Stock Code: 6223

MPI CORPORATION and Subsidiaries

Consolidated Financial Statements

Years Ended December 31, 2021 and 2020

And Independent Accountants' Audit Report

MPI CORPORATION and Subsidiaries

Page

DECLARATION OF CONSOLIDATION OF FINANCIAL STATEMENTS OF AFFILIATES

The companies required to be included in the consolidated financial statements of affiliates in accordance with the “Criteria Governing Preparation of Affiliation Reports, Consolidated Business Reports and Consolidated Financial Statements of Affiliated Enterprises” for the year ended December 31, 2021 are all the same as the companies required to be included in the consolidated financial statements of parent and subsidiary companies as provided in International Financial Reporting Standard 10. Relevant information that should be disclosed in the consolidated financial statements of affiliates has all been disclosed in the consolidated financial statements of parent and subsidiary companies. Hence, we have not prepared a separate set of consolidated financial statements of affiliates.

Very truly yours,
MPI CORPORATION
By

____
Chairman
March 24, 2022

Independent Auditor's Audit Report

The Board of Directors and Shareholders

MPI Corporation

Opinion

We have audited the accompanying consolidated financial statements of **MPI CORPORATION** (the "Company") and its subsidiaries (collectively referred to as the "Group"), which comprise the consolidated balance sheets as of December 31, 2021 and 2020, and the consolidated statements of comprehensive income, changes in equity and cash flows for the years then ended, and the notes to the consolidated financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the consolidated financial position of the Group as of December 31, 2021 and 2020, and its consolidated financial performance and its consolidated cash flows for the years then ended in accordance with the Regulations Governing the Preparation of Financial Reports by Securities Issuers, and International Financial Reporting Standards (IFRS), International Accounting Standards (IAS), IFRIC Interpretations (IFRIC), and SIC Interpretations (SIC) endorsed and issued into effect by the Financial Supervisory Commission of the Republic of China.

Basis for Opinion

We conducted our audits in accordance with the Regulations Governing Auditing and Attestation of Financial Statements by Certified Public Accountants and auditing standards generally accepted in the Republic of China. Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Consolidated Financial Statements section of our report. We are independent of the Group in accordance with The Norm of Professional Ethics for Certified Public Accountant of the Republic of China, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

2F., No.33, Fuxing N. Rd., Songshan Dist., Taipei City 10552, Taiwan
Tel: (886) 2 2751-0306 Fax:(886) 2 2740-1817
(10552)台北市復興北路三十三號二樓

Key Audit Matters

Key audit matters are those matters that, in our professional judgment, were of most significance in our audit of the consolidated financial statements for the year ended December 31, 2021. These matters were addressed in the context of our audit of the consolidated financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters.

Key audit matters on the consolidated financial statements for the year ended December 31, 2021 were as follows:

I. Revenue Recognition

Matter Description

Regarding the accounting policy of revenue recognition, please refer to (27) of Note 4 of the Consolidated Financial Statements. Regarding relevant disclosure, please refer to (17) of Note 6.

Sales revenue is the major index for investors and the management to evaluate the finance or performance of MPI Group. As the point in time for revenue recognition and the amount of recognized revenue can make a big difference on the financial statements, the CPA(s) has also reviewed the accuracy of these two key factors during the audit.

Audit Procedures in Response

The CPA(s) has implemented audit procedures in response as summarized below:

(1) Understood and tested the design and implementation efficiency of sales and receiving circulation control system.

(2) Understood the major revenue type and trading terms of MPI Group to assess if the accounting policy of point in time for revenue recognition is appropriate.

(3) Understood the product type and sales of the top 10 customers; sampled and reviewed the orders; assessed the influence of trading terms to revenue recognition; and confirmed if MPI Group has handled accounting relevant activities appropriately.

(4) Evaluated if the number of days for turning over the sales revenue and payables; and analyzed changes to customers of this and last year at the same time point to see if there is any abnormality.

(5) Implemented the detail test, where transactions of sales revenue before and after the financial statements within a specified period have been sampled to carry out the cut-off test and verify relevant certificates. Changes to the inventory in account books and transferred sales costs have

2F., No.33, Fuxing N. Rd., Songshan Dist., Taipei City 10552, Taiwan
Tel: (886) 2 2751-0306 Fax:(886) 2 2740-1817
(10552)台北市復興北路三十三號二樓

been recorded during an appropriate period of period to evaluate the correctness of the period of recognizing the revenue, ensure if there is any abnormal revenue journal voucher, and understand if there is any grave refund or return after the period.

2. Inventory Valuation

Matter Description

Regarding the accounting policy of inventory valuation, please refer to (17) of Note 4 of Consolidated Financial Statements. Regarding significant accounting judgments, estimations, and assumptions of inventory valuation, please refer to Note 5 of Individual Financial Statements. Regarding descriptions of inventory accounting items, please refer to (5) of Note 6 of Individual Financial Statements. The Group recognize inventories amounting to NT$2,966,555 thousand and Allowance for inventories amounting to NT$391,959 thousand. The book value of the Group's inventories as December 31, 2021 was NT$2,574,596 thousand and accounted 26% of the total assets in the consolidated balance sheet.

MPI Group mainly engages in the manufacturing and sales of semiconductor production and testing equipment. Due to rapid technological changes, short life cycle and intense market competition of electronic products, there is a high tendency for inventory valuation loss and losses caused by outdated inventory. The inventory is evaluated by either the cost or net realizable value, depending on which one has the lower value. Inventories that exceed specific inventory age or are evaluated as outdated during individual assessment shall have the inventory loss evaluation conducted also based on the inventory age and future product demand during specific period of time. The information comes from the management's judgment on each product's net realizable value based on the inventory sales, age and quality conditions. As the amount of MPI Corporation's inventory is great; a number of items are included on the inventory list; and the valuation of inventories that have exceeded specific age or are outdated relies heavily on the management's subjective judgement and involves a high degree of uncertainty, the Account(s) believes that the inventory valuation and obsolescence loss is one of the key audit matters of the year.

Audit Procedures in Response

The CPA(s) has implemented the audit procedures in response as summarized below:

(1) With the CPA's knowledge of the industry and MPI Group's operations, evaluated the soundness of the Corporation's policies concerning the allowance for inventory valuation loss and doubtful debts.

2F., No.33, Fuxing N. Rd., Songshan Dist., Taipei City 10552, Taiwan
Tel: (886) 2 2751-0306 Fax:(886) 2 2740-1817
(10552)台北市復興北路三十三號二樓

(2) Understood MPI Group's inventory management procedures, reviewed it's annul inventory plan, and participated in its annual inventory check to evaluate the management's judgement and control efficiency of outdated inventories.

(3) Acquired the list of product inventory age, verified the appropriateness of reporting system logic, and confirmed the consistency of report information and adopted policies.

(4) Evaluated the appropriateness of the methods of calculating inventory valuation impairment, including deciding the inventory classification based on the net realizable value, checking individual material number to verify the basic assumption of the calculation in relevant supporting document, and verify the accuracy of calculation.

Other Matter-Making Reference to the Audits of Component Auditors

Information on the subsidiaries of MPI Corporation included the aforementioned statements covering the period of 2021 and 2020. And the information on direct investment as disclosed in note 13 is valuated as audited by other public accountants. Said subsidiaries' total assets of are NT$653,494 thousand and NT$226,714 thousand or accounted for 6.63% and 2.53% of the consolidated total assets as of December 31, 2021 and 2020, respectively. As of January 1 to December 31, 2021 and 2020, had net operating revenue amounted to NT$917,927 thousand and NT$648,372 thousand, or accounted for 14.10% and 10.94% of the consolidated net operating revenue, respectively.

Other Matter

We have also audited the parent Group only financial statements of MPI CORPORATION as of and for the years ended December 31, 2021 and 2020 on which we have issued an unqualified opinion.

Responsibilities of Management and Those Charged with Governance for the Consolidated Financial Statements

Management is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with the Regulations Governing the Preparation of Financial Reports by Securities Issuers, and International Financial Reporting Standards (IFRS), International Accounting Standards (IAS), IFRIC Interpretations (IFRIC), and SIC Interpretations (SIC) endorsed and issued into effect by the Financial Supervisory Commission of the Republic of China, and for such internal control as management determines is necessary

2F., No.33, Fuxing N. Rd., Songshan Dist., Taipei City 10552, Taiwan
Tel: (886) 2 2751-0306 Fax:(886) 2 2740-1817
(10552)台北市復興北路三十三號二樓

to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated financial statements, management is responsible for assessing the Group's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Group or to cease operations, or has no realistic alternative but to do so.

Those charged with governance, including audit committee, are responsible for overseeing the Group's financial reporting process.

Auditors' Responsibilities for the Audit of the Consolidated Financial Statements

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with the auditing standards generally accepted in the Republic of China will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated financial statements.

As part of an audit in accordance with the auditing standards generally accepted in the Republic of China, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

1. Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

2. Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Group's internal control.

2F., No.33, Fuxing N. Rd., Songshan Dist., Taipei City 10552, Taiwan
Tel: (886) 2 2751-0306 Fax:(886) 2 2740-1817
(10552)台北市復興北路三十三號二樓

3. Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.

4. Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Group's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditors' report to the related disclosures in the consolidated financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditors' report. However, future events or conditions may cause the Group to cease to continue as a going concern.

5. Evaluate the overall presentation, structure and content of the consolidated financial statements, including the disclosures, and whether the consolidated financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

6. Obtain sufficient and appropriate audit evidence regarding the financial information of entities or business activities within the Group to express an opinion on the consolidated financial statements. We are responsible for the direction, supervision, and performance of the group audit. We remain solely responsible for our audit opinion.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

From the matters communicated with those charged with governance, we determine those matters that were of most significance in the audit of the consolidated financial statements for the year ended December 31, 2021 and are therefore the key audit matters. We describe these matters in our auditors' report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

2F., No.33, Fuxing N. Rd., Songshan Dist., Taipei City 10552, Taiwan
Tel: (886) 2 2751-0306 Fax:(886) 2 2740-1817
(10552)台北市復興北路三十三號二樓

Sun Rise CPAs & Company

NEXIA Sun Rise CPAs & Company
Taipei, Taiwan, Republic of China

March 24, 2022

The accompanying consolidated financial statements are intended only to present the consolidated financial position, financial performance and cash flows in accordance with accounting principles and practices generally accepted in the Republic of China and not those of any other jurisdictions. The standards, procedures and practices to audit such consolidated financial statements are those generally applied in the Republic of China.

For the convenience of readers, the independent auditors' report and the accompanying consolidated financial statements have been translated into English from the original Chinese version prepared and used in the Republic of China. If there is any conflict between the English version and the original Chinese version or any difference in the interpretation of the two versions, the Chinese-language independent auditors' report and consolidated financial statements shall prevail.

2F., No.33, Fuxing N. Rd., Songshan Dist., Taipei City 10552, Taiwan
Tel: (886) 2 2751-0306 Fax:(886) 2 2740-1817
(10552)台北市復興北路三十三號二樓

MPI CORPORATION AND SUBSIDIARIES

CONSOLIDATED BALANCE SHEETS (ASSETS)

DECEMBER 31, 2021 AND 2020

(All amounts are expressed in thousand of New Taiwan Dollars unless otherwise stated)

ASSETS	Note	December 31, 2021 Amounts	%	December 31, 2020 Amounts	%
CURRENT ASSETS					
Cash and cash equivalents	6(1)	$ 1,324,292	14	$ 1,445,267	16
Financial assests at fair value through profit or loss-current	6(13)	68	-	1,289	-
Notes receivable, net	6(3)	170,531	2	80,316	1
Accounts receivable, net	6(4)	1,213,429	12	1,075,050	12
Other receivables		12,480	-	16,901	-
Income tax receivable		27	-	40	-
Inventories, net	6(5)	2,574,596	26	2,468,575	28
Prepayments		119,654	1	131,312	1
Other current assets	8	14,977	-	21,946	-
Total Current Assets		5,430,054	55	5,240,696	58
NONCURRENT ASSETS					
Financial assets at fair value through other comprehensive income-non-current	6(2)	166,460	2	-	-
Property, plant and equipment	6(6).8	3,532,459	36	3,203,429	36
Right-of-use assets	6(7)	160,287	2	111,428	1
Intangible assets	6(8)	253,555	2	42,546	1
Deferred income tax assets	6(19)	125,092	1	118,180	1
Other noncurrent assets	6(9).8	189,562	2	260,313	3
Total Noncurrent Assets		4,427,415	45	3,735,896	42
TOTAL ASSETS		$ 9,857,469	100	$ 8,976,592	100

(The accompanying notes are an integral part of these consolidated financial statements)

MPI CORPORATION AND SUBSIDIARIES

CONSOLIDATED BALANCE SHEETS (LIABILITIES AND EQUITY)

DECEMBER 31, 2021 AND 2020

(All amounts are expressed in thousand of New Taiwan Dollars unless otherwise stated)

		December 30, 2021		December 31, 2020	
LIABILITIES AND EQUITY	Note	Amounts	%	Amounts	%
CURRENT LIABILITIES					
Short-term loans	6(10)	$ 100,000	1	$ -	-
Contract liabilities－current	6(17)	677,836	7	677,524	8
Notes payable		5,765	-	16,523	-
Accounts payable		556,434	5	524,672	6
Payables on equipment		61,003	1	133,660	1
Other payables	6(11)	896,463	9	795,751	9
Income tax payable		130,842	1	112,332	1
Provisions－current	6(12)	11,955	-	10,493	-
Lease liabilities－current	6(7)	59,883	1	54,879	1
Current portion of bonds payable	6(13)	9,536	-	135,576	2
Current portion of long-term loans	6(14)	10,605	-	-	-
Other current liabilities		17,746	-	16,138	-
Total Current Liabilities		2,538,068	25	2,477,548	28
NONCURRENT LIABILITIES					
Long-term loans	6(14)	1,134,893	12	763,797	8
Provisions－non-current	6(12)	2,684	-	-	-
Deferred income tax liabilities	6(19)	10,921	-	12,194	-
Lease liabilities－non-current	6(7)	101,708	1	58,018	1
Accrued pension cost	6(15)	20,037	-	16,021	-
Other noncurrent liabilities		1,356	-	96	-
Total Noncurrent Liabilities		1,271,599	13	850,126	9
TOTAL LIABILITIES		3,809,667	38	3,327,674	37
EQUITY	6(16)				
EQUITY ATTRIBUTABLE TO SHAREHOLDERS OF THE PARENT					
Capital common stock		940,738	10	920,802	10
Capital surplus		1,736,500	18	1,630,283	18
Retained earnings					
Appropriated as legal capital reserve		710,848	7	639,975	7
Appropriated as special capital reserve		79,234	1	68,477	1
Unappropriated earnings		2,651,200	27	2,459,642	28
Total Retained Earnings		3,441,282	35	3,168,094	36
Others					
Foreign currency translation adjustments		(78,665)	(1)	(79,234)	(1)
Unrealized gain (losses) on financial assets at fair value through other comprehensive income	6(2)	(1,540)	-	-	-
Total others		(80,205)	(1)	(79,234)	(1)
Equity attributable to shareholders of the parent		6,038,315	62	5,639,945	63
NONCONTROLLING INTERESTS		9,487	-	8,973	-
TOTAL EQUITY		6,047,802	62	5,648,918	63
TOTAL LIABILITIES AND EQUITY		$ 9,857,469	100	$ 8,976,592	100

(The accompanying notes are an integral part of these consolidated financial statements)

MPI CORPORATION AND SUBSIDIARIES

CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

From January 1 to December 31, 2021 and 2020

(All amounts are expressed in thousand of New Taiwan Dollars unless otherwise stated)

Items	Note	January 1 ~ December 31, 2021			January 1 ~ December 31, 2020		
			Amounts	%		Amounts	%
OPERATING REVENUE, NET	6(17)						
Sales revenue		$	6,155,664	94	$	5,710,038	96
Less: sales returns			(10,271)	-		(2,375)	-
sales discounts and allowances			(17,351)	-		(3,803)	-
Commission revenue			4,002	-		2,712	-
Processing Fees revenue			376,681	6		219,029	4
Operating Revenue, net			6,508,725	100		5,925,601	100
OPERATING COSTS	6(5)		(3,765,309)	(58)		(3,340,036)	(56)
GROSS PROFIT, NET			2,743,416	42		2,585,565	44
OPERATING EXPENSES							
Selling expenses			(728,840)	(11)		(631,687)	(11)
General & administrative expenses			(463,275)	(7)		(412,360)	(7)
Research and development expenses	6(8)		(744,766)	(12)		(682,471)	(11)
Expected Credit (losses)gains	6(4)		1,083	-		982	-
Operating expenses, net			(1,935,798)	(30)		(1,725,536)	(29)
OPERATING INCOME			807,618	12		860,029	15
NON-OPERATING INCOME AND EXPENSES							
Other gains and losses, net	6(18)		(25,103)	-		(44,224)	(1)
Finance costs	6(18)		(6,799)	-		(16,309)	(1)
Interest income	6(18)		5,558	-		4,860	-
Rent income	6(7)		10,924	-		9,456	-
Other non-operating revenue-other items			36,544	1		30,903	1
Total Non-operating Income and Expenses			21,124	1		(15,314)	(1)
INCOME BEFORE INCOME TAX			828,742	13		844,715	14
INCOME TAX EXPENSE	6(19)		(133,284)	(2)		(130,494)	(2)
NET INCOME			695,458	11		714,221	12
OTHER COMPREHENSIVE INCOME (LOSS)							
Items that are not to be reclassified to profit or loss							
Re-measurements from defined benefit plans			(4,947)	-		(5,760)	-
Unrealized gain (losses) on financial assets at fair value through other comprehensive income	6(2)		(1,540)	-		-	-
Items that may be reclassified subsequently to profit or loss							
Exchange differences arising on translation of foreign operations			(524)	-		(10,664)	-
Other comprehensive income for the period, net of income tax			(7,011)	-		(16,424)	-
TOTAL COMPREHENSIVE INCOME FOR THE PERIOD		$	688,447	11	$	697,797	12
NET INCOME(LOSS) ATTRIBUTABLE TO：							
Shareholders of the parent		$	693,851	11	$	714,482	12
Non-controlling interests			1,607	-		(261)	-
		$	695,458	11	$	714,221	12
TOTAL COMPREHENSIVE INCOME(LOSS)							
Shareholders of the parent		$	687,933	11	$	697,965	12
Non-controlling interests			514	-		(169)	-
		$	688,447	11	$	697,796	12
			After-tax			After-tax	
EARNINGS PER COMMON SHARE(NTD)	6(20)						
Basic earnings per share		$	7.44		$	8.41	
Diluted earnings per share		$	7.38		$	8.14	

(The accompanying notes are an integral part of these consolidated financial statements)

MPI CORPORATION AND SUBSIDIARIES

CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY

From January 1 to December 31, 2021 and 2020

(All amounts are expressed in thousand of New Taiwan Dollars unless otherwise stated)

	Capital		Retained Earnings			Others				
Item	Common Stock	Capital Surplus	Legal Capital Reserve	Special Capital Reserve	Unappropriated Earnings	Foreign Currency Translation Reserve	Unrealized gain (losses) on financial assets at fair value through other comprehensive income	Total	Non-controlling Interests	Total Equity
BALANCE,JANUARY,1,2020	$ 799,587	$ 980,325	$ 596,549	$ 54,229	$ 2,008,491	$ (68,477)	$ -	$ 4,370,704	$ 9,141	$ 4,379,845
Legal capital reserve			43,426		(43,426)			-		-
Special capital reserve				14,248	(14,248)			-		-
Cash Dividends of Common Stock					(199,897)			(199,897)		(199,897)
Capital Reserve From Stock Warrants		707,291						707,291		707,291
Other changes in capital surplus		(57,333)						(57,333)		(57,333)
Net Income in 2020					714,482			714,482	(261)	714,221
Other comprehensive income in2020, net of income tax					(5,760)	(10,757)	-	(16,517)	93	(16,424)
Total comprehensive income in 2020	-	-	-	-	708,722	(10,757)	-	697,965	(168)	697,797
Convertible Bonds Transferred To Common Stock	121,215	-						121,215		121,215
BALANCE,DECEMBER,31,2020	$ 920,802	$ 1,630,283	$ 639,975	$ 68,477	$ 2,459,642	$ (79,234)	$ -	$ 5,639,945	$ 8,973	$ 5,648,918
BALANCE,JANUARY,1,2021	$ 920,802	$ 1,630,283	$ 639,975	$ 68,477	$ 2,459,642	$ (79,234)	$ -	$ 5,639,945	$ 8,973	$ 5,648,918
Legal capital reserve			70,873		(70,873)			-		-
Special capital reserve				10,757	(10,757)			-		-
Cash Dividends of Common Stock					(415,716)			(415,716)		(415,716)
Capital reserve from stock warrants		115,466						115,466		115,466
Other changes in capital surplus		(9,249)						(9,249)		(9,249)
Net Income in 2021					693,851			693,851	1,607	695,458
Other comprehensive income in 2021, net of income tax					(4,947)	569	(1,540)	(5,918)	(1,093)	(7,011)
Total comprehensive income in 2021	-	-	-	-	688,904	569	(1,540)	687,933	514	688,447
Convertible Bonds Transferred To Common Stock	19,936	-						19,936		19,936
BALANCE,DECEMBER,31,2021	$ 940,738	$ 1,736,500	$ 710,848	$ 79,234	$ 2,651,200	$ (78,665)	$ (1,540)	$ 6,038,315	$ 9,487	$ 6,047,802

(The accompanying notes are an integral part of these consolidated financial statements)

MPI CORPORATION AND SUBSIDIARIES

CONSOLIDATED STATEMENTS OF CASH FLOWS

From January 1 to December 31, 2021 and 2020

(All amounts are expressed in thousand of New Taiwan Dollars unless otherwise stated)

Items	Jan 1 ~ Dec 31, 2021	Jan 1 ~ Dec 31, 2020
CASH FLOWS FROM OPERATING ACTIVITIES		
Income before income tax	$ 828,742	$ 844,715
Adjustments to reconcile net income to net cash		
Depreciation	436,889	484,958
Amortization	59,761	63,731
Expected Credit loss (gain)	(1,083)	(982)
(Gain) loss on Financial Assets (Liabilities) at Fair Value through Profit or Loss	241	(7,855)
Interest expense	6,799	16,309
Interest revenue	(5,558)	(4,860)
(Gain) loss on disposal of property, plant and equipment	13,323	10
(Gain) loss on lease modification	(410)	(173)
Rent concessions	(479)	(488)
Net changes in operating assets and liabilities		
Net changes in operating assets		
Decrease (Increase) in notes receivable	(90,215)	15,758
Decrease (Increase) in accounts receivable	(111,723)	160,273
Decrease (Increase) in other receivables	4,428	(14,435)
Decrease (Increase) in inventories	(90,311)	(214,059)
Decrease (Increase) in prepayments	13,321	(27,801)
Decrease (Increase) in other current assets	(657)	1,546
Net changes in operating liabilities		
(Decrease) Increase in contract liabilities	(1,481)	(133,707)
(Decrease) Increase in notes payable	(10,758)	3,734
(Decrease) Increase in accounts payable	29,119	144,694
(Decrease) Increase in other accounts payable	92,465	86,931
(Decrease) Increase in provision for liabilities	4,146	3,921
(Decrease) Increase in other current liabilities	1,608	(3,881)
(Decrease) Increase in net defined benefit liability	(930)	(22,508)
Cash generated from operations	1,177,237	1,395,831
Interest received	5,551	4,860
Interest paid	(2,786)	(2,085)
Cash dividend paid	(415,716)	(199,897)
Income taxes paid	(122,946)	(63,880)
Net cash Provided By (Used In) Operating Activities	641,340	1,134,829

(Continue)

MPI CORPORATION AND SUBSIDIARIES

CONSOLIDATED STATEMENTS OF CASH FLOWS

From January 1 to December 31, 2021 and 2020

(All amounts are expressed in thousand of New Taiwan Dollars unless otherwise stated)

Items	Jan 1 ~ Dec 31, 2021	Jan 1 ~ Dec 31, 2020
CASH FLOWS FROM INVESTING ACTIVITIES		
Acquisitions of financial assets at fair value through other comprehensive income	(168,000)	-
Net cash outflow arising from acquisition of subsidiaries	(272,560)	-
Acquisition of property, plant and equipment	(762,140)	(590,453)
Proceeds from disposal of property, plant and equipment	8,475	1,113
Acquisition of intangible assets	(18,985)	(48,376)
Increase in other financial assets	(3,865)	(1,534)
Increase in other non-current assets	-	(160,550)
Decrease in other non-current assets	64,917	-
Net cash Provided By (Used In) Investing Activities	(1,152,158)	(799,800)
CASH FLOWS FROM FINANCING ACTIVITIES		
Increase in short-term loans	100,000	-
Decrease in short-term loans	-	(500,000)
Issuance of long-term loans	370,339	621,589
Increase in Guarantee Deposits Received	1,260	-
Decrease in Guarantee Deposits Received	-	(1)
Cash payments for the principal portion of the lease liability	(81,092)	(109,404)
Increase (decrease) in non-controlling interests	(1,093)	93
Net cash Provided By (Used In) Financing Activities	389,414	12,277
Effects of exchange rate change on cash	429	(5,350)
Net increase (decrease) in cash and cash equivalents	(120,975)	341,956
Cash and cash equivalents at beginning of the period	1,445,267	1,103,311
Cash and cash equivalents at end of the period	$ 1,324,292	$ 1,445,267

(The accompanying notes are an integral part of these consolidated financial statements)

MPI CORPORATION and its Subsidiaries

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

YEARS ENDED DECEMBER 31, 2021 AND 2020

(Expressed in NT$1,000, Unless Otherwise Noted)

1. Company profile

(1) MPI Corporation (hereinafter referred to as the "Company") was founded according to the Company Law and other related laws on July 25, 1995. Upon capital increase for several times, the Company's paid-in capital has been NT$940,738 thousand and outstanding stock has been 94,073,772 shares until December 31, 2021. Upon resolution of the general shareholders' meeting on June 12, 2018, the Company raised the authorized capital as NT$1,200,000,000, divided into 120,000,000 shares at par value of NT$10 per share. The board of directors is authorized to issue the stock in lots. NT$50,000 thousand is withheld from the gross capital referred to in the preceding paragraph, divided into 5,000,000 shares at par value of NT$10 per share, available for the subscription by exercise of stock warrants and issued upon resolution of a directors' meeting.

(2) The Company and its subsidiaries (hereinafter referred to as the "Group" collectively) primarily engage in manufacturing, processing, maintenance, import/export and trading of semi-conductor production process and testing equipments.

(3) The Company was approved to initiate the IPO in July 2001, and started to trade on Taiwan Stock Exchange as of January 6, 2003.

2. Date and procedure for ratification of financial report

The consolidated financial statements have been approved and released by the Board of Directors on March 24, 2022.

3. Application of new standards, amendments and interpretations

(1) Effect of the adoption of new issuances of or amendments to International Financial Reporting Standards ("IFRSs") as endorsed by Financial Supervisory Commission (“FSC”)

New standards, interpretations and amendments endorsed by FSC effective from 2021 are as follows:

New Standards, Interpretations and Amendments	Effective date by International Accounting Standards Board
Amendments to IFRS 4, ‘Extension of the temporary exemption from applying IFRS 9’	January 1, 2021

Amendments to IFRS 9, IAS 39, IFRS 7, IFRS 4 and IFRS 16, 'Interest Rate Benchmark Reform—Phase 2'	January 1, 2021
Amendment to IFRS 16, 'Covid-19-related rent concessions beyond 30 June 2021'	April 1, 2021(Note)

Note：Earlier application from January 1, 2021 is allowed by FSC.

The above standards and interpretations have no significant impact to the Group's financial condition and financial performance based on the Group's assessment.

(2) Effect of new issuances of or amendments to IFRSs as endorsed by the FSC but not yet adopted by the Group

New standards, interpretations and amendments endorsed by the FSC effective from 2022 are as follows:

New Standards, Interpretations and Amendments	Effective date by International Accounting Standards Board
Amendments to IFRS 3, 'Reference to the conceptual framework'	January 1, 2022
Amendments to IAS 16, 'Property, plant and equipment: proceeds before intended use'	January 1, 2022
Amendments to IAS 37, 'Onerous contracts—cost of fulfilling a contract'	January 1, 2022
Annual improvements to IFRS Standards 2018—2020	January 1, 2022

The above standards and interpretations have no significant impact to the Group's financial condition and financial performance based on the Group's assessment.

(3) IFRSs issued by IASB but not yet endorsed by the FSC

New standards, interpretations and amendments issued by IASB but not yet included IFRSs as endorsed by the FSC:

New Standards, Interpretations and Amendments	Effective date by International Accounting Standards Board
Amendments to IFRS 10 and IAS 28, 'Sale or contribution of assets between an investor and its associate or joint venture'	To be determined by International Accounting Standards Board
IFRS 17, 'Insurance contracts'	January 1, 2023
Amendments to IFRS 17, 'Insurance contracts'	January 1, 2023
Amendments to IFRS 17, 'Initial application of IFRS 17 and IFRS 9 –comparative information'	January 1, 2023

Amendments to IAS 1, 'Classification of liabilities as current or non-current'	January 1, 2023
Amendments to IAS 1,'Disclosure of accounting policies'	January 1, 2023
Amendments to IAS 8,'Definition of accounting estimates'	January 1, 2023
Amendment to IAS 12, 'Deferred Tax related to Assets and Liabilities arising from a Single Transaction'	January 1, 2023

The above standards and interpretations have no significant impact to the Group's financial condition and financial performance based on the Group's assessment.

4. Summary of Significant Accounting Policies

The important accounting policies applied by the financial statements are summarized as follows: Unless otherwise provided, the following accounting policies have been applied during the presentation period of the consolidated financial statements.

(1) Statement of compliance

The consolidated financial statements were prepared in accordance with the "Regulations Governing the Preparation of Financial Reports by Securities Issuers" (hereinafter referred to as the "Regulations") and IFRSs recognized by FSC to disclose all of the necessary to be disclosed in the annual consolidated financial statements.

(2) Basis for preparation

A. Basis for measurement

Except the following important items in the balance sheet, the consolidated financial statement was prepared based on the historical cost:

(1) Financial assets and financial liabilities (including derivative instruments) at fair value through profit or loss.

(2) Financial assets at fair value through other comprehensive income.

(3) Defined benefit liability stated based on the net after pension fund assets less the present value of defined benefit obligations.

B. Functional currency and presentation of currency

The functional currency of each of the Group's entities shall be subject to the currency applicable in the main economic environment in which its business place is situated. The consolidated financial statements should be presented based on the Company's functional currency, NTD. Unless otherwise noted, all of the financial information presented in NTD should be held presented in NTD 1,000 as the currency unit.

(3) Basis for consolidation

A. Principles for preparation of consolidated financial statements

(a) The Group included all of the subsidiaries into the consolidated financial statements. Subsidiaries mean the entities controlled by the Group (including structured entities). When the Group is exposed to the changes of remuneration participated by the entities or is entitled to changes of remuneration, and is able to influence the remuneration by virtue of its power over the entities, the Group is held controlling the entities. The subsidiaries are included into the consolidated financial statements on the date when the Group acquires the controlling power, and the consolidation shall be suspended as of the date when the Group forfeits the controlling power.

(b) Unrealized gains on transactions between the Group companies are eliminated to the extent of the Group’s interest in the associates. Accounting policies of the subsidiaries have been adjusted where necessary to ensure consistency with the policies adopted by the Group.

(c) Elements of the income and other comprehensive income shall be vested in parent company shareholders and non-controlling equity. The total comprehensive income shall be vested in parent company shareholders and non-controlling equity, even if the non-controlling equity suffers loss.

(d) Where the changes in shareholdings of subsidiaries don't result in forfeiture of controlling power (transactions with non-controlling equity), they shall be processed as equity transactions, which are identified as the transactions with parent company shareholders. The price difference between the adjustment value of non-controlling equity and fair value of paid or collected consideration shall be stated into equity directly.

(e) When the Group forfeits control over its subsidiaries, its residual investment in the subsidiaries shall be re-measured based on fair value, and identified as the fair value of financial asset recognized initially or cost of the investment in affiliates or joint ventures recognized initially. The price difference between the fair value and book value is stated into current income. Where the accounting treatment for the values related to the subsidiaries as stated into other comprehensive income previously is identical with the basis for the Group's direct disposition of related assets or liabilities, namely, if the gain or loss stated into other comprehensive income previously would be reclassified into income when the related assets or liabilities are disposed of, the gain or loss shall be reclassified into income from equity, when the Group forfeits control over the subsidiaries.

B. Subsidiaries included into the consolidated financial statements and status of change thereof:

Name of investor	Name of subsidiary	Main business activities	Ownership (%)		Description
			2021.12.31	2020 12.31	
MPI	Chain-Logic International Corp.	professional equipment agent and provides technologic service for the manufacturing of high-tech industry such as LED, LCD, Semiconductor, and etc.	100%	100%	Established on March 1 ,1994

MPI	MPI TRADING CORP.(Samoa)	Selling Probe Card and Test Equipment	100%	100%	Established on December 22, 2000.
MPI	MMI HOLDING CO., LTD.(Samoa)	Investment activities	100%	100%	Established on August 7, 2002.
MPI	MEGTAS CO., LTD	Test, maintenance, manufacturing and import/export trading of parts of semiconductors	80%	80%	Established on September 1, 2010.
MPI	ALLSTRON CORP.	Manufacturing of high frequency wafer foundry measuring probing	100%	100%	Established on March 31, 2006. The Company started on January 1, 2014 as the acquisition date, acquiring 100% of the shares.
MPI	MPA TRADING CORP.	Investment activities	100%	100%	Established on April 12, 2017.
Chain-Logic International Corp.	CHAIN-LOGIC TRADING CORP. (Mauritius)	International trading business	100%	100%	Established on November 19, 2001. (Note 1)
MMI HOLDING CO., LTD.	Lumitek (ChangZhou) Co.,Ltd.	Selling and manufacturing of high-tech industry such as LED.	100%	100%	Established on January 10, 2014.
MMI HOLDING CO., LTD.	MPI (Suzhou) CORPORATION	Selling and manufacturing of high-tech industry such as LED.	100%	100%	Established on July 11, 2017.
MPA TRADING CORP.	MPI AMERICA INC.	Selling Probe Card and Test Equipment	100%	100%	Established on March 29, 2017.
MPI AMERICA INC.	Celadon Systems, Inc.	Selling and manufacturing of Probe Card , Test Equipment and High-performance cables	100%	－	Established on May 17, 1996. The Company started on September 9, 2021 as the acquisition date, acquiring 100% of the shares. (Note2)

(Note1) The subsidiary of the Group – CHAIN LOGIC (SHANGHAI) INTERNATIONAL CORP. was liquidated and written down in November, 2019. Rest of the investment amount US$300,000 (equivalent to NT$8,963 thousand) has remitted to Chain-Logic International Corp. by the reduction of capital CHAIN-LOGIC TRADING CORP. in January, 2020 and was use to deduct the accumulated amount of investment in China. The Investment been approved by Commission on MOEA put on record on February 27, 2020.

(Note2) For the business development strategy, the Group has acquired 100% of the share capital of Celadon Systems Inc. for US$10,200,000(equivalent to NT$283,471 thousand) and obtained the control over Celadon.

The financial statements 2021 and 2020 of said subsidiary, MEGTAS CO., LTD., were audited by other external auditors commissioned by it, instead of the Company's external auditors. The investment (losses) recognized according to the financial statements audited by other external auditors and based on the shareholdings were NT$6,432 thousand and NT$(1,045) thousand.

The financial statements 2021 and 2020 of said subsidiary, MPI AMERICA INC. (include Subsidiary of MPI AMERICA INC. - Celadon Systems Inc.) were audited by other external auditors commissioned by it, instead of the Company's external auditors. The investment (losses) recognized according to the financial statements audited by other external auditors and based on the shareholdings were NT$(72,919) thousand and NT$(50,377) thousand.

C. Subsidiaries not included into the consolidated financial statements: N/A.

D. Different adjustment and treatment by subsidiaries in the accounting period: N/A.

E. Nature and scope of the important restrictions on enterprise's acquisition or use of the group's assets and solvency: N/A.

F. Subsidiaries over which the Group holds important non-controlling equity: N/A.

(4) Foreign currency

A. Foreign currency transactions

The foreign currency exchange shall be stated at the functional currency translated at the exchange rate prevailing on the date of transaction. The monetary items denominated in the foreign currency on the reporting date shall be stated at the functional currency translated at the exchange rate on the same day. The exchange gain or loss refers to the difference between the amounts upon adjustment of the valid interest, payment on the same period based on the amortized cost denominated in the functional currency, the amount translated from the amortized cost denominated in foreign currency at the exchange rate on the reporting date. The non-monetary items at fair value denominated in foreign currency shall be stated at the functional currency re-translated at the exchange rate prevailing on the same date of fair value measurement, while the non-monetary items at historical cost denominated in foreign currency shall be stated at the functional currency translated at the exchange rate on the date of transaction. Other than the foreign currency exchange difference generated from the translation of the application of IFRS 9 foreign currency items which in the process of applying the financial instrument accounting policies, financial liabilities designated as net investment hedge for foreign operations or qualified cash flow hedging, which shall be stated as other comprehensive income, any difference shall be stated as income.

B. Foreign operations

Assets and liabilities of foreign operations, including the goodwill and fair value adjustment generated at the time of acquisition, shall be translated into functional currency at the exchange rate prevailing on the reporting date. Unless in the case of inflation, the income and expense & loss items shall be translated into functional currency at the average exchange rate in the current period, and the exchange different generated therefore shall be stated as other comprehensive income.

When disposition of foreign operations results in loss of control, common control or any material effect, the accumulated exchange difference related to the foreign operations shall be reclassified into income in whole. If the disposition involves any subsidiary of the foreign operations, the relevant accumulated exchange difference shall be reclassified into the non-controlling interests on a pro rata basis. If the disposition involves any affiliate or joint venture of the foreign operations, the relevant accumulated exchange difference shall be reclassified into income on a pro rata basis.

If no repayment program is defined with respect to receivable or payable items of foreign operations denominated in currency and it is impossible to repay the same in the foreseeable future, the foreign currency exchange gain or loss generated therefore shall be held a part of the net investment in the foreign operations and stated as other comprehensive income.

Goodwill and fair value adjustments arising on the acquisition of a foreign entity are treated as assets and liabilities of the foreign entity and translated at the closing exchange rates at the balance sheet date.

(5) <u>Current and non-current assets and liabilities</u>

Assets which meet one of the following conditions shall be classified into current assets, and any assets other than the current assets shall be classified into noncurrent assets:

A. Assets expected to be realized, or intent to be sold or consumed, in the Company's normal operating cycle.
B. Assets primarily held for the purpose of trading.
C. Assets expected to be realized within 12 months after the date of the balance sheet.
D. Cash or cash equivalent, exclusive of the assets to be used for an exchange or to settle a liability, or otherwise remain restricted at more than 12 months after the date of the balance sheet.

Liabilities which meet one of the following conditions shall be classified into current liabilities, and any liabilities other than the current liabilities shall be classified into noncurrent liabilities:

A. Liabilities expected to be repaid in the Company's normal operating cycle.
B. Assets primarily held for the purpose of trading.
C. Assets expected to be discharged within 12 months after the date of the balance sheet.
D. Liabilities of which the Company does not have an unconditional right to defer settlement for at least 12 months after the date of the balance sheet. Terms of a liability that could, at the option of the counterpart, result in its settlement by the issue of equity instruments do not affect its classification.

(6) Cash and cash equivalent

Cash or cash equivalent include cash on hand, demand deposits, and short-term, highly liquid time deposits or investments that are readily convertible to known amounts of cash and which are subject to an insignificant risk of changes in value.

The bank time deposits to initially expire within one year are intended to satisfy the short-term cash commitment instead of investment or others, which may be readily convertible to known amounts of cash and subject to an insignificant risk of changes in value and, therefore, are stated as cash or cash equivalent.

(7) Financial assets at fair value through profit or loss

A. Financial assets at fair value through profit or loss are financial assets that are not measured at amortized cost or fair value through other comprehensive income.

B. On a regular way purchase or sale basis, financial assets at fair value through profit or loss are recognized and derecognized using trade date accounting.

C. At initial recognition, the Group measures the financial assets at fair value and recognizes the transaction costs in profit or loss. The Group subsequently measures the financial assets at fair value, and recognizes the gain or loss in profit or loss.

D. The Group recognizes the dividend income when the right to receive payment is established, future economic benefits associated with the dividend will flow to the Group and the amount of the dividend can be measured reliably.

(8) Financial assets at fair value through other comprehensive income

A. Financial assets at fair value through other comprehensive income comprise equity securities which are not held for trading, and for which the Group has made an irrevocable election at initial recognition to recognise changes in fair value in other comprehensive income and debt instruments which meet all of the following criteria:

(a) The objective of the Group's business model is achieved both by collecting contractual cash flows and selling financial assets; and

(b) The assets' contractual cash flows represent solely payments of principal and interest.

B. On a regular way purchase or sale basis, financial assets at fair value through other comprehensive income are recognized and derecognized using trade date accounting.

C. At initial recognition, the Group measures the financial assets at fair value plus transaction costs. The Group subsequently measures the financial assets at fair value:

(a) The changes in fair value of equity investments that were recognized in other comprehensive income are reclassified to retained earnings and are not reclassified to profit or loss following the derecognition of the investment. Dividends are recognized as revenue when the right to receive payment is established, future economic benefits associated with the dividend will flow to the Group and the amount of the dividend can be measured reliably.

(b) Except for the recognition of impairment loss, interest income and gain or loss on foreign exchange which are recognized in profit or loss, the changes in fair value of debt instruments are taken through other comprehensive income. When the financial asset is derecognized, the cumulative gain or loss previously recognized in other comprehensive income is reclassified from equity to profit or loss.

(9) Financial assets at amortized cost

A. Financial assets at amortized cost are those that meet all of the following criteria:

(a) The objective of the Group's business model is achieved by collecting contractual cash flows.

(b) The assets' contractual cash flows represent solely payments of principal and interest.

B. On a regular way purchase or sale basis, financial assets at amortized cost are recognized and derecognized using trade date accounting.

C. At initial recognition, the Group measures the financial assets at fair value plus transaction costs. Interest income from these financial assets is included in finance income using the effective interest method. A gain or loss is recognized in profit or loss when the asset is derecognized or impaired.

D. The Group's time deposits which do not fall under cash equivalents are those with a short maturity period and are measured at initial investment amount as the effect of discounting is immaterial.

(10) Accounts and notes receivable

A. Accounts and notes receivable entitle the Group a legal right to receive consideration in exchange for transferred goods or rendered services.

B. The short-term accounts and notes receivable without bearing interest are subsequently measured at initial invoice amount as the effect of discounting is immaterial.

(11) Impairment of financial assets

Including financial assets at amortized cost and accounts receivable or contract assets that have a significant financing component , at each reporting date, the Group recognizes the impairment provision for 12 months expected credit losses if there has not been a significant increase in credit risk since initial recognition or recognizes the impairment provision for the lifetime expected credit losses (ECLs) if such credit risk has increased since initial recognition after taking into consideration all reasonable and verifiable information that includes forecasts. On the other hand, for accounts receivable or contract assets that do not contain a significant financing component, the Group recognizes the impairment provision for lifetime ECLs.

(12) Derecognition of financial assets

The Group derecognises a financial asset when the contractual rights to receive the cash flows from the financial asset expire.

(13) Financial liabilities at fair value through profit or loss

A. Financial liabilities are classified in this category of held for trading-if acquired principally for the purpose of repurchasing in the short-term. Derivatives are also categorised as financial liabilities held for trading unless they are designated as hedges, or financial liabilities at fair value through profit or loss. Financial liabilities that meet one of the following criteria are designated as at fair value through profit or loss at initial recognition:

(a) Hybrid (combined) contracts; or

(b)They eliminate or significantly reduce a measurement or recognition inconsistency; or

(c) They are managed and their performance is evaluated on a fair value basis, in accordance with a documented risk management policy.

B. At initial recognition, the Group measures the financial liabilities at fair value. All related transaction costs are recognised in profit or loss. The Group subsequently measures these inancial liabilities at fair value with any gain or loss recognised in profit or loss.

(14) Notes and accounts payable

A. Accounts payable are liabilities for purchases of raw materials, goods or services and notes payable are those resulting from operating and non-operating activities.

B. The short-term notes and accounts payable without bearing interest are subsequently measured at initial invoice amount as the effect of discounting is immaterial.

(15) Convertible bonds payable

Convertible bonds or issued by the Group contain conversion options (that is, the bondholders have the right to convert the bonds into the Group's common shares by exchanging a fixed amount of cash for a fixed number of common shares), call options and put options. The Group classifies the bonds payable upon issuance as a financial asset, a financial liability or an equity instrument in accordance with the contract terms. They are accounted for as follows:

A. The embedded call options and put options are recognised initially at net fair value as 'financial assets or financial liabilities at fair value through profit or loss'. They are subsequently remeasured and stated at fair value on each balance sheet date;

the gain or loss is recognized as ‘gain or loss on valuation of financial assets or financial liabilities at fair value through profit or loss’.

B. The host contracts of bonds or are initially recognized at fair value. Any difference between the initial recognition and the redemption value is accounted for as the premium or discount on bonds payable and subsequently is amortized in profit or loss as an adjustment to ‘finance costs’ over the period of circulation using the effective interest method.

C. The embedded conversion options which meet the definition of an equity instrument are initially recognized in ‘capital surplus—share options’ at the residual amount of total issue price less the amount of financial assets or financial liabilities at fair value through profit or loss and bonds payable as stated above. Conversion options are not subsequently remeasured.

D. Any transaction costs directly attributable to the issuance are allocated to each liability or equity component in proportion to the initial carrying amount of each abovementioned item.

E. When bondholders exercise conversion options, the liability component of the bonds (including bonds payable and ‘financial assets or financial liabilities at fair value through profit or loss’) shall be remeasured on the conversion date. The issuance cost of converted common shares is the total book value of the abovementioned liability component and ‘capital surplus—share options’.

(16) Derecognition of financial liabilities

A. A financial liability is derecognized when the obligation specified in the contract is either discharged or cancelled or expires.

B. Where there has been a renegotiation or modification of the terms of an existing financial liability and resulted in an insignificant discrepancy which is less than ten percent of the estimated cash flows, the carrying amount of the liability is recalculated based on the modified cash flows discounted at the original effective interest rate. The gain or loss arising from the carrying amount after modification less the initial recognition of the financial liability is recognized in profit or loss.

C. Where there has been a substantial renegotiation or modification of the terms of an existing financial liability and resulted in a significant discrepancy which is at least ten percent of the estimated cash flows, the carrying amount of the liability is recalculated based on the modified cash flows discounted at the original effective interest rate. The gain or loss arising from the carrying amount after modification less the initial recognition of the financial liability is recognized in profit or loss.

(17) Inventory

The inventories shall be stated at the lower of cost and net realizable present value. The cost should include the costs of acquisition, production or processing or others incurred when the inventory is sellable or producible and at the location where the inventory is sellable or producible, and calculated under weighted average method. The costs of inventories for finished goods and work in process include the manufacturing expenses amortized based on the normal productivity on a pro rata basis.

Net realizable value is the estimated selling price of inventories less all estimated costs of completion and necessary selling costs under the normal operation.

(18) Non-current assets (or disposal groups) held for sale

Non-current assets (or disposal groups) are classified as assets held for sale when their carrying amount is to be recovered principally through a sale transaction rather than through continuing use, and a sale is considered highly probable. They are stated at the lower of carrying amount and fair value less costs to sell and stop arranging the depreciation.

(19) Investment accounted for using equity method

An affiliate means an entity in which the Group has major influence over the financial and operating policies but has no control over the same. The Group will be assumed having major influence when it holds 20%~50% of the voting right in the investee.

Under the equity method, the investment is stated at cost at time of acquisition initially. The investment includes trading cost. The book value of investment in affiliates includes the goodwill identified at the time of initial investment less any accumulated impairment loss.

The consolidated financial statements shall include the income from the invested affiliates recognized subject to the shareholdings and other comprehensive income upon adjustment made in line with the Group’s accounting policy, from the date when the Group has major influence until the date when the Group loses the major influence.

The unrealized gains from transactions between the Group and affiliates have been derecognized from the Group's equity in the investees. The unrealized loss shall be derecognized in the same manner applicable to unrealized gains; provided that the unrealized loss is limited to that arises under no impairment evidence is available.

When the Group’s share of loss from any affiliate to be recognized on a pro rata basis is equivalent to or more than its equity in the affiliate, it shall stop recognizing the loss, but shall recognize the additional loss and relevant liabilities only when legal obligation or constructive obligation is incurred or the Group makes payment on behalf of the investee.

Where the Group forfeits its material influence over an affiliate when the Group disposes of the affiliate, the capital surplus related to the affiliate will be stated as income, provided that where it still has material influence over the affiliate, the capital surplus shall be stated as income based on the proportion of disposition.

(20) Property, plant and equipment

A. Recognition and measurement

Property, plant and equipment shall be recognized and measured using a cost model, and measured at the cost less accumulated depreciation and accumulated impairment. The costs include the expenses directly attributable to the acquisition of assets. The costs of self-built assets include the costs of raw materials and direct labor, any other costs directly attributable to usable status of investment assets, costs of dismantling and removal of the items and recovery of premises, and loan cost that meets the requisite asset capitalization. Meanwhile, the costs also include the purchase of property, plant and equipment denominated in foreign currency.

When property, plant and equipment consist of various components, and the total cost for the item is significant and it is advisable to apply different depreciation ratio or methods, the property, plant and equipment should be treated separately (for major components).

The gain or loss on disposal of property, plant and equipment shall be decided based on the price difference between the book value of property, plant and equipment and proceeds on disposal of the same and recognized as the "other gains and losses" in the income statement on a net basis.

B. After cost

If the future economic effect expected to be generated from the after expenses of property, plant and equipment is very likely to flow into the Group and the amount thereof may be measured, the expenses shall be stated as a part of the book value and the relocated book value should be derecognized. The routine maintenance and repairs of property, plant and equipment shall be stated as income when incurred.

C. Depreciation

The depreciation shall be calculated at the cost of assets less residual value using the straight-line method over the estimated useful years, and evaluated based on the various major components of the assets. If the useful years for any component are different from those of other components, the component shall be depreciated separately. The depreciation shall be stated as income.

No depreciation of land is required.

The estimated useful years in the current period and comparative period are stated as follows:

Item	Useful years
House and building	
Plant and dormitory	20-50
Clean room	20

Electrical and mechanical facilities	20
Others	10-20
Machine and equipment	3-10
Transportation equipment	4-5
Furniture and fixtures	2-10
Research equipment	2-12
Other equipments	2-8

D. Depreciation, useful years and residual value shall be reviewed at the end of each fiscal year. If the expected value is different from the previous estimate, adjustment should be made if necessary, and the changes shall be treated as changes in accounting estimates.

(21) Leasing arrangements (lessor)－lease receivables/ operating leases

A. Based on the terms of a lease contract, a lease is classified as a finance lease if the lessee assumes substantially all the risks and rewards incidental to ownership of the leased asset.

(a) At commencement of the lease term, the lessor should record a finance lease in the balance sheet as ‘lease receivables’ at an amount equal to the net investment in the lease (including initial direct costs). The difference between gross lease receivable and the present value of the receivable is recognized as ‘unearned finance income of finance lease’.

(b) The lessor should allocate finance income over the lease term based on a systematic and rational basis reflecting a constant periodic rate of return on the lessor’s net investment in the finance lease.

(c) Lease payments (excluding costs for services) during the lease term are applied against the gross investment in the lease to reduce both the principal and the unearned finance income.

B. Lease income from an operating lease (net of any incentives given to the lessee) is recognized in profit or loss on a straight-line basis over the lease term.

(22) Leasing arrangements (lessee)－right-of-use assets / lease liabilities

A. Leases are recognized as a right-of-use asset and a corresponding lease liability at the date at which the leased asset is available for use by the Group. For short-term leases or leases of low-value assets, lease payments are recognized as an expense on a straight-line basis over the lease term.

B. Lease liabilities include the net present value of the remaining lease payments at the commencement date, discounted using the incremental borrowing interest rate.

(a) Fixed payments, less any lease incentives receivable;

(b) Variable lease payments that depend on an index or a rate;

(c) Amounts expected to be payable by the lessee under residual value guarantees;

(d) The exercise price of a purchase option, if the lessee is reasonably certain to exercise that option; and

(e) Payments of penalties for terminating the lease, if the lease term reflects the lessee exercising that option.

The Group subsequently measures the lease liability at amortized cost using the interest method and recognizes interest expense over the lease term. The lease liability is remeasured and the amount of remeasurement is recognized as an adjustment to the right-of-use asset when there are changes in the lease term or lease payments and such changes do not arise from contract modifications.

C. At the commencement date, the right-of-use asset is stated at cost comprising the following:

(a) The amount of the initial measurement of lease liability;

(b) Any lease payments made at or before the commencement date;

(c) Any initial direct costs incurred by the lessee; and

(d)An estimate of costs to be incurred by the lessee in dismantling and removing the underlying asset, restoring the site on which it is located or restoring the underlying asset to the condition required by the terms and conditions of the lease.

The right-of-use asset is measured subsequently using the cost model and is depreciated from the commencement date to the earlier of the end of the asset’s useful life or the end of the lease term. When the lease liability is remeasured, the amount of remeasurement is recognized as an adjustment to the right-of-use asset.

D. For lease modifications that decrease the scope of the lease, the lessee shall decrease the carrying amount of the right-of-use asset to reflect the partial or full termination of the lease, and recognize the difference between remeasured lease liability in profit or loss.

(23) Intangible assets

A. Computer software

Computer software is stated at cost and amortized on a straight-line basis over its estimated useful life of 1 to 5 years.

B. Internally generated intangible assets—research and development expenditures

(a) Research expenditures are recognized as an expense as incurred.

(b) Development expenditures that do not meet the following criteria are recognized as expenses as incurred, but are recognised as intangible assets when the following criteria are met:

ⒶIt is technically feasible to complete the intangible asset so that it will be available for use or sale;

ⒷAn entity intends to complete the intangible asset and use or sell it;

ⒸAn entity has the ability to use or sell the intangible asset;

ⒹIt can be demonstrated how the intangible asset will generate probable future economic benefits;

Ⓔ Adequate technical, financial and other resources to complete the development and to use or sell the intangible asset are available; And

ⒻThe expenditure attributable to the intangible asset during its development can be reliably measured.

C. Goodwill

Goodwill arises in a business combination accounted for by applying the acquisition method.

D. Patent

Separately acquired patent are stated at historical cost. Patent acquired in a business combination are recognized at fair value at the acquisition date. Patent has a finite useful life and are amortized on a straight-line basis over their estimated useful lives of 11 years.

E. Other intangible assets

Separately acquired other intangible assets are stated at historical cost. Other intangible assets are intangible asset from lease and client base acquired in a business combination are recognized at fair value at the acquisition date. Considering to its economic time and should be amortized on a straight-line basis over its economic time of 4-8 years.

(24) <u>Impairment on non-financial assets</u>

A. The Group will estimate the recoverable amount of the assets which show signs of impairment on the balance sheet date, and impairment loss would be recognized if the recoverable amount falls below the asset's face value. The recoverable amount means the higher of fair value of one asset less its disposition cost, or its useful value. Impairment loss recognized in previous years on assets other than goodwill may be reversed if the basis of impairment no longer existed or is reduced. Notwithstanding, the increase in book value of the asset resulting from the reversal must not exceed the face value of the asset less depreciation or amortization without impairment.

B. The recoverable amount of goodwill, intangible assets with indefinite useful years and intangible assets not available for use shall be estimated periodically. Impairment loss would be recognized if the recoverable amount falls below the face value. The impairment loss on goodwill shall not be reversed in following years.

C. Goodwill shall be amortized to cash generation unit for the purpose of testing impairment. The amortization is identified by operations to amortize goodwill into cash generation unit or cash generation unit group expected to benefit from the merger of businesses generating the goodwill.

(25) Reserve for liabilities

The reserve for liabilities shall be recognized when the Group has a present obligation as a result of a past event, and it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation, and a reliable estimate can be made of the amount of the obligation.

The Group's reserve for liabilities for warranty shall be recognized when the goods or services are sold. The reserve for liabilities shall be measured under weighted method based on the historical warranty information and potential results subject to the relevant possibility.

(26) Treasury stock

The issued stock recalled by the Group is stated based on the consideration paid for repurchase (including direct vested cost), recognized as "treasury stock" at the net after tax and presented as a deduction from equity. Where the gain on disposal of treasury stock is higher than the book value, the difference shall be credited under the title “additional paid-in capital-transaction of treasury stock”. Where the gain is lower than the book value, the difference is offset against the additional paid-in capital generated from the transactions of treasury stock under the same type. Any deficits thereof shall be debited as retained earnings. The book value thereof is calculated based on the weighted average method according to the type of stock (common stock or special shares) and causes for the withdrawal.

Cancellation of treasury stock shall be credited under the title “treasury stock”, and debited as “additional paid-in capital-stock premium” and “capital stock”. Where the book value of treasury stock is higher than the total of the book value and stock premium, the balance is offset against the additional paid-in capital generated from the transactions of treasury stock under the same type. Any deficits thereof shall be debited as retained earnings. Where the book value of treasury stock is lower than the total of the book value and stock premium, the difference should be credited as the additional paid-in capital generated from the transactions of treasury stock under the same type.

(27) Revenue recognition

A. Sales of goods

(a) The Group manufactures and sells a range of semi-conductor production process and testing equipments in the market. Sales are recognized when control of the products has transferred, being when the products are delivered to the wholesaler, the wholesaler has full discretion over the channel and price to sell the products, and there is no unfulfilled obligation that could affect the wholesaler's acceptance of the products. Delivery occurs when the products have been shipped to the specific location, the risks of obsolescence and loss have been transferred to the wholesaler, and either the wholesaler has accepted the products in accordance with the sales contract, or the Group has objective evidence that all criteria for acceptance have been satisfied.

(b) The Group's obligation to provide a refund for faulty products under the standard warranty terms is recognized as a provision.

(c) A receivable is recognized when the goods are delivered as this is the point in time that the consideration is unconditional because only the passage of time is required before the payment is due.

B. Labor service

The Group provides semi-conductor production process and testing equipments proxy services. Revenue from providing services is recognized in the accounting period in which the services are rendered. The customer pays at the time specified in the payment schedule. If the services rendered exceed the payment, a contract asset is recognized. If the payments exceed the services rendered, a contract liability is recognized.

C. Financing components

The Group does not expect to have any contracts where the period between the transfer of the promised goods or services to the customer and payment by the customer exceeds one year. As a consequence, the Group does not adjust any of the transaction prices for the time value of money.

D. Incremental costs of obtaining a contract

The Group recognizes an asset (shown as 'Prepayments ') the incremental costs (mainly comprised of sales commissions) of obtaining a contract with a customer if the Group expects to recover those costs. The recognized asset is amortized on a systematic basis that is consistent with the transfers to the customer of the goods or services to which the asset relates. The Group recognizes an impairment loss to the extent that the carrying amount of the asset exceeds the remaining amount of consideration that the Group expects to receive less the costs that have not been recognized as expenses.

(28) Borrowings

Borrowings comprise long-term and short-term bank borrowings. Borrowings are recognized initially at fair value, net of transaction costs incurred. Borrowings are subsequently stated at amortized cost; any difference between the proceeds (net of transaction costs) and the redemption value is recognized in profit or loss over the period of the borrowings using the effective interest method.

(29) Government subsidies

The government subsidies shall be stated at fair value when it is reasonable to ensure that an enterprise will comply with the conditions incident to the government subsidies and the subsidies may be received affirmatively. If the government subsidies, in nature, are intended to compensate the expenses incurred by the Group, the government subsidies shall be stated as the current income on a systematic basis when the related expenses are incurred.

(30) Employee benefits

A. Short-term employee benefits

Short-term employee benefits are measured at non-discounted amount expected to be paid, and stated as expenses when the relevant services are provided.

B. Pension

(a) Defined contribution plan

Under the defined contribution plan, every contribution made to the pension fund is recognized as pension cost in the period occurred using the accrual basis. The prepaid contribution may be stated as assets, insofar as it may be refunded in cash or the future payment is reduced.

(b) Defined benefit plan

Ⓐ The net obligation under the defined benefit pension plan is converted to the present value based on the future benefit earned from the services provided by the employees under various benefit plans in the current period or in the past, and the present value of defined benefit obligations on the balance sheet date less the fair value of the planned assets. An actuary using the Projected Unit Credit Method estimates defined benefit obligations each year. The discount rate shall be based on the market yield rate of corporate bonds of high credit standing that have the same currency exposure and maturity date as the obligations on the balance sheet date, but the market yield rate of government bonds (on the balance sheet date) shall apply in the country where no market of corporate bonds of high credit standing is available.

Ⓑ The re-measurement generated from the defined benefit plan is stated as other comprehensive income in the period when it is incurred, and presented in the retained earnings.

Ⓒ The expenses related to the service cost in the previous period shall be recognized as income immediately.

Ⓓ The interim pension cost applied the pension cost ratio decided upon actuation at the end of the previous fiscal year, and was calculated from the beginning of year until the end of the current period. In the case of material changes in market and material reduction, repayment or other important event at the end, it shall be adjusted and related information shall be disclosed pursuant to said policies.

C. Resignation benefits

Termination benefits are employee benefits provided in exchange for the termination of employment as a result from either the decision to terminate an employee's employment before the normal retirement date, or an employee's decision to accept an offer of redundancy benefits in exchange for the termination of employment. The Group will not state the benefits as expenses until the offer of benefits cannot be withdrawn or the related reorganization cost is stated, whichever earlier. It is not expected that benefits falling due more than 12 months after balance sheet date are discounted to their present value.

D. Remuneration to employee and directors/supervisors

The remuneration to employees and directors/supervisors shall be recognized as expenses and liabilities only when legal or constructive obligation is constituted and the value thereof may be estimated reasonably. Subsequently, if the actual distributed amount resolved is different from the estimate, the difference shall be treated as a change in accounting estimate.

(31) Employee share-based payment

For the equity-settled share-based payment arrangements, the employee services received are measured at the fair value of the equity instruments granted at the grant date, and are recognized as compensation cost over the vesting period, with a corresponding adjustment to equity. The fair value of the equity instruments granted shall reflect the impact of market vesting conditions and non-vesting conditions. Compensation cost is subject to adjustment based on the service conditions that are expected to be satisfied and the estimates of the number of equity instruments that are expected to vest under the non-market vesting conditions at each balance sheet date. Ultimately, the amount of compensation cost recognized is based on the number of equity instruments that eventually vest.

(32) Income tax

A. The income tax expenses consist of current income tax and deferred income tax. The income tax shall be stated as income other than the income tax related to the titles stated into other comprehensive incomes or into equity directly, which shall be stated into other comprehensive income or into equities directly.

B. The Group calculates the income tax related to the current period based on the statutory tax rate or tax rate substantially enacted in the countries where the Company is operating and generating taxable income on the balance sheet date. The management shall evaluate the status of income tax return within the statutory period defined by the related income tax laws, and shall be responsible for the income tax expected to be paid to the tax collection authority. Undistributed earnings, if any, shall be levied income tax. Income tax expenses for undistributed earnings will be stated in the year next to the year when the earnings are generated, upon approval of the motion for allocation of earnings at a shareholders' meeting.

C. Deferred tax is stated based on the temporary differences between taxation basis for assets and liabilities and the face value thereof on the consolidated balance sheet using the balance sheet method. The deferred income tax liabilities resulting from the initial recognition of goodwill shall not be recognized. The deferred income tax resulting from the initial recognition of assets or liabilities in a transaction (exclusive of business merger) shall not be recognized; insofar as the accounting profit or taxable income (taxable loss) is not affected by the transaction. Taxable temporary difference generated from investment in subsidiaries and affiliates, of which the time of reverse is controllable by the Group and which is not likely to be reversed in the foreseeable future, shall not be recognized. The deferred income tax assets and liabilities are measured at the tax rate in the current period of which the assets are expected to be realized or liabilities to be repaid. The tax rate shall be based on the tax rate and tax laws already legislated or substantially legislated at the end of the reporting period.

D. Deferred income tax assets shall be recognized, insofar as temporary difference is very likely to credit against future taxable income, and deferred income tax assets which are recognized and unrecognized shall be re-evaluated on each balance sheet date.

E. Current income tax assets and liabilities are offset and the net amount is reported in the balance sheet when there is a legally enforceable right to offset the recognized amounts and there is an intention to settle on a net basis or realize the asset and settle the liability simultaneously. Deferred income tax assets and liabilities are offset on the balance sheet when the entity has the legally enforceable right to offset current tax assets against current tax liabilities and they are levied by the same taxation authority on either the same entity or different entities that intend to settle on a net basis or realize the asset and settle the liability simultaneously.

F. Unused tax credits derived from purchase of equipment or technology, R&D expenditure and equity investment can be added to deductible temporary differences and recognized as deferred tax assets, to the extent that the Company is likely to earn taxable income to offset against.

G. The average effective tax rate used to estimate the interim income tax expenses shall apply to the interim income before tax, and the relevant information shall be disclosed pursuant to said policies.

H. If a change in tax rate is enacted or substantively enacted in an interim period, the Group recognizes the effect of the change immediately in the interim period in which the change occurs. The effect of the change on items recognized outside profit or loss is recognized in other comprehensive income or equity while the effect of the change on items recognized in profit or loss is recognized in profit or loss.

(33) Business combination

A. The Group adopts the acquisition method to proceed with business combination. The consideration for combination is calculated at the fair value of the assets to be transferred or liabilities to be derived or borne and the equity instruments to be issued. The consideration for the transfer includes the fair value of any assets and liabilities generated from the contingent consideration agreement. The cost related to acquisition is stated as expense when it is incurred. The identifiable assets and liabilities acquired from the business combination shall be measured at the fair value on the day of acquisition. Based on individual acquisition transaction, the elements of non-controlling equity which refer to the current ownership, of which the holder is entitled to the business's net assets on a pro rata basis at the time of liquidation may choose to measure the fair value based on the fair value on the date of acquisition or subject to proportion of non-controlling equity in the acquired identifiable net assets. The other elements of non-controlling equity shall be measured at the fair value on the date of acquisition.

B. Goodwill arises when the transfer consideration, non-controlling equity of the acquiree, and the total fair value of the acquiree's equity already held exceeds the fair value of identifiable assets and liabilities. The price difference shall be stated as income on the date of acquisition if the fair value of identifiable assets and liabilities as acquired exceeds the transfer consideration, non-controlling equity of the acquiree, and the total fair value of the acquiree's equity already held.

(34) EPS

The Group will enumerate the basic and diluted EPS vested in the Company's common stock holders. The Group’s EPS is calculated based on the income vested in the Company's common stock holders dividing by the number of shares of the weighted average outstanding common stock. The diluted EPS is calculated upon adjustment of the effect of all potential diluted common stocks based on the income vested in the common stock holders and the number of shares of the weighted average outstanding common stock. The Group's potential diluted common stock includes the stock options granted to employees.

(35) Information by department

The Group consists of various members including the operations engaged in operating activities likely to earn revenue and incur expense (including the revenue and expense from the transactions with the other members within the Group). The operating results of all operations are rechecked by the Group's operating decision maker periodically for making of the decision to allocate resources to each operation and evaluation of each operation's performance. Each operation's financial information is independent from that of the others.

5. **Significant accounting judgments, estimations, and major sources of hypotheses of uncertainty**

The preparation of these consolidated financial statements requires management to make critical judgements in applying the Group’s accounting policies and make critical assumptions and estimates concerning future events. Assumptions and estimates may differ from the actual results and are continually evaluated and adjusted based on historical experience and other factors. Such assumptions and estimates have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year; and the related information is addressed below:

A. Critical judgements in applying the Group’s accounting policies

Revenue recognition on a net/gross basis

(1) The Group determines whether the nature of its performance obligation is to provide the specified goods or services itself (i.e. the Group is a principal) or to arrange for the other party to provide those goods or services (i.e. the Group is an agent) based on the transaction model and its economic substance. The Group is a principal if it controls a promised good or service before it transfers the good or service to a customer. The Group recognises revenue at gross amount of consideration to which it expects to be entitled in exchange for those goods or services transferred. The Group is an agent if its performance obligation is to arrange for the provision of goods or services by another party. The Group recognises revenue at the amount of any fee or commission to which it expects to be entitled in exchange for arranging for the other party to provide its goods or services.

(2) Indicators that the Group controls the good or service before it is provided to a customer include the following:

(a) The Group is primarily responsible for the provision of goods or services;

(b) The Group assumes the inventory risk before transferring the specified goods or services to the customer or after transferring control of the goods or services to the customer.

(c) The Group has discretion in establishing prices for the goods or services.

B. Critical accounting estimates and assumptions

(1) Allowance for uncollectible of receivable accounts

The Group evaluates and estimates the collectible receivable accounts and allowance for uncollectible accounts according to the loan quality and collection of debt from customers and based on the past experience in collecting allowance for uncollectible accounts. If some event or change resulting in failure to collect the debt shows, it is necessary to estimate the allowance for uncollectible accounts. If the projected collected cash is different from the estimation, the difference will affect the book value of receivable accounts and expected credit loss in the year in which the estimation is changed. Until December 31, 2021, the book value of receivable accounts has been NT$1,383,960 thousand (exclusive of the allowance for uncollectible accounts, NT$19,542 thousand).

(2) Evaluation of inventory

The inventories shall be stated at the lower of cost and net realizable present value. Therefore, the Group has to decide the net realizable present value of the inventory on the balance sheet date based on judgment and estimation. Due to the rapid transformation of technology, the Group evaluates the value of inventories after excluding the torn and worn, out-of-fashion or unmarketable ones on the balance sheet date, and offset the cost of inventories against net realizable value. Until December 31, 2021, the book value of the Group's inventories has been NT$2,574,596 thousand (exclusive of the allowance for inventory devaluation and obsolescence loss, NT$391,959 thousand).

(3) Realizability of deferred income tax assets

Deferred income tax assets shall be recognized only when it is very likely that there will be sufficient taxable income afford to deduct temporary difference. To evaluate the realizability of deferred income tax assets, the management has to exert judgment and estimation, including the hypotheses about expectation toward growth and profit rate of future sale revenue, applicable income tax credit and taxation planning. The transformation of global economic environments and industrial environments and changes in laws and regulations, if any, might result in material adjustment on deferred income tax assets. Until December 31, 2021, the deferred income tax assets recognized by the Group have been NT$125,092 thousand.

(4) Recognition of revenue

In principle, sale revenue is recognized at the time the earning process. The related reserve for liabilities is provided based on the estimated after-sale warranty cost potentially incurred due to historical experience and other known causes, and stated as the sale cost in the period in which the product is sold. The reasonableness of estimation is also reviewed periodically. Until December 31, 2021, the reserve for liabilities recognized by the Group have been NT$14,638 thousand.

(5) Calculation of net defined benefit liability

In the calculation of the determined welfare obligation, the Group must make use of judgment and estimate to determine relevant actuarial assumption on the balance sheet date, including the discount rate and growth of future salary. Any changes in the actuarial hypotheses might affect the value of the Group's defined benefit obligation materially. As of December 31, 2021, the book value of accrual pension liabilities of the Group amounted to NT$20,037 thousand.

(6) Impairment assessment of goodwill

The Group assesses impairment of goodwill based on subjective judgment which includes identifying allocating assets, liabilities and goodwill to related cash-generating units to determine recoverable amounts of this unit. Please refer to Note 6(8) for the information of goodwill impairment. As of December 31, 2021, the goodwill of the Group amounted to NT$197,778 thousand.

6. Notes to Major Accounting Titles

(1) Cash and cash equivalents

	December 31, 2021	December 31, 2020
Cash:		
Cash on hand	$ 3,138	$ 2,569
Cash in banks:		
Checking deposits	10	10
Demand deposits	1,285,876	1,406,410
Time deposits	35,268	36,278
Total	$ 1,324,292	$ 1,445,267

The bank deposits provided by the Group as specific or restricted use have been re-stated as other current assets and other non-current assets. Please see Note 8.

(2) Financial assets at fair value through other comprehensive income

	December 31, 2021	December 31, 2020
Current items:	$ —	$ —
Non-current items:		
Equity instrument		
Stock in domestic listed company through private placement		
-Spriox Corporation	168,000	—
Valuation adjustment	(1,540)	—
Total	$ 166,460	$ —

A. The Group has passed the acquisition of common stock of Spriox Corporation 7,000 thousand shares through private placement by the Board of Directors meeting in November 25, 2021. The consideration of acquisition is NT$168,000 thousand.

B. Investment in equity instruments at fair value through other comprehensive income

The purpose that the Group invests in the equity instruments is for long-term strategies, but rather for trading purpose. Therefore, those equity instruments are designated as financial assets at fair value through other comprehensive income.

C. The amounts recognised in profit or loss and other comprehensive income in relation to the financial assets at fair value through other comprehensive income are listed below:

	2021	2020
Equity instruments at fair value through other comprehensive income		
Fair value change recognised in other comprehensive income	$ (1,540)	$ —

D. As of December 31, 2021, financial assets at fair value through other comprehensive income were not pledged as collateral.

E. Information relating to risk of financial assets at fair value through other comprehensive income is provided in Note 12(2).

(3) Notes receivable, net

	December 31, 2021	December 31, 2020
Notes receivable	$ 170,531	$ 80,316
Less: Allowance for uncollectible accounts	—	—
Notes receivable, net	$ 170,531	$ 80,316

A. The Group's receivable notes were issued for business and never been provided as collateral.

B. The ageing analysis of notes receivable is stated as follows:

	December 31, 2021		December 31, 2020	
	Total	Impairment	Total	Impairment
Neither past due nor impaired	$ 170,531	$ —	$ 80,316	$ —
1~90 days	—	—	—	—
91 to 180 days	—	—	—	—
181 to 360 days	—	—	—	—
361 to 720 days	—	—	—	—
Over721 days	—	—	—	—
Total	$ 170,531	$ —	$ 80,316	$ —

The above ageing analysis was based on account day.

C. As of December 31, 2021 and December 31, 2020, notes receivable were all from contracts with customers.

(4) Accounts receivable, net

	December 31, 2021	December 31, 2020
Accounts receivable	$ 1,231,774	$ 1,091,904
Less: Allowance for uncollectible accounts	(18,345)	(16,854)
Accounts receivable, net	$ 1,213,429	$ 1,075,050

	December 31, 2021	December 31, 2020
Overdue receivable (stated as other non-current assets)	$ 1,197	$ 4,212
Less: Allowance for uncollectible accounts	(1,197)	(4,212)
Overdue receivable, net	$ —	$ —

A. The Group's receivable accounts were incurred for business and never been provided as collateral.

B. For the information about the changes of allowance for uncollectible accounts provided for the impairment on receivable accounts and account age analysis on loans (for the disclosure of credit risk, please see Note 12(2)):

	Group provision	Individual provision	Total
At January 1,2021	$ 17,128	$ 3,938	$ 21,066
Additions			
-acquired through business combinations	799	—	799
Provision for impairment	598	—	598
Reversal of impairment	—	(1,681)	(1,681)
Write-offs during the period	(3)	(1,213)	(1,216)
Unwinding of discount and premium	(18)	14	(4)
At December 31, 2021	$ 18,484	$ 1,058	$ 19,542
At January 1,2020	$ 23,100	$ —	$ 23,100
Provision for impairment	—	3,996	3,996
Reversal of impairment	(4,978)	—	(4,978)
Write-offs during the period	(802)	—	(802)
Unwinding of discount and premium	(192)	(58)	(250)
At December 31, 2020	$ 17,128	$ 3,938	$ 21,066

C. The ageing analysis of accounts receivable is stated as follows:

	December 31, 2021		December 31, 2020	
	Total	Impairment	Total	Impairment
Neither past due nor impaired	$ 1,034,023	$ -	$ 903,878	$ -
Overdue for 1~90 days	154,165	10,791	157,121	10,999
Overdue for 91~180 days	35,120	5,268	24,170	3,625
Overdue for 181~360 days	7,791	1,948	4,550	1,138
Overdue for 1~2 years	675	338	2,185	1,092
Overdue for more than 2 years	1,197	1,197	4,212	4,212
Total	$ 1,232,971	$ 19,542	$ 1,096,116	$ 21,066

The above ageing analysis was based on past due date.

D. As of December 31, 2021 and December 31, 2020, accounts receivable were all from contracts with customers.

(5) **Inventories**

	December 31, 2021		
	Cost	Allowance for valuation loss	Book value
Raw material	$ 762,998	$ (207,261)	$ 555,737
Supplies	175,605	(40,432)	135,172
Work in progress	588,112	(42,110)	545,002
Semi-finished goods	444,209	(76,421)	367,788
Finished goods	929,824	(21,539)	908,285
Commodity	57,466	(3,196)	54,270
Materials and supplies in transit	8,341	—	8,341
Inventory, net	$ 2,966,555	$ (391,959)	$ 2,574,596

	December 31, 2020		
	Cost	Allowance for valuation loss	Book value
Raw material	$ 744,954	$ (152,026)	$ 592,928
Supplies	129,057	(31,589)	97,468
Work in progress	477,198	(32,264)	444,934
Semi-finished goods	430,709	(61,802)	368,907
Finished goods	927,586	(29,304)	898,282
Commodity	57,270	(1,796)	55,474
Materials and supplies in transit	10,582	—	10,582
Inventory, net	$ 2,777,356	$ (308,781)	$ 2,468,575

A. Expenses and losses related to inventory recognized in the current period:

	2021	2020
Cost of inventories sold	$ 3,619,407	$ 3,285,066
Loss on market price decline inventories (gain from price recovery)	78,954	(1,996)
Loss on obsolescence of inventory	14,492	2,110
Other operating costs- employees' bonus	41,727	43,148
Estimated warranty liabilities	10,711	11,693
Exchange difference, net	18	15
Operating Cost	$ 3,765,309	$ 3,340,036

B. As of December 31, 2021 and 2020, the inventory was not pledged as collateral.

(6) **Property, plant and equipment**

A. The cost, depreciation, and impairment of the property, plant and equipment of the Group were as follows:

	Land	House and building	Machine and equipment	Transportation equipment	Furniture and fixtures	Research equipment	Other equipment	Construction in progress	Total
Cost:									
At January 1, 2021	$ 770,963	$ 1,570,122	$ 1,596,777	$ 1,766	$ 63,425	$ 635,006	$ 44,769	$ 646,556	$ 5,329,384
Acquisition through business combination	-	-	51,504	-	1,542	-	6,430	-	59,476
Additions	-	242,850	124,019	-	16,944	30,311	2,931	17,965	435,020
Disposals	-	(28,106)	(48,281)	-	(3,963)	(93,642)	(3,314)	-	(177,306)
Transfer	-	644,336	209,127	-	934	45,483	-	(646,340)	253,540
Effect of movements in exchange rate	-	193	2,757	13	(343)	(384)	(701)	-	1,535
At December 31, 2021	$ 770,963	$ 2,429,395	$ 1,935,903	$ 1,779	$ 78,539	$ 616,774	$ 50,115	$ 18,181	$ 5,901,649
Cost:									
At January 1, 2020	$ 770,963	$ 1,569,824	$ 1,484,847	$ 1,818	$ 63,119	$ 709,680	$ 46,326	$ 233,416	$ 4,879,993
Acquisition through business combination	-	-	-	-	-	-	-	-	-
Additions	-	1,088	63,267	-	9,281	12,222	778	413,716	500,352
Disposals	-	-	(39,651)	-	(9,615)	(137,145)	(1,554)	-	(187,965)
Transfer	-	-	107,624	-	738	50,249	-	(572)	158,039
Effect of movements in exchange rate	-	(790)	(19,310)	(52)	(98)	-	(781)	(4)	(21,035)
At December 31, 2020	$ 770,963	$ 1,570,122	$ 1,596,777	$ 1,766	$ 63,425	$ 635,006	$ 44,769	$ 646,556	$ 5,329,384
Accumulated depreciation and impairment：									
At January 1, 2021	$ -	$ 491,064	$ 1,120,336	$ 457	$ 38,839	$ 433,167	$ 42,092	$ -	$ 2,125,955
Acquisition through business combination	-	-	35,291	-	1,393	-	4,513	-	41,197
Additions	-	77,590	188,114	338	13,230	77,430	1,172	-	357,874
Disposals	-	(15,190)	(40,606)	-	(3,961)	(92,451)	(3,300)	-	(155,508)
Transfer	-	-	(924)	-	-	-	-	-	(924)
Effect of movements in exchange rate	-	42	1,584	5	(351)	-	(684)	-	596
At December 31, 2021	$ -	$ 553,506	$ 1,303,795	$ 800	$ 49,150	$ 418,146	$ 43,793	$ -	$ 2,369,190
Accumulated depreciation and impairment：									
At January 1, 2020	$ -	$ 421,928	$ 969,447	$ 124	$ 35,263	$ 477,630	$ 41,658	$ -	$ 1,946,050
Acquisition through business combination	-	-	-	-	-	-	-	-	-
Additions	-	69,271	204,039	342	13,384	92,682	2,698	-	382,416
Disposals	-	-	(38,594)	-	(9,549)	(137,145)	(1,554)	-	(186,842)
Transfer	-	-	-	-	-	-	-	-	-
Effect of movements in exchange rate	-	(135)	(14,556)	(9)	(259)	-	(710)	-	(15,669)
At December 31, 2020	$ -	$ 491,064	$ 1,120,336	$ 457	$ 38,839	$ 433,167	$ 42,092	$ -	$ 2,125,955
Book value									
At December 31, 2021	$ 770,963	$ 1,875,889	$ 632,108	$ 979	$ 29,389	$ 198,628	$ 6,322	$ 18,181	$ 3,532,459
At December 31, 2020	$ 770,963	$ 1,079,058	$ 476,441	$ 1,309	$ 24,586	$ 201,839	$ 2,677	$ 646,556	$ 3,203,429

B. The Group signed the contract with the non-related party about the new construction of Zhubei third factory at Zhubei City Tai Ho Section, in September and October 2019. The total contract amount was NT$724,000 thousand. The building ownership certificate has been obtained in 2021 for the new plant, and various projects which recognized to “House and Building” have been accepted after completion.

C. Guarantee

For details about the secured bank loan and facility as for December 31, 2021 and 2020, please see Note 8.

D. For the capitalized interest, please see Note 6(18) B Financial cost.

(7) Right-of-use assets and Lease liabilities

A. Leasing arrangements－lessee

(a) The Group leases various assets including land, buildings, machinery and equipment, business vehicles. Rental contracts are typically made for periods within 1 to 20 years. Lease terms are negotiated on an individual basis and contain a wide range of different terms and conditions. The lease agreements do not impose covenants, but leased assets may not be used as security for borrowing purposes.

(b) The carrying amount of right-of-use assets and the depreciation charge are as follows:

	December 31, 2021	Jan 1~Dec 31, 2021	December 31, 2020	Jan 1~Dec 31, 2020
	Book value	Depreciation charge	Book value	Depreciation charge
Land	$ 22,685	$ 8,689	$ 31,703	$ 9,823
Buildings	81,551	40,970	24,983	51,168
Machinery and equipment	—	—	—	15,553
Transportation (Business vehicles)	56,051	29,356	54,742	25,998
Total	$ 160,287	$ 79,015	$ 111,428	$ 102,542

(c) For the 2021 and 2020, the additions to right-of-use assets were NT$133,181 thousand and NT$71,480 thousand respectively.

(d) The information on income and expense accounts relating to lease contracts is as follows:

	Jan 1~Dec 31, 2021	Jan 1~Dec 31, 2020
Items affecting profit or loss		
Interest expense on lease liabilities	$ 2,780	$ 3,767
Expense on short-term lease contracts	$ 2,128	$ 3,708
Gains(losses) on lease modification	$ 410	$ 173

(e) For the 2021 and 2020, the Group’s total cash outflow for leases were NT$81,092 thousand and NT$109,404 thousand respectively.

(f) The Group adopts the practical expedient of “Covid-19-related rent concessions”, and recognized the profit of changes in lease payments as other gains resulting from the rent concessions for the 2021and 2020 are NT$479 thousand and NT$488 thousand.

B. Lease liabilities

	December 31,2021	December 31,2020
Current	$ 59,883	$ 54,879
Noncurrent	101,708	58,018
Total	$ 161,591	$ 112,897

(a) Please refer to Note 6(18) B. for the interest expense of lease liabilities.

(b) The Group calculated the present value of lease liabilities by using the weighted average incremental borrowing interest rate range from 1.38%~4.5% and 1.38%~4.5% as of 2021 and 2020.

C. Leasing arrangements – lessor

(a) The Group leases various assets including part of office buildings and plant. Rental contracts are typically made for periods within 1 to 20 years. Lease terms are negotiated on an individual basis and contain a wide range of different terms and conditions. To protect the lessor's ownership rights on the leased assets, leased assets may not be used as security for borrowing purposes.

(b) For the 2021 and 2020, the Group recognized rent income in the amount of NT$10,924 thousand and NT$9,456 thousand, based on the operating lease agreement, which does not include variable lease payments.

(8) Intangible assets

The costs of intangible assets, amortization, and the impairment loss of the Group as of and for the ended of December 31, 2021 and 2020 were as follows:

2021	Computer software	Goodwill	Patent	Others	Total
January 1, 2021	$ 42,546	$ –	$ –	$ –	$ 42,546
Additions - acquired separately	18,985	–	–	–	18,985
Additions - acquired through business combinations	2,540	198,424	23,111	11,194	235,269
Reclassification	–	–	–	–	–
Amortization expenses	(41,158)	–	(649)	(585)	(42,392)
Impairment	–	–	–	–	–
Exchange difference, net	(11)	(646)	(133)	(63)	(853)
December 31, 2021	$ 22,902	$ 197,778	$ 22,329	$ 10,546	$ 253,555

2020	Computer software	Goodwill	Patent	Others	Total
January 1, 2020	$ 34,803	$ –	$ –	$ –	$ 34,803
Additions - acquired separately	48,376	–	–	–	48,376
Additions - acquired through business combinations	–	–	–	–	–
Reclassification	–	–	–	–	–
Amortization expenses	(40,625)	–	–	–	(40,625)
Impairment	–	–	–	–	–
Exchange difference, net	(8)	–	–	–	(8)
December 31, 2020	$ 42,546	$ –	$ –	$ –	$ 42,546

Goodwill

	December 31, 2021	December 31, 2020
Goodwill-Celadon	$ 197,778	$ –
Goodwill-Allstron	45,533	45,533
Accumulated impairment -Allstron	(45,533)	(45,533)
Net book value	$ 197,778	$ –

A. Recognized amortization and impairment

The amortization expenses for intangible assets and other deferred expenses (stated as other non-current assets) 2021 and 2020, respectively, were stated as the following items in the comprehensive income statement:

	2021	2020
Operating cost	$ 15,695	$ 23,614
Operating expense	44,066	40,117
Total amortization expenses	$ 59,761	$ 63,731

B. R&D expenditure

In FY2021 and FY2020, the R&D spending deriving from intangible assets internally developed amounted to NT$744,766 thousand and NT$682,471 thousand, respectively, recognized under the title of “Operating expenses – R&D expenses” in the comprehensive income statement.

C. Goodwill Impairment - Allstron

Upon the discussion of the management and report to the Board of Directors in 2016, the Group has, according to the forecasted cash flow of the subsidiary of the Group – Allstron Probing Solution, recognized the difference between the investment cost of the original investment day and the net equity value in the goodwill impairment loss with a value of NT$45,533 thousand on December 2016.

D. Goodwill Impairment Evaluation - Celadon

The Group acquired Celadon Systems, Inc. which generated goodwill of NT$197,778 thousand. Impairment assessment of goodwill is allocated to the Celadon’s CGU. The recoverable amount of the CGU relating to the goodwill arising from acquisition of Celadon was determined based on value-in-use calculation. The calculation uses projected cash flows and owner-specific synergies based on financial budgets for the next five-year period.

Management determined budgeted gross margin based on past performance and their expectations of market development. The weighted average growth rates used are consistent with the projection included in industry reports. Cash flows and owner-specific synergies beyond the five-year period are extrapolated using the estimated growth rates. As of December 31, 2021, discount rate is 14.50%~19.06%.

Based on previous assessment, there is no impairment loss on goodwill as of December 31, 2021.

E. Please refer Note 6(21) for details of the mergers and acquisitions.

(9) Other non-current assets

	December 31, 2021		December 31, 2020	
Prepayments for equipment	$	64,699	$	160,420
Refundable deposit		81,016		77,984
Deferred Charges		32,356		21,909
Other financial assets-non-current		11,491		—
Total	$	189,562	$	260,313

A. About the refundable deposit for 2021 as follows:

Some of the former employees of the group were being prosecuted for stealing the trade secret of the group to WinWay Technology Co., Ltd. They were prosecuted by the Hsinchu District Prosecutors Office and the criminal justices were currently judged by Taiwan Hsinchu District Court.

The group was asking for civil compensation from the defendants. For the case, the group applied for provisional seizure and deposited the guarantee amount of NT$57,550 thousand to Intellectual Property and Commercial Court and Taiwan Hsinchu District Court. After the preliminary investigation, there were still a large number of exhibits waiting for identification. The civil justices were currently judged by Taiwan High Court and the Supreme Court.

The above cases have no significant impact on the group's financial condition and operating result. On the position of protecting fair competition and intellectual property rights, the group had engaged the attorney to prosecute the civil and criminal legal liability.

Till December 31, 2021 and December 31, 2020, the Group has deposited the guarantee of processing fee NT$57,550 thousand and NT$53,500 thousand.

B. The costs of Deferred Charges, amortization, and the impairment loss of the Group as of and for the ended of December 31, 2021 and 2020 were as follows:

	Deferred Charges			Deferred Charges	
January 1, 2021	$	21,909	**January 1, 2020**	$	39,165
Addition		26,001	Addition		6,207
Reclassification		—	Reclassification		—
Amortization expenses		(17,369)	Amortization expenses		(23,106)
Reclassifications		1,770	Reclassifications		—
Impairment		—	Impairment		—
Exchange difference, net		45	Exchange difference, net		(357)
December 31, 2021	$	32,356	**December 31, 2020**	$	21,909

C. The other non-current financial assets are mainly restricted bank deposits and repatriated offshore fund. Please refer to Note 8 for details of the pledge and guarantee.

(10) Short-term loan

Nature	December 31, 2021 Amounts	December 31, 2021 Interest rates	December 31, 2020 Amounts	December 31, 2020 Interest rates
Credit loan	$ —	—	$ —	—
Secured borrowings	100,000	0.75%	—	—
Total	$ 100,000		$ —	

A. For the information about exposure of the Group's interest rate and liquidity risks, please refer to Note 12(2).

B. Pledged assets for bank loan

For bank loans secured by the Group's assets, please refer to Note 8.

(11) Other accounts payable

	December 31, 2021	December 31, 2020
Expenses payable	$ 728,258	$ 672,772
Employees' remuneration payable	74,148	76,677
Short-term employee benefits	49,649	20,745
Others (less than 5%)	44,408	25,557
Total	$ 896,463	$ 795,751

(12) Reserve for liabilities

	Warranty		Warranty
At January 1, 2021	$ 10,493	At January 1, 2020	$ 6,572
Increase (decrease)	4,146	Increase (decrease)	3,921
At December 31, 2021	$ 14,639	At December 31, 2020	$ 10,493
Current	$ 11,955	Current	$ 10,493
Non-current	2,684	Non-current	—
At December 31, 2021	$ 14,639	At December 31, 2020	$ 10,493

The Group's reserve for warranty and liabilities in 2021 and 2020 was primarily related to the sale of semi-conductor production process and testing equipments. The reserve for warranty and liabilities was estimated based on the historical warranty information.

(13) Corporate bonds-payable

	December 31, 2021	December 31, 2020
4th domestic unsecured convertible bonds	$ 1,000,000	$ 1,000,000
Bonds transferred to common stock	(953,500)	(821,600)
Less：Convertible corporate bonds repayment due	—	—
Less：Buy back from open market	(36,700)	(36,700)
Less：Discount of bonds payable	(264)	(6,124)
Corporate bonds-payable, net	$ 9,536	$ 135,576
Current	$ 9,536	$ 135,576
Non-current	—	—
Total	$ 9,536	$ 135,576

Embedded derivative-Financial (Assets) liability	$ (68)	$ (1,289)
Equity element	$ 687	$ 9,936

A. In order to repayment of bank loan, the Company issued 4th domestic unsecured convertible corporate bonds upon resolution of the board of directors on May 7, 2018, and upon approval of FSC via its approval letter under Ching-Kuan-Chen-Fa-Tze No. 1070325999 dated July 26, 2018. The issuance conditions are stated as following:

(a) Total issued amount: The Company issued NT$1,000,000 thousand of convertible bonds, each bond had a face value of NT$100 thousand; issued at 100.1% of the face value, a total of 10 thousand copies were issued.

(b) Duration: 5 years (August 15, 2018~ August 15, 2023)

(c) Coupon rate: 0%

(d) Duration: The day following expiration of three month after the date of issuance (November 16, 2018) until the expiry date (August 15, 2023).

(e) Conversion price and adjustment thereof:

Ⓐ The conversion price at the time of issuance shall be NT$71.50 per share.

Ⓑ In the case of changes in shares of common stock (e.g. capital increase in cash, recapitalization of earnings and recapitalization from capital surplus, et al.); the conversion price shall be adjusted relatively.

Ⓒ The Company's board of directors resolved on August 7, 2019 to authorize the Chairman to issue 4th domestic unsecured convertible corporate bonds. According to Article 11 of the Company's Regulations Governing Issuance and Conversion of 4th Domestic Unsecured Convertible Corporate Bonds, where the cash dividend of common stock to the market price per share is more than 1.5%, the conversion price shall be cut based on the cash dividend to the market price per share on the ex-dividend date. Upon verification, as of September 10, 2019, the Company's 4th domestic unsecured convertible corporate bonds shall be adjusted as NT$69.2 per share.

Ⓓ The Company's board of directors resolved on July 10, 2020 to authorize the Chairman to issue 4th domestic unsecured convertible corporate bonds. According to Article 11 of the Company's Regulations Governing Issuance and Conversion of 4th Domestic Unsecured Convertible Corporate Bonds, where the cash dividend of common stock to the market price per share is more than 1.5%, the conversion price shall be cut based on the cash dividend to the market price per share on the ex-dividend date. Upon verification, as of July 26, 2020, the Company's 4th domestic unsecured convertible corporate bonds shall be adjusted as NT$67.4 per share.

Ⓔ The Company's board of directors reported on July 14, 2021 about the issuance of the 4th domestic unsecured convertible corporate bonds. According to Article 11 of the Company's Regulations Governing Issuance and Conversion of 4th Domestic Unsecured Convertible Corporate Bonds, where the cash dividend of common stock to the market price per share is more than 1.5%, the conversion price shall be cut based on the cash dividend to the market price per share on the ex-dividend date. Upon verification, as of July 18, 2021, the Company's 4th domestic unsecured convertible corporate bonds shall be adjusted as NT$65.10 per share.

(f) Bondholders' put option:

The bondholders may exercise the put option of the convertible bonds earlier on the record date for exercise of put option, namely, August 15, 2021 and August 15, 2022, upon expiration of three years and four years after issuance of the bonds. The bondholders may ask the Company to redeem the convertible bonds at 100% of the book value thereof in cash within 40 days prior to the record date for exercise of put option.

(g) The Company's right of redemption:

Ⓐ From the date following expiration of three month upon offering of the bonds (November 16, 2018) until 40 days prior to expiration of the duration (July 6, 2023), if the closing price of the Company's common shares at Taipei Exchange exceeds the current conversion price by more than 30% for 30 consecutive business days, the Company may exercise the call option to repurchase the bonds from the bondholders at the book value thereof in cash.

Ⓑ From the date following expiration of three month upon offering of the bonds (November 16, 2018) until 40 days prior to expiration of the duration (July 6, 2023), if the balance of the outstanding bonds is less than 10% of the initial total issue price, the Company may exercise the call option to repurchase the bonds from the bondholders at the book value thereof in cash.

(h) Date and method of repayment of principal:

Except those converted to the Company’s common stock by the bondholders according to the Regulations, or those redeemed upon exercise of the put option, or those redeemed by the Company earlier pursuant to the Regulations, or those repurchased by the Company from securities firms for cancellation, the others would be repaid in cash in full amount upon maturity.

B. (a) For the whole 2020, the accumulation of the 4th domestic unsecured conversion of corporate bonds had been issued 12,121,471 shares with face value of NT$817,600 thousand, and recognized NT$707,291 thousand as Capital Surplus-Additional Paid-In Capital-Bond Conversion.

Till the December 31, 2020, the accumulation of the 4th domestic unsecured conversion of corporate bonds had been issued 12,178,809 shares with face value of NT$821,600 thousand, and recognized NT$710,756 thousand as Capital Surplus-Additional Paid-In Capital-Bond Conversion.

(b) For the whole 2021, the accumulation of the 4th domestic unsecured conversion of corporate bonds had been issued 1,993,575 shares with face value of NT$131,900 thousand, and recognized NT$115,466 thousand as Capital Surplus-Additional Paid-In Capital-Bond Conversion.

Till the December 31, 2021, the accumulation of the 4th domestic unsecured conversion of corporate bonds had been issued 14,172,384 shares with face value of NT$953,500 thousand, and recognized NT$826,223 thousand as Capital Surplus-Additional Paid-In Capital-Bond Conversion.

C. The Company analyzed the 4th domestic unsecured convertible corporate bonds according to IFRS No.7 and identified the bonds as the compound financial instruments. Therefore, the Company separated the conversion option from liabilities and stated it into equity and liability respectively. The information about convertible corporate bonds in the financial statements is stated as following:

	August 15, 2018 **(Issuing date)**
Total issuing amount of convertible corporate bond	$ 1,001,000
Cost of convertible corporate bond	(5,381)
Elements of equity at the time of issuance - conversion option	(70,124)
Embedded financial derivatives at the time of issuance	(6,400)
Corporate bond payable, net on the issuing date	$ 919,095

The elements of equity were stated into capital surplus-stock option at the time of issuance. At the time of issuance, the fair value of embedded non-equity derivative was re-evaluated at the end of every month, which was stated into the “from financial assets and liabilities at fair value through profit or loss ".

The effective interest rate of the 4th unsecured convertible bonds after host contracts separation is 1.6885%.

D. (a) Financial assets and liabilities profit (loss) measured at fair value through profit or loss of the Group from January to December 31, 2021 and 2020 were NT$(241) thousand and NT$7,855 thousand.

(b) The Group recognized interest expense of convertible bonds were NT$1,094 thousand and NT$10,446 thousand at 2021 and 2020.

E. (a) For the ended December 31, 2020, the 4th unsecured convertible bonds in the amount of NT$36,700 thousand were repurchased by the company from open market, buy back price is NT$34,832 thousand that is shared to liabilities and equity with difference between book value, is recognized as form treasury stock transaction NT$387 thousand.

(b) For the ended December 31, 2021, the 4th unsecured convertible bonds in the amount of NT$36,700 thousand were repurchased by the company from open market, buy back price is NT$34,832 thousand that is shared to liabilities and equity with difference between book value, is recognized as form treasury stock transaction NT$387 thousand.

(14) Long-term Loans

Lender	Nature	Limit	Period	December 31, 2021
Chang Hwa Bank - Chengnei Branch	Secured bank borrowings	$ 1,134,880	2019/11/08~2029/10/15	$ 579,200
Chang Hwa Bank - Chengnei Branch	Secured bank borrowings	$ 1,134,880	2020/09/23~2027/09/23	320,000
Chang Hwa Bank - Chengnei Branch	Secured bank borrowings	$ 1,134,880	2021/11/09~2031/10/15	235,680
BMO Harris Bank	Secured bank borrowings (note)	USD 405,000	2021/10/21~2024/10/21	10,618
Less: Long-term Loans payable-current portion				(10,605)
Long-term Loans, net				$ 1,134,893
Interest rates for long-term loans				0.63%~3.50%

Lender	Nature	Amount	Period	December 31, 2020
Chang Hwa Bank - Chengnei Branch	Secured bank borrowings	$ 1,134,880	2019/11/08~2029/10/15	$ 443,797
Chang Hwa Bank - Chengnei Branch	Secured bank borrowings	$ 1,134,880	2020/09/23~2027/09/23	320,000
Less: Long-term Loans payable-current portion				—
Long-term Loans, net				$ 763,797
Interest rates for long-term loans				0.63%~0.88%

(Note) The subsidiary of the Group – Celadon Systems Inc., obtained a long-term loan and the loan is secured by company assets.

A. For the information about exposure of the Group's interest rate and liquidity risks, please refer to Note 12(2).

B. Pledged assets for bank loan

For bank loans secured by the Group’s assets, please refer to Note 8.

(15) Pension Benefits

A. Defined benefit plan

(a) The Company and its domestic subsidiaries have instituted regulations for the defined pension plan under the “Labor Standards Law” applicable to the years of services of employees before July 1, 2005, which is the day that the new “Labor Pension Act” came into full force, and the following years of services of employees who choose to continue applying the Labor Standard Law upon enforcement of the Labor Pension Act. Employees who meet the retirement requirements will be paid the pension based on their years of service and average salary or wage of the last six months prior to retirement. Two units are accrued for each year of service for the first 15 years and one unit is accrued for each additional year thereafter, up to a maximum of 45 units. The Company and its domestic subsidiaries contribute 2% of the total salaries of the employees to the special pension fund account with Bank of Taiwan supervised by the Employee Pension Fund Reserve Supervisory Committee. Until the end of December 31, 2021, the balance of the pension funds contributed to the special pension fund account at Bank of Taiwan was NT$94,315 thousand.

(b) The amount recognized in the balance sheet is stated as following:

	December 31, 2021	December 31, 2020
Present value of defined benefit obligation	$ 114,352	$ 119,299
Fair value of planned assets	(94,315)	(103,278)
Net defined benefit liability	$ 20,037	$ 16,021

(c) Changes in the present value of defined benefit obligation:

	2021	2020
Present value of defined benefit obligation, January 1	$ 119,299	$ 110,040
Service cost in current period	172	172
Interest cost	1,074	1,210
Amount allocated by Labor Standards Act article 56 item 2	2,231	-
Actuarial loss/gain		
Benefit payment-from planned assets	3,791	3,085
Actuarial loss (gain) from changes of financial hypotheses	1,737	4,846
Empirical adjustment	(13,952)	(54)
Present value of defined benefit obligation, December 31	$ 114,352	$ 119,299

(d) Changes in fair value of planned assets:

	2021	2020
Fair value of planned assets, January 1	$ 103,278	$ 77,272
Interest revenue	946	870
Return (loss) on remuneration of planned assets	582	2,169
Contribution by employer	3,461	23,021
Benefit payment-from planned assets	(13,952)	(54)
Fair value of planned assets, December 31	$ 94,315	$ 103,278

(e) Total expenses recognized in comprehensive income statement:

	2021	2020
Service cost in current period	$ 172	$ 172
Interest cost of defined benefit obligation	1,074	1,210
Interest revenue from planned assets	(946)	(870)
Amount allocated by Labor Standards Act article 56 item 2	2,231	-
Defined benefit cost stated into income	$ 2,531	$ 512

(f) The Bank of Taiwan was commissioned to manage the Fund of the Company’s and its domestic subsidiaries' defined benefit pension plan in accordance with the Fund’s annual investment and utilization plan and Article 6 of the “Regulations for Revenues, Expenditures, Safeguard and Utilization of the Labor Retirement Fund” (The scope of utilization for the Fund includes deposit in domestic or foreign financial institutions, investment in domestic or foreign listed, over-the-counter, or private placement equity securities, investment in domestic or foreign real estate securitization products, etc.). With regard to the utilization of the Fund, its minimum earnings in the annual distributions on the final financial statements shall be no less than the earnings attainable from the amounts accrued from two-year time deposits with the interest rates offered by local banks. Any deficits thereof shall be made up by the national treasury upon approval of the competent authority. As the Company was not entitled to participate in operation and management of the Fund, it was impossible for the Company to disclose the classification of fair value of the planned assets in accordance with Paragraph 142 of Article 19 of IAS. For the fair value of the total assets under the Fund on December 31, 2021 and 2020, please see the labor pension fund utilization report published by the government each year.

(g) Actuarial hypotheses about pension are summarized as following: (expressed under weighted average method)

	2021	**2020**
Discount rate	0.65%	0.90%
Future salary and benefit level	2.25%~2.75%	2.25%~2.75%

Until December 31, 2021, the weighted average duration of the pension plan has been 9.8 years.

(h) Analysis of sensitivity

In the calculation of the determined welfare obligation, the Group must make use of judgment and estimate to determine relevant actuarial assumption on the reporting date, including the discount rate and update of future salary. Any changes in the actuarial hypotheses might materially affect the value of the Group’s defined benefit obligation materially.

(i) The variance in the estimation of the Group's discount rate and future salary level increase rate from the management will affect the book value of pension benefit obligation in the following manners:

	Discount rate		Future raise rate	
	Increase by 0.25%	**Decrease by 0.25%**	**Increase by 1.00%**	**Decrease by 1.00%**
December 31, 2021				
Effect on defined benefit obligation %	(3.32%)	3.49%	13.26%	(13.96%)
Amount of effect on defined benefit obligation	$ (3,791)	$ 3,991	$ 15,165	$ (15,963)
December 31, 2020				
Effect on defined benefit obligation %	(3.02%) ~ (3.25%)	3.14% ~3.39%	13.07% ~14.36%	(11.50%) ~ (12.32%)
Amount of effect on defined benefit obligation	$ (3,845)	$ 4,009	$ 16,949	$ (14,582)

Said analysis of sensitivity refers to the analysis of the effect produced by any change of single hypothesis under the circumstance that the other hypotheses remain unchanged. In practice, a lot of changes in hypotheses might be linked with each other. The analysis of sensitivity adopted the same method used for calculation of net pension liability on the balance sheet.

The methods and hypotheses used by the analysis of sensitivity prepared in the current period are identical with those used in the previous period.

(j) Expected contributions to the defined benefit pension plans of the Group for the next annual reporting period as at December 31, 2021 is NT$3,429 thousand.

B. Defined contribution plans

(a) As of July 1, 2005, the Company and domestic subsidiaries instituted the defined contribution retirement plan according to the "Labor Pension Act", applicable to the native employees. The Group shall contribute the amount equivalent to 6% of the monthly salary of respective native employees to the individual pension accounts of the employees at Labor Insurance Bureau, with respect to the labor pension system under the "Labor Pension Act" chosen by employees. Retired employees may claim for pension disbursement in accordance with the status of their individual accounts and the cumulative contribution in the account through monthly payment or in lump sum.

(b) Foreign subsidiaries shall contribute specific ratio of the local employees' total salary, on a monthly basis, as the pension or fund of endowment insurance according to the local government regulations. The pension of each employee shall be arranged and managed by government. Except that the subsidiaries shall be obligated to contribute the fund on a monthly basis, the subsidiaries shall bear no other obligations.

(c) The pension expenses recognized under the Group's defined contributed pension regulations were NT$73,548 thousand and NT$59,207 thousand in 2021 and 2020.

(d) The subsidiary of the Group – Chain-Logic International Corp. had paid the pension of NT$5,226 thousand to the employees who meet the retirement requirement of labor retirement reserve fund in July 16, 2021.

(16) Equity

A. The Company's outstanding common stock at beginning and ending is reconciled as follows:

Unit：Share

	2021	2020
Balance , beginning	92,080,197	79,958,726
Convertible Bonds Transferred To Common Stock	1,993,575	12,121,471
Balance , ending	94,073,772	92,080,197

B. Capital surplus

(a) Pursuant to the R.O.C. Company Law amended in January 2012, capital surplus shall be first used to offset a deficit and then new shares or cash may be allocated based on realized capital surplus subject to shareholdings. Realized capital surplus referred to in the preceding paragraph included the surplus generated from donations and the excess of the issuance price over the par value of capital stock. According to the Regulations Governing the Offering and Issuance of Securities by Securities Issuers, the capital surplus may be transferred to common stock up to an annual limit of 10% of the paid-in capital.

(b) The balance of the Company's capital surplus:

	December 31, 2021	December 31, 2020
May be used to offset a deficit, distributed as cash dividends, or transferred to share capital (Note1)		
Common stock premium	$ 210,163	$ 210,163
Convertible corporate bond conversion premium	1,420,163	1,304,697
Treasury Stock Transactions	58,623	58,623
May be used to offset a deficit only (Note2)		
Donation from shareholders	1	1
Invalidated employee shareholding pledging	27,005	27,005
Such capital surplus may not be used for any purpose		
Others-issuance of new shares due to acquisition of shares of another company	19,858	19,858
Stock option (Elements of equity of convertible corporate bonds)	687	9,936
Total	$ 1,736,500	$ 1,630,283

(Note1) Such capital surplus may be used to offset a deficit; in addition, when the Company has no deficit, such capital surplus may be distributed as cash dividends or transferred to share capital.

(Note2) Such type of capital reserve pertains to bequeathing to the accepting shareholders without cash inflow or reclassification of invalidated employee shareholding pledging.

Ⓐ The company issued the first, second and third Domestic unsecured convertible corporate bonds; The company recognized NT$593,941 thousand as paid-in capital in excess of par-common stock and treasury stock transaction NT$8,477 thousand.

Ⓑ The 3rd domestic unsecured conversion of corporate bonds pay off convertible corporate bonds at expiry, in addition to bondholders with converting right not requesting for the conversion to be invalidated, the initially classified “capital reserve – shareholding pledging” balance at NT$27,005 thousand is reclassified as “capital reserve – invalidated shareholding pledging” item.

Ⓒ The group issued last time Domestic unsecured convertible corporate bonds; The company recognized NT$49,759 thousand as paid-in capital in excess of par-common stock.

Ⓓ The Company received the shareholders' waiver of equity and 8 shares were transferred to the Company in June 2013. According to laws, the equity acquired by the Company upon receipt of the shareholders' waiver of the same shall be held as treasury stock and stated at the fair value of the stock on the same day, credited into capital surplus-donation from shareholders, NT$1 thousand.

Ⓔ The Company issued new shares and swapped the equity with the subsidiary, Chain-Logic International Corp. on June 15, 2002. The Company's shareholding is 100%. The difference between the investment cost and net worth of the acquired equity was NT$19,858 thousand on the date of investment, stated as capital surplus-others.

C. Retained earnings

(a) According to the company laws amended in May 2015, employee remuneration and remuneration to directors/supervisors shall not be allocated from earnings any longer. The Company has had the amended Articles of Incorporation resolved and approved by the board of directors on June 16, 2016. Therefore, if the Company has a profit at the year’s final accounting, it shall first pay profit-seeking enterprise income tax and make up any losses from past years, and then make contribution of 10% of the balance to the statutory reserve, unless the statutory reserve reaches the amount of the Company paid-in capital, and also make provision/reversal of special reserves pursuant to laws. The residual balance shall be added to undistributed earnings carried from previous years. The Board shall draft a motion for allocation of the residual balance plus the undistributed earnings, and submit the same to a shareholders' meeting to resolve whether shareholder bonus shall be allocated or the earnings shall be retained.

(b) The shareholders' meeting resolved to amend the Company Act of Incorporation as following on June 17, 2011: For the time being, the Company's industrial development is still growing, the dividend policy requires that the board of directors shall draft the motion for allocation of earnings each year and submit the same to a shareholders' meeting for ratification, subject to the Company's present and future investment environments, funding demand, status of competition domestically/overseas and capital budget and by taking care of shareholders' interest, balanced stock dividend and the Company's long-term financial planning into consideration. The earnings will be allocated in the form of cash dividend or stock dividend, subject to the funding demand and level of dilution of EPS. The cash dividend to be allocated, if any, shall be no less than 10% of the total stock dividend.

(c) Legal reserve

According to the Company Law amended in January 2012, the Company shall contribute 10% from the income after tax as the legal reserve until it is equivalent to the gross capital. When the Company suffers no loss, new shares or cash may be allocated from the legal reserve upon resolution of the shareholders' meeting, provided that the new shares or cash allocated shall be no more than 25% of the paid-in capital.

(d) Special reserve

Following a company's adoption of the TIFRS for the preparation of its financial reports, when distributing distributable earnings, it shall set aside to special reserve based on the difference between the amount already set aside and the total debit balance of other shareholders' equity. For any subsequent reversal of other net deductions from shareholders' equity, the amount reversed may be distributed.

(e) The appropriations of 2020 and 2019 earnings had been approved by the shareholders during their meeting on August 18, 2021 and June 15, 2020. Details are summarized below:

	2020		**2019**	
	Amount	Dividends per share (in dollars)	Amount	Dividends per share (in dollars)
Legal reserve	$ 70,873		$ 43,426	
Special reserve	10,757		14,248	
Cash dividends	415,716	4.50	199,897	2.50

(f) The information about allocation of retained earning approved by the Board of Directors and resolved by a shareholders' meeting may be viewed at the "MOPS".

D. Treasury stock：None.

E. Share-based payment－employee compensation plan

As of December 31, 2021, information on outstanding ESO is shown below: None.

(17) Operating Income

A. Operating income

	2021	2020
Revenue from contracts with customers		
Sales revenue	$ 6,128,042	$ 5,703,860
Processing Fees revenue	376,681	219,029
Others		
Commission revenue	4,002	2,712
Lease revenue	—	—
Total	$ 6,508,725	$ 5,925,601

B. Contract assets and contract liabilities

The Group recognized the contract assets and contract liabilities of the revenue from contracts with customers as following:

(a) Contract assets: None.

(b) Contract liabilities as following:

	December 31, 2021	December 31, 2020
Contract liability-current		
Sales revenue received in advance	$ 677,836	$ 677,524
Total	$ 677,836	$ 677,524

Revenue of the contract liabilities recognized in the beginning:

	2021	2020
At January 1		
Revenue recognized in this period		
Sales revenue received in advance transfer to revenue	$ 466,200	$ 671,877
Total	$ 466,200	$ 671,877

(18) Non-operating Income And Expenses

A. Other gains and losses, net

	2021	2020
Gains (losses) on disposal of property, plant and equipment	$ -	$ 1
Losses on obsolescence of property, plant and equipment	(13,323)	(11)
Net gains (losses) on financial assets/liabilities at fair value through profit or loss	(241)	7,855
Net currency exchange gains (losses)	(11,497)	(49,226)
Gains(losses) on lease modification	410	173
Others	(452)	(3,016)
Total	$ (25,103)	$ (44,224)

B. Financial cost

	2021	2020
Interest expenses		
Bank loan	$ 6,729	$ 5,875
Imputed interest from deposit	3	1
Convertible corporate bond	1,094	10,446
Lease liabilities	2,780	3,767
Subtotal	10,606	20,089
Less: capitalized interest	(3,807)	(3,780)
Total	$ 6,799	$ 16,309
Capitalized interest rate	0.63%~1.10%	0.63%~1.45%

C. Interest income

	2021	2020
Interest income from bank deposits	$ 5,435	$ 4,691
Imputed interest from deposit	123	169
Total	$ 5,558	$ 4,860

(19) Income Tax

A. The Group's income tax expenses (gains) are specified as following:

	2021	2020
Current tax:		
Current tax on profits for the period	$ 143,304	$ 120,694
Income tax on repatriated offshore funds	729	-
Adjustments in respect of prior years	(2,642)	(988)
Total current tax	141,391	119,706
Deferred tax:		
Origination and reversal of temporary differences	(8,107)	10,788
Impact of change in tax rate	-	-
Total deferred tax	(8,107)	10,788
Income tax expense	$ 133,284	$ 130,494

B. The Group recognized Income tax expenses in other comprehensive income are NT$ 0 start from January to December, at 2021 and 2020.

C. The **Group** income tax expenses recognized under the title of equity are NT$0 start from January to December, at 2021 and 2020.

D. Relations between income tax expenses (gains) and accounting profit

	2021	2020
Net profit (loss) before tax	$ 828,742	$ 844,715
Income tax on net profit (loss) before tax calculated at the domestic tax rate applicable in the place where the Company is situated	$ 165,748	$ 168,943
Tax rate difference effect in foreign jurisdiction	15,688	7,150
Income tax effect included into the items that shall not be recognized pursuant to tax laws	12,440	(9,931)
Income tax on repatriated offshore funds	729	-
Income tax effect on deferred income tax assets/liabilities	(8,107)	10,788
Changes of foreign exchange rate of deferred income tax assets/liabilities	-	-
Unrecognized deferred income tax assets	12	9
Tax-free income	-	-
Maximum foreign-tax deduction	-	-
Income tax effect on investment credit	(50,584)	(45,477)
Imposition of 10% income tax on undistributed earnings	-	-
Income tax effect under minimum tax system	-	-
Overestimated (underestimated) income tax in previous year	(2,642)	(988)
Impact of change in tax rate	-	-
Total	$ 133,284	$ 130,494

E. Deferred income tax assets and liabilities

(a) Recognized deferred income tax assets and liabilities

	2021				
Deferred income tax assets	**January 1**	**Recognized in income statement**	**Recognized in other comprehensive income**	**Exchange difference**	**December 31**
Temporary difference					
Unrealized inventory devaluation and obsolescence losses	$ 61,623	$ 14,881			$ 76,504
Realized net investment income (foreign)	19,081	5,506			24,587
Unrealized exchange loss	5,055	(4,235)			820
Unrealized warranty cost	2,099	829			2,928
Unrealized impairment loss	9,107	-			9,107
Unrealized gain on inter-affiliate accounts	5,248	294			5,542
Tax difference on depreciation expenses	15,947	(10,421)		$ 78	5,604
Employee services and benefits amortized by year	20	(20)			-
Total	$ 118,180	$ 6,834		$ 78	$ 125,092

Deferred income tax liabilities					
Temporary difference					
Unrealized exchange gain	$ (1,510)	$ 913			$ (597)
Unrealized net investment income (foreign)	(1,118)	1,118			-
Recognition of pension expenses (deficit)	(9,566)	(758)			(10,324)
Total	$ (12,194)	$ 1,273			$ (10,921)

	2020				
	January1	Recognized in income statement	Recognized in other comprehensive income	Exchange difference	December31
Deferred income tax assets					
Temporary difference					
Unrealized inventory devaluation and obsolescence losses	$ 62,155	$ (532)			$ 61,623
Realized net investment income (foreign)	18,094	987			19,081
Unrealized exchange loss	5,783	(728)			5,055
Unrealized warranty cost	1,349	750			2,099
Unrealized impairment loss	9,107	-			9,107
Expected Credit (loss) gains	936	(936)			-
Unrealized gain on inter-affiliate accounts	7,975	(2,727)			5,248
Tax difference on depreciation expenses	18,733	(2,281)		$ (505)	15,947
Recognition of pension expenses (excess)	119	(119)			-
Employee services and benefits amortized by year	40	(20)			20
Total	$ 124,291	$ (5,606)		$ (505)	$ 118,180
Deferred income tax liabilities					
Temporary difference					
Unrealized exchange gain	$ (680)	$ (830)			$ (1,510)
Unrealized net investment income (foreign)	(1,146)	28			(1,118)
Recognition of pension expenses (deficit)	(5,186)	(4,380)			(9,566)
Total	$ (7,012)	$ (5,182)			$ (12,194)

(b) Unrecognized deferred income tax assets

The information of the amount for which no deferred income tax assets have been recognized were as follows:

	December 31, 2021	December 31, 2020
Unused tax loss carry-forward	$ 16,967	$ 23,631
Deductible temporary differences	7,722	2,950
Total	24,689	26,581

(c) Unrecognized deferred income tax liabilities：None.

F. The investment credit tax on deferred income tax assets which has been recognized by the Company before December 31, 2021 shall be credited by the following deadline:

Item	**Total credit**	**Deducted amount**	**Credited balance in current period**	**Balance to be credited**	**Last year of credit**
R&D expenditure (projected) in 2021	$ 61,559	$ －	$ 50,584	$ －	(non-deferred)
	$ 61,559	$ －	$ 50,584	$ －	

(Note) According to the "Regulations Governing Investment Credit Applicable to a Company's R&D Expenditure" promulgated on November 8, 2010, the tax credit shall be no more than 30% of the income tax payable in the year and prohibited from being deferred until next year.

G. Authorization of income tax:

	Year
MPI Corporation	2019
Chain-Logic International Corp.	2019
Allstron Corp	2019

H. Under the amendments to the Income Tax Act which was promulgated in February 7, 2018, the Company's applicable income tax rate was 20% effective from January 1, 2018. The Company has accessed the impact of the change in income tax rate. Besides, the tax rate of undistributed earnings in 2018 was 5%.

(20) Earnings Per Common Share

A. Basic EPS

The basic EPS is calculated based on the income vested in the Company's common stock holders dividing by the weighted average number of outstanding common stock.

B. Diluted EPS

The diluted EPS is calculated upon adjustment of the effect of all potential diluted common stocks based on the income vested in the common stock holders and the weighted average number of outstanding common stock.

C. The Company's basic EPS and diluted EPS are calculated as follows:

	2021			2020		
	Amount after tax	Weighted average number of outstanding common stock (thousand shares)	EPS (NT$)	Amount after tax	Weighted average number of outstanding common stock (thousand shares)	EPS (NT$)
Basic EPS						
Net profit attributed to the Company's common stock shareholders	$ 693,851	93,280	$ 7.44	$714,482	84,987	$ 8.41
Diluted EPS						
Net profit attributed to the Company's common stock shareholders	$ 693,851	93,280		$714,482	84,987	
Effect of all potential diluted common stocks						
4th domestic unsecured convertible corporate bond	—	150		-	2,102	
Employee stock bonus	—	610		-	657	
Net profit attributed to the Company's common stock shareholders plus effect of potential common stocks	$ 693,851	94,040	$ 7.38	$714,482	87,746	$ 8.14

For the details about capital increase, please see Note 6(16).

(21) Business combinations - acquisition of subsidiaries

A. On September 2021, for the business development strategy, the Group has acquired 100% of the share capital of Celadon Systems Inc. (hereinafter referred to as the "Celadon") for US$10,200,000 (equivalent to NT$283,471 thousand) and obtained the control over Celadon. The main operating activities of Celadon are selling and manufacturing the Probe Cards, Test systems and High-Performance Cables and it's main customers are semiconductor manufacturers and semiconductor equipment distributors. The Group has expected the acquisition will enhance the competitive advantages of the Group's engineering probe cards and equipment, and expand the market business scale.

B. The following table summarizes the consideration paid for Celadon and the fair values of the assets acquired and liabilities assumed at the acquisition date, as well as the acquisition date:

		Acquisition Date September 9, 2021
Purchase consideration		
Cash paid	$	283,471
Fair value of the identifiable assets acquired and liabilities assumed		
Cash and cash equivalent	$	10,911
Accounts Receivables		25,568
Inventories		15,710
Prepayments		1,664
Property , plant and equipment		18,279
Right-of-use asset		16,512
Identifiable intangible assets-software		2,540
Identifiable intangible assets-patent and others		34,305
Short-term and long-term loans		(11,361)
Contract liability		(1,792)
Account payable		(2,644)
Other payables		(8,133)
Lease liability		(16,512)
Total identifiable net assets	$	85,047
Goodwill	$	198,424

The fair value of the assets and liabilities of Celadon (excluding identifiable intangible assets-patent and others) were according to the book value as of September 9, 2021 audited by public accountant. The fair value was the optimum expectation at acquisition date.

The gross contractual amounts of accounts receivable totaled NT$26,347 thousand, of which NT$779 thousand was expected to be uncollectible at the acquisition date.

The Group has hired expert for the valuation of fair value of the identifiable intangible assets. The Group received the purchase price allocation report in January 2022 which indicated that the fair value of identifiable intangible assets (including patent, intangible asset from lease and client base) of Celadon at the date of acquisition was NT$34,305 thousand.

The comparative figures have been restated as if the initial accounting was completed at the acquisition date. The balance of the items on the consolidated balance sheets before and after the adjustments are the following:

	Acquisition Date (Provisional Amount)		Acquisition Date (Fair Value)	
Accounts receivable	$	26,347	$	25,568
Inventories	$	19,326	$	15,710
Identifiable intangible assets-patent	$	-	$	23,111
Identifiable intangible assets-others	$	-	$	11,194
Account payable	$	3,873	$	2,644
Other payable	$	6,774	$	8,133
Goodwill	$	228,204	$	198,424

The Group will continue to review the above matters during the measurement period. The fair value of the identifiable assets acquired and liabilities assumed is provisional pending receipt of the final valuations for those assets and liabilities. If obtained new information that the adjustment of the above provisional amount or additional provision on acquisition date within one year of the acquisition date, would revise the accounting program of acquisition.

The goodwill is attributable mainly from expanding the U.S market and the business scope and creating momentum for operational growth to the Group by merging Celadon. It will enhance the competitive advantage of the Group's products, provide completing solution services to the customers and expand the scale of the U.S market etc, as well as the synergies expected to be achieved from integrating business.

C. The operating revenue included in the consolidated statement of comprehensive income since September 9, 2021, contributed by Celadon was NT$57,915 thousand Celadon also contributed profit before income tax of NT$6,015 thousand over the same period. Had Celadon been consolidated from January 1, 2021, the consolidated statement of comprehensive income would show operating revenue of NT$169,366 thousand and profit before income tax of NT$(34,547) thousand.

(22) <u>Employee benefits, depreciation, depletion and amortization expenses are summarized as follow</u>

Function / Nature	2021			2020		
	Operation cost	Operation expense	Total	Operation cost	Operation expense	Total
Employee benefit expense						
Wages and salaries	1,139,924	940,317	2,080,241	1,038,516	859,191	1,897,707
Labor and health insurance expense (Note 1)	78,417	68,637	147,054	61,481	54,931	116,412
Pension costs (Note 1)	40,935	40,370	81,305	32,703	27,016	59,719
Director remuneration	—	17,762	17,762	—	18,469	18,469
Other personnel expense (Note 2)	121,790	34,677	156,467	107,345	29,128	136,473
Depreciation expenses	300,053	136,836	436,889	355,477	129,481	484,958
Depletion expenses	—	—	—	—	—	—
Amortization expenses	15,695	44,066	59,761	23,614	40,117	63,731

(Note1) In response to Covid-19, the government of mainland China has implemented to reduce the social insurance. Pension costs were be exempted from February to December 2020, and Labor and health insurance expense were be halved from February to June 2020.

(Note2) The other personnel expenses including food stipend, overtime pay and employee benefits.

A. According to the Company's existing articles of incorporation, the Company shall allocate remuneration to employees and remuneration to directors/supervisors when allocating the earnings.

B. The Company has approved the motion for amendments to the Articles of Incorporation on June 15, 2020:

   If the Company retains income before tax after the account settlement, it shall allocate 0.1%~15% thereof as the remuneration to employees, and not be higher than 3% thereof as the remuneration to directors. However, profits must first be taken to offset against cumulative losses, if any. The remainder, if any, shall be allocated as the remuneration to employees and directors on a pro rata basis as referred to in the preceding paragraph.

   The allocation of remuneration to employees and directors shall be resolved and approved by a majority of the directors present at a directors' meeting attended by more than two-thirds of the whole directors, and reported to a shareholders' meeting.

   Employees' remuneration may be paid in the form of stock or in cash, and can be paid to employees of affiliated companies that satisfy certain criteria.

C. The Company has approved the motion for amendments to the Articles of Incorporation on June 12, 2018:

   If the Company retains income before tax after the account settlement, it shall allocate 0.1%~15% thereof as the remuneration to employees, and not be higher than 3% thereof as the remuneration to directors/supervisors. However, profits must first be taken to offset against cumulative losses, if any. The remainder, if any, shall be allocated as the remuneration to employees and directors/supervisors on a pro rata basis as referred to in the preceding paragraph.

   The allocation of remuneration to employees and directors/supervisors shall be resolved and approved by a majority of the directors present at a directors' meeting attended by more than two-thirds of the whole directors, and reported to a shareholders' meeting.

   Employees' remuneration may be paid in the form of stock or in cash, and can be paid to employees of affiliated companies that satisfy certain criteria.

D. The Company estimated the remuneration to employees was NT$71,048 thousand and NT$73,877 thousand, respectively, in 2021 and 2020, and the remuneration to directors NT$17,762 thousand and NT$18,469 thousand. Said values were stated into salary expenses. The values were estimated based on the earnings gained until the current period (this year).

E. The remuneration to employees and directors 2020 resolved to be allocated at the shareholders' meeting on August 18, 2021 by the Board of Directors meeting were NT$73,877 thousand and NT$18,469 thousand, respectively, identical with that recognized in the financial statement 2020, and the remuneration to employees will be paid in cash. The remuneration will be paid after the amended Articles of Incorporation is resolved at the general shareholders' meeting 2021.

F. The remuneration to employees and directors/supervisors 2019 resolved to be allocated at the shareholders' meeting on June 15, 2020 by the Board of Directors meeting were NT$43,950 thousand and NT$9,920 thousand, respectively, identical with that recognized in the financial statement 2019, and the remuneration to employees will be paid in cash. The remuneration will be paid after the general shareholders' meeting 2020.

G. The information about remuneration to employees and remuneration to directors/supervisors approved by the Board of Directors and resolved by a shareholders' meeting may be viewed at the "MOPS".

(23) <u>Supplemental cash flow information</u>

A. Investing activities paid in cash in part only:

	2021	2020
Purchase of fixed assets	$ 689,483	$ 658,393
Add: opening balance of payable on equipment	133,660	65,720
Less: ending balance of payable on equipment	(61,003)	(133,660)
Cash paid during the period	$ 762,140	$ 590,453

B. Financing activities not affecting cash flow:

	2021	2020
Convertible bonds being converted to capital stocks	$ 19,936	$ 121,215

7. <u>Transactions with related parties</u>

(1) <u>Parent company and ultimate controller</u>

The Company is the ultimate controller of the Group.

(2) <u>The names and relationship of related parties</u>: None.

(3) <u>Important transactions with related parties</u>

The balance and transaction between the Company and its subsidiaries have been derecognized from the consolidated financial statements and were not disclosed accordingly. There was no transaction between the Group and other related parties for the year ended December 31, 2021 and 2020.

(4) Information about remuneration to the management

Information about remuneration to the Group's management is stated as follows:

	2021	2020
Salary and other short-term employee benefits	$ 11,004	$ 11,568
Resignation benefits	-	-
Retirement benefits	-	-
Other long-term benefits	-	-
Total	$ 11,004	$ 11,568

Said remuneration to the management is decided by the Remuneration Committee subject to personal performance and market trend. For the relevant information, please see the annual report of the general shareholders' meeting.

8. Pledged assets

The following assets have been provided to the Group to pledge for bank loans, import business tax, sale commitment, notes payable, payment commitment and repatriated offshore funds. The book value thereof is stated as follows:

	December 31, 2021	December 31, 2020
Land	$ 770,963	$ 770,963
Buildings	1,556,371	823,491
Pledged bank deposit (stated as other current assets)	13,920	21,546
Other non-current financial assets (stated as other non-current assets)	11,491	—
Total	$ 2,352,745	$ 1,616,000

9. Significant contingent liability and unrecognized contractual commitment

(1) Contingency: None.

(2) Commitment

A. Balance of unused letter of credit issued by the Group, guarantee money paid and service charges: None.

B. The outstanding capital expenditure amount under the purchase orders signed is stated as following:

	December 31, 2021	December 31, 2020
Purchases of property, plant and equipment	$ 17,955	$ 130,976

10. Significant disaster loss: None.

11. Significant subsequent events: None.

12. Others

(1) Capital management

The Group's capital management objective is intended to protect the Group's continued operation and ensure maintenance of well-founded credit ratings and optimal capital structure to reduce capital cost, in order to support the enterprise's operation and maximization of shareholders' return. The Group manages and adjusts the capital structure subject to the economic condition. The Group might adjust the stock dividend to be paid, refund of capital, issuance of new shares or realization of assets to reduce liabilities, in order to maintain and adjust the capital structure.

The Group controls its capital structure based on the debt/equity ratio. Said ratio is net liabilities dividing by the net worth. The Group maintained the same strategy in 2021 as that in 2020, dedicated to maintaining the debt/equity ratio less than 50%~100%. The Company's debt ratios on December 31, 2021, and 2020 are stated as follows:

	December 31, 2021	December 31, 2020
Total liabilities	$ 3,809,667	$ 3,327,674
Total net worth	6,047,802	5,648,918
Debt/equity ratio	63%	59%

(2) Financial instruments by category

A. The financial instruments of the group are stated as follows:

(a) Financial assets: Including financial assets measured at fair value through profit, financial assets at fair value through other comprehensive income, financial assets at amortized cost, cash and cash equivalents, notes receivable, accounts receivable, other receivables, guarantee deposits paid and other financial assets.

(b) Financial liabilities: Including financial liabilities measured at fair value through profit, short-term loans, notes payable, accounts payable, other payables, lease liabilities, bonds payable(including current portion), long-term borrowings(including current portion), guarantee deposits received and other financial liabilities.

B. Risk management policies

(a) The Group's financial risk management aims to manage the market risk, credit risk and liquidity risk related to operating activities, and to identify measure and administer said risks based on policies and risk preference.

(b) The Group has established adequate policies, procedures and internal controls pursuant to the related regulations, in order to manage said financial risk. The important financial activities shall be audited and approved by the board of directors according to the related regulations and internal control system. In the duration of financial management activities, the Group shall strictly comply with the requirements related to financial risk management defined by the Company.

C. Significant financial risks and degrees of financial risks

(a) Market risk

The Group's market risk arises from market price fluctuation resulting in fluctuation of the fair value or cash flow of financial instruments. The market risk primarily includes foreign exchange risk, interest rate risk and other pricing risks.

Practically, few single risk variances would change independently. Additionally, changes of various risk variances are generally correlative to each other. Notwithstanding, the sensitivity analysis of the following risks does not take the interaction of related risk variances into consideration.

Ⓐ Foreign exchange risk

The Group operates internationally and is exposed to exchange rate risk arising from the transactions of the Company and its subsidiaries used in various functional currency, primarily with respect to the USD and RMB. Exchange rate risk arises from future commercial transactions and recognized assets.

The Group's receivable accounts denominated in foreign currency are identical with payable accounts denominated in foreign currency in some currencies and, therefore, the equivalent positions would produce the hedging effect naturally. Considering that said natural hedging did not meet the hedging accounting policy, the Group did not adopt the hedging accounting policy. Further, the net investment in foreign operations was identified as strategic investment. Therefore, the Company did not adopt any hedging policy against it.

The sensitivity analysis on the Company's foreign exchange risk was primarily intended to be conducted against the titles in foreign currencies at the end of the financial reporting and the effect produced by the revaluation/devaluation of related foreign currencies on the Group's income and equity. The Group's foreign exchange risk arises primarily from fluctuation in the foreign exchange rate of USD, Japanese Yen, Euro and RMB.

The Group's business lines involved some non-functional currencies (the functional currency of the Company and some of its subsidiaries was NTD, and that of some subsidiaries is USD, RMB or WON). Therefore, the Company would be subject to the effect produced by fluctuation in foreign exchange rate. The information about assets denominated in foreign currency exposed to significant effect produced by fluctuation in foreign exchange rate is stated as follows:

December 31,2021

	Currency unit	Amount in foreign currency (thousand dollars)	Applicable foreign exchange rate, ending (Dollar)	Book value (NTD) (thousand dollars)
Financial assets	NTD/USD	$ 29,112	27.642	$ 804,719
	NTD/JPY	$ 17,336	0.24012	$ 4,163
	NTD/EUR	$ 1,757	31.216	$ 54,840
	NTD/RMB	$ 120,194	4.3230	$ 519,597
	NTD/KRW	$ 5,188	0.02350	$ 122
	NTD/HKD	$ 12	3.495	$ 41
	NTD/SGD	$ 20	20.335	$ 416
	NTD/MYR	$ 13	6.355	$ 81
	NTD/GBP	$ 255	37.27485	$ 9,509
	NTD/INR	$ 10	0.3665	$ 4
	NTD/PHP	$ 91	0.5353	$ 49
Financial liabilities	NTD/USD	$ 2,506	27.759	$ 69,570
	NTD/JPY	$ 112,968	0.2421	$ 27,344
	NTD/EUR	$ 512	31.494	$ 16,140
	NTD/RMB	$ 871	4.371	$ 3,805
	NTD/GBP	$ 6	37.4755	$ 237

December 31,2020

	Currency unit	Amount in foreign currency (thousand dollars)	Applicable foreign exchange rate, ending (Dollar)	Book value (NTD) (thousand dollars)
Financial assets	NTD/USD	$ 25,995	28.078	$ 729,897
	NTD/JPY	$ 1,025	0.27314	$ 280
	NTD/EUR	$ 1,619	34.512	$ 55,890
	NTD/RMB	$ 98,459	4.2947	$ 422,854
	NTD/KRW	$ 5,188	0.02644	$ 137
	NTD/HKD	$ 12	3.619	$ 43
	NTD/SGD	$ 6	21.409	$ 135
	NTD/MYR	$ 16	6.7895	$ 108
	NTD/GBP	$ 91	38.34776	$ 3,478
	NTD/INR	$ 10	0.3807	$ 4
	NTD/PHP	$ 91	0.5861	$ 53
Financial liabilities	NTD/USD	$ 5,345	28.257	$ 151,028
	NTD/JPY	$ 30,875	0.2745	$ 8,474
	NTD/EUR	$ 627	34.738	$ 21,791
	NTD/RMB	$ 1,721	4.341	$ 7,471
	NTD/GBP	$ 1	38.54	$ 8

In consideration of the Group's multiple functional currency types, the information about exchange gain or loss for currency is disclosed by summarization. The foreign currency exchange gain (loss) (including the realized and unrealized) was NT$(11,497) thousand and NT$(49,226) thousand in 2021 and 2020.

Ⓑ Cash flow and fair value interest rate risk

The interest rate risk arises when the fluctuation of market interest rate results in fluctuation in fair value of financial instruments or in future cash flow. The Group's interest rate risk arises primarily from the loan with floating interest rate.

The Group maintained adequate portfolio with fixed and floating interest rates to manage the interest rate risk.

Ⓒ Equity price risk

Equity securities held by the Group are susceptible to price risk arising from uncertainties about future values of the investment securities. The Group manages the equity price risk through placing limits on individual and total equity instruments. Reports on equity portfolio are submitted to the Group’s senior management on a regular basis. The Board of Directors shall review all equity investment decisions and approve where appropriate.

For the years ended December 31, 2021 and 2020, the sensitivity analyses for the changes in the securities price at the reporting date were performed using the same basis for the profit and loss with all other variable factors remaining constant as illustrated below:

	December 31,2021		December 31, 2020	
Prices of securities at the reporting date	**Sensitivity of Profit of Loss**	**Sensitivity of other comprehensive income**	**Sensitivity of Profit of Loss**	**Sensitivity of other comprehensive income**
Increasing 1%	$ -	$ 1,680	$ -	$ -
Decreasing 1%	$ -	$ (1,610)	$ -	$ -

Ⓓ Other risks over market value

In addition to meeting expected consumption and sale needs, the Group did not sign any product contract which did not apply net settlement.

Ⓔ Under the circumstance that all of the other factors remained unchanged, the sensitivity analysis on the changes in related risks before tax on December 31, 2021 and 2020 is stated as following:

December 31,2021		
Primary risk	**Range of change**	**Sensitivity of income**
Foreign exchange risk risk	Fluctuation in foreign exchange rate+/- 3%	+/-38,293 thousand
Interest rate risk	Loan with floating interest rate +/- 0.25%	+/-3,114 thousand

December 31, 2020		
Primary risk	**Range of change**	**Sensitivity of income**
Foreign exchange risk risk	Fluctuation in foreign exchange rate+/- 3%	+/-30,723 thousand
Interest rate risk	Loan with floating interest rate +/- 0.25%	+/-1,909 thousand

(b) Credit risk

Ⓐ Credit risk refers to the risk of financial loss to the Group arising from default by the clients or counterparties of financial instruments on the contract obligations. The main factor is that counterparties could not repay in full the accounts receivable based on the agreed terms, and the contract cash flows of debt instruments stated at amortized cost, at fair value through profit or loss and at fair value through other comprehensive income.

Ⓑ The group set up the management of credit risk by group perspective. According to the loan policy expressly defined internally in the Group, each business dept. Within the Group shall conduct the management and credit risk analysis on each new customer before setting payment and proposing the delivery terms and conditions. The internal risk control evaluates customers' credit quality by taking into consideration the customers' financial position, and past experience and other factors. The individual risk limit is set by the management according to the internal or external ratings. The management will also control the periodic drawdown of credit limits. The main credit risk results from derivative financial instruments and the balance deposited in banks and financial organizations, and customers’ credit risk, including the unearned accounts receivable and undertaken transactions. The Group also applied some credit enhancement instruments (e.g. advance sale receipts) in a timely manner to reduce customers' credit risk.

Ⓒ For the year ended December 31, 2021 and 2020, no circumstances resulting in excess of the credit limit have taken place. Meanwhile, the management expects no material loss resulting from trading counterpart’s failure to perform contract.

Ⓓ The Group's Finance Dept. Manage the credit risk over the deposits in banks and other financial instruments according to the Group's policy. The Group’s trading counterparts were decided by the internal control procedure, who were trustworthy banks and corporations which were not expected to breach the contracts. Therefore, there should be no significant credit risk.

Ⓔ Guarantee

According to the Group's policy, the Group may only make financial guarantee for the subsidiaries wholly owned by the Group. Before December 31, 2021 and 2020, the Group has never made any endorsements/guarantees.

Ⓕ The Group adopts following assumptions under IFRS 9 to assess whether there has been a significant increase in credit risk on that instrument since initial recognition:

If the contract payments were past due based on the terms, there has been a significant increase in credit risk on that instrument since initial recognition.

Ⓖ The Group in line with credit risk management procedure, when the counterparty of transaction has financial difficulties, business accidents, restrictions on the acceptance of orders due to legal restrictions, refunds of company bills and any factors (such as fires, earthquakes and natural disasters). A default is considered to have occurred in the event that the possibility of recovering the receivable is very low, the default has occurred.

Ⓗ The Group classifies customer's notes receivable, accounts receivable, contract assets and rents receivable in accordance with geographic area, product types, credit rating of customer, collaterals, credit risk on trade and customer types. The Group applies the modified approach using provision matrix to estimate expected credit loss under the provision matrix basis.

Ⓘ The Group wrote-off the financial assets, which cannot be reasonably expected to be recovered, after initiating recourse procedures. However, the Group will continue executing the recourse procedures to secure their rights.

Ⓙ The Group used the foreseeable of Taiwan Institute of Economic Research boom observation report to adjust historical and timely information to assess the loss allowance of notes receivable and accounts receivable. The group use provision matrix to estimate expected credit loss under the provision matrix basis. The provision matrix basis based on historical default rates observed during the lifetime of accounts receivable to adjust. On each reporting day, the Group updated the observed historical default rates and analyzed changes. On December 31, 2021 and 2020, the group expected credit loss rate during the lifetime is stated as follow:

	Notes Receivable	Accounts Receivable					
	Dishonoured check	Without past due	1~90 days	91 to 180 days	181 to 360 days	1 to 2 years	More than 2 year
Expected loss rate	100%	0%	7%	15%	25%	50%	100%

Ⓚ The Group grants the loan period varying based on the evaluation on each trading customer, generally O/A 90 days or 150 days. For the information about the changes of loss allowances provided for the Group's impairment on receivable accounts and account age analysis on loans, please see Note 6(3) and Note 6(4).

(c) Liquidity risk

Ⓐ The liquidity risk arises when the Group fails to deliver cash or other financial assets to repay financial liabilities and to perform the related obligation. The Group managed the liquidity in a manner ensuring that the Company has sufficient working fund to repay matured liabilities under the general and critical circumstances, so as to avoid unacceptable loss or impairment on the Group's goodwill.

Ⓑ The Group's will call the management meeting periodically to assist Financial Accounting Dept. Control the need for cash flow and the optimal investment return in cash. Generally, the Group will ensure that it has sufficient cash to meet the need for expected operating expenditure for 90 days, including performance of financial obligation, but excluding the potential effect which it is impossible to expect reasonably under extreme circumstances, e.g. natural calamity. The unused limit of the Group's loan totaled NT$2,013,384 thousand on December 31, 2021.

Ⓒ The following table refers to the non-derivative financial liabilities and grouped subject to the relevant expiry dates. The non-derivative financial liabilities are analyzed based on the residual period from the date of balance sheet until the expiry date. Nevertheless, the Group did not hold derivative financial liabilities.

Non-derivative financial liabilities	December 31,2021 Within 1 year	1~2 years	More than 2 years	Total
Short-term loan	$ 100,000	$ -	$ -	$ 100,000
Payable accounts (including related party)	562,199	-	-	562,199
Other payable accounts (including related party)	957,466	-	-	957,466
Lease liabilities (note)	59,883	40,480	61,228	161,591
Long-term loan (including the current portion)	10,605	107,497	1,027,396	1,145,498
Corporate bond payable	9,536	-	-	9,536
Total	$ 1,699,689	$ 147,977	$ 1,088,624	$ 2,936,290

Non-derivative financial liabilities	December 31, 2020 Within 1 year	1~2 years	More than 2 years	Total
Short-term loan	$ -	$ -	$ -	$ -
Payable accounts (including related party)	541,195	-	-	541,195
Other payable accounts (including related party)	929,411	-	-	929,411
Lease liabilities (note)	54,879	30,584	27,434	112,897
Long-term loan (including the current portion)	-	-	763,797	763,797
Corporate bond payable	135,576	-	-	135,576
Total	$ 1,661,061	$ 30,584	$ 791,231	$ 2,482,876

<Note>

Lease payments are low-value asset leases or short-term leases that are exempt from recognition of lease liabilities. If lease payment are significant, it should be disclose the maturity analysis of the contractual cash flow amounts.

(3) Fair value information

A. The different levels that the inputs to valuation techniques are used to measure fair value of financial and non-financial instruments have been defined as follows:

Ⓐ Level 1: Quoted prices (unadjusted) in active markets for identical assets or liabilities that the entity can access at the measurement date. A market is regarded as active where a market in which transactions for the asset or liability takes place with sufficient frequency and volume to provide pricing information on an ongoing basis.

Ⓑ Level 2: Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly. The fair value of the Group’s investment in Equity instruments- Stock in domestic listed company through private placement, financial products and corporate bonds is included in Level 2.

Ⓒ Level 3: Unobservable inputs for the asset or liability.

B. Financial instruments not measured at fair value

Ⓐ Except for those listed in the table below, the carrying amounts of cash and cash equivalents, notes receivable, accounts receivable, other receivables, Pledged Deposit, bank loan , notes payable, accounts payable and other payables are approximate to their fair values.

	December 31, 2021			
		Fair value		
	Book value	Level 1	Level 2	Level 3
Financial assets	-	-	-	-
Financial liabilities				
Bonds payable (including current portion)	$ 9,536	—	$ 9,536	—

	December 31, 2020			
		Fair value		
	Book value	Level 1	Level 2	Level3
Financial assets	-	-	-	-
Financial liabilities				
Bonds payable (including current portion)	$ 135,576	-	$135,576	-

ⒷThe methods and assumptions of fair value estimate are as follows:

Corporate bond payable: The cash flow expected to be paid is measured by the present value discounted of the market interest rate on the balance sheet date.

C. The related information of financial and non-financial instruments measured at fair value by level on the basis of the nature, characteristics and risks of the assets and liabilities are as follows:

ⒶThe Group measured at fair value by level on the basis of the assets and liabilities:

	December 31, 2021			
		Fair value		
	Book value	**Level 1**	**Level 2**	**Level 3**
Assets				
Recurring fair value measurements				
Financial assets at fair value through profit or loss-current convertible bonds option	$ 68	-	$ 68	-
Financial assets at fair value through other comprehensive income-Noncurrent items				
Equity instruments -Stock in domestic listed company through private placement	166,460	-	166,460	-
Non-recurring fair value measurements	-	-	-	-

Liabilities				
Recurring fair value measurements	-	-	-	-

	December 31, 2020			
		Fair value		
	Book value	**Level 1**	**Level 2**	**Level 3**
Assets				
Recurring fair value measurements				
Financial assets at fair value through profit or loss－current convertible bonds option	$ 1,289	-	$ 1,289	-
Financial assets at fair value through other comprehensive income-Noncurrent items				
Equity instruments -Stock in domestic listed company through private placement	-	-	-	-
Non-recurring fair value measurements	-	-	-	-
Liabilities				
Recurring fair value measurements	-	-	-	-

Ⓑ The methods and assumptions of fair value estimate are as follows:

Convertible bonds option

Valuation techniques and inputs applied for Level 2 fair value measurement

Financial instruments	Instruments and inputs
Convertible bonds option	Binomial tree valuation model： Evaluated by the observable of duration, conversion price, volatility, risk-free interest rate, risk discount rate, and liquidity risk at the balance sheet date.

Equity instruments- Stock in domestic listed company through private placement

Valuation techniques and inputs applied for Level 2 fair value measurement

Financial instruments	Instruments and inputs
Equity instruments -Stock in domestic listed company through private placement	Black-Scholes valuation model： Observing the parameters at the end of the period, such as restriction period, stock price, strike price, volatility, and risk-free interest rate, estimate the put value and liquidity discount to obtain the fair value of the privately placed common stock.

D. There were no transfer between **Level** 1 and **Level** 2 for the year ended December 31, 2021 and 2020.

(4) Assessment of impact of COVID-19

The Group's business operation has taken the impact of COVID-19 into consideration. As a result, production of some of the Group's factories came to a halt. As of December 31, 2021, all factories have resumed operations, and do not cause any default risk. Additionally, although the Group's sales orders from certain areas have declined because of the said pandemic, the Group's overall business and financial position were not significantly impacted based on the Group's assessment

13. Supplementary Disclosures

(1) Significant transactions information

According to the Regulations Governing the Preparation of Financial Reports by Securities Issuers, the Group shall also disclose the information about important transactions:

No.	Contents	January~ December 2021
1	Loans to others	N/A
2	Endorsement/guarantees made for others	N/A
3	Marketable securities-ending	Attached table 1
4	Cumulative amount of the same marketable securities purchased or sold reaching 300 million NTD or more than 20% of the paid-in capital in the current period.	Attached table 2
5	Acquisition amount of real estate reaching 300 million NTD or more than 20% of the Paid-in capital.	N/A
6	Amount on disposal of real estate reaching 300 million NTD or more than 20% of the Paid-in capital.	N/A
7	Amount on purchase from and sale to related parties reaching 100 million NTD or more than 20% of the Paid-in capital.	N/A
8	Accounts receivable-related party reaching 100 million NTD or more than 20% of the Paid-in capital.	N/A
9	Transactions of derivative instruments.	N/A
10	Business relationship and important transactions between parent company and subsidiaries.	Attached table 3

Attached table 1：Holding of marketable securities (not including subsidiaries, associates and joint ventures)

Securities held by	Marketable Securities	Relationship with the securities issuer	Financial Statement Account	Ending Balance				Note
				Number of shares (In thousand shares or thousand units)	Book Value	Percentage of Ownership (%)	Fair Value	
MPI	Private equity of domestic listed company – Spirox Corporation	–	Note 1	7,000	$166,460	5.90%	$166,460	–

Note 1：Financial Statement Account：Financial assets at fair value through other comprehensive income - non-current.

Attached table 2：Acquisition or sale of the same security with the accumulated cost reaching NT$300 million or 20% of paid-in capital or more

Investor	Marketable Securities	Financial Statement Account	Counterparty	Relationship	Beginning Balance		Acquisition		Disposal				Ending Balance	
					Shares	Amount	Shares	Amount	Shares	Amount	Book value	Gain/Loss on Disposal	Shares	Amount
MPI America Inc.	Celadon Systems, Inc.	Note 1	Bryan Root, Valerie Leach Root	–	–	–	1,000	USD 10,200,000 (equivalent to NT$283,471 thousand)	–	–	–	–	1,000	USD 10,200,000 (equivalent to NT$283,471 thousand)

Note 1 ：Financial Statement Account：Investments accounted for using equity method.

Attached table 3：Business relationship and important transactions between parent company and subsidiaries

a. 2021

No. (Note 1)	Trader	Trading counterpart	Affiliation with trader (Note 2)	Status of transaction			
				Title	Amount	Trading terms and conditions	To consolidated operating revenue or total assets (Note 3)
0	MPI Corporation	Chain-Logic International Corp.	1	Sales revenue	$ 91,148	Note 4	1%
				Receivable accounts	$ 29,792	Note 6	-
				Advance sale receipts	$ 62,479	Note 4	1%
				Other receivable accounts	$ 1,058	Note 8	-
				Rent revenue	$ 3,859	Note 7	-
0	MPI Corporation	Lumitek (Changchou) Co. Ltd.	1	Sales revenue	$ 64,197	Note 4	1%
				Receivable accounts	$ 47,741	Note 6	-
				Other revenue accounts	$ 13,028	Note 8	-
				Other receivable	$ 15,334	Note 4	-
0	MPI Corporation	MPI AMERICA INC.	1	Sales revenue	$ 669,046	Note 4	10%
				Receivable accounts	$ 486,453	Note 6	5%
				Advance sale receipts	$ 75,260	Note 4	1%
				Temporary receipts	$ 1,601	Note 6	-
0	MPI Corporation	MPI (SUZHOU) CORPORATION	1	Sales revenue	$ 482,647	Note 4	7%
				Receivable accounts	$ 343,213	Note 6	3%
				Other receivable accounts	$ 22,791	Note 8	-
				Other revenue	$ 24,876	Note 4	-
0	MPI Corporation	MEGTAS CO.,LTD.	1	Sales revenue	$ 7,852	Note 4	-
				Receivable accounts	$ 3,945	Note 6	-
				Other revenue	$ 141	Note 4	-

0	MPI Corporation	Celadon Systems Inc.	1	Sales revenue	$ 33	Note 4	-
				Receivable accounts	$ 33	Note 6	-
1	Chain-Logic International Corp.	MPI Corporation	2	Sales revenue	$ 18,074	Note 4	-
				Receivable accounts	$ 9,536	Note 6	-
				Revenue from commission	$ 40,237	Note 5	1%
				Receivable Commission	$ 20,740	Note 6	-
				Other receivable accounts	$ 146	Note 8	-
				Other revenue	$ 1,655	Note 4	-
1	Chain-Logic International Corp.	Lumitek (Changchou) Co. Ltd.	3	Sales revenue	$ 1,947	Note 4	-
				Receivable accounts	$ 460	Note 6	-
1	Chain-Logic International Corp.	MPI (SUZHOU) CORPORATION	3	Sales revenue	$ 9,313	Note 4	-
				Receivable accounts	$ 4,530	Note 4	-
				Advance sale receipts	$ 743	Note 6	-
1	Chain-Logic International Corp.	MEGTAS CO.,LTD.	3	Revenue from commission	$ 2,571	Note 5	-
				Receivable accounts	$ 1	Note 6	-
1	Chain-Logic International Corp.	MPI AMERICA INC.	3	Sales revenue	$ 497	Note 4	-
				Receivable accounts	$ 496	Note 6	-
2	MEGTAS CO., LTD.	MPI Corporation	3	Sales revenue	$ 29	Note 4	-
				Receivable accounts	$ 28	Note 6	-
2	MEGTAS CO., LTD.	Chain-Logic International Corp.	3	Sales revenue	$ 10,376	Note 4	-
				Receivable accounts	$ 941	Note 6	-
2	MEGTAS CO.,LTD.	MPI (SUZHOU) CORPORATION	3	Sales revenue	$ 5,515	Note 4	-
				Receivable accounts	$ 1,774	Note 6	-
3	MPI (SUZHOU) CORPORATION	MPI Corporation	2	Sales revenue	$ 565	Note 4	-
				Revenue from commission	$ 9,844	Note 5	-
				Receivable Commission	$ 3,478	Note 6	-
3	MPI (SUZHOU) CORPORATION	Chain-Logic International Corp.	3	Sales revenue	$ 1,513	Note 4	-
				Revenue from commission	$ 761	Note 5	-
				Receivable accounts	$ 17	Note 6	-
3	MPI (SUZHOU) CORPORATION	Lumitek (Changchou) Co. Ltd.	3	Sales revenue	$ 309	Note 4	-
				Receivable accounts	$ 350	Note 6	-
4	MPI AMERICA INC.	MPI Corporation	2	Sales revenue	$ 1,263	Note 4	-
				Receivable accounts	$ 768	Note 6	-
				Other revenue	$ 479	Note 4	-
4	MPI AMERICA INC.	Chain-Logic International Corp.	3	Sales revenue	$ 418	Note 4	-

5	Lumitek (Changchou) Co. Ltd.	Chain-Logic International Corp.	3	Other revenue	$ 738	Note 4	-
5	Lumitek (Changchou) Co. Ltd.	MPI (SUZHOU) CORPORATION	3	Sales revenue	$ 63	Note 4	-

b. 2020

No. (Note 1)	Trader	Trading counterpart	Affiliation with trader (Note 2)	Status of transaction			
				Title	Amount	Trading terms and conditions	To consolidated operating revenue or total assets (Note 3)
0	MPI Corporation	Chain-Logic International Corp.	1	Sales revenue	$ 45,974	Note 4	1%
				Receivable accounts	$ 16,429	Note 6	-
				Advance sale receipts	$ 63,697	Note 4	1%
				Other receivable accounts	$ 1,058	Note 8	-
				Rent revenue	$ 3,860	Note 7	-
				Other revenue	$ 6	Note 4	-
0	MPI Corporation	Lumitek (Changchou) Co. Ltd.	1	Sales revenue	$ 23,264	Note 4	-
				Receivable accounts	$ 22,922	Note 6	-
				Other revenue accounts	$ 15,653	Note 8	-
				Other receivable	$ 18,494	Note 4	-
0	MPI Corporation	MPI AMERICA INC.	1	Sales revenue	$ 536,956	Note 4	9%
				Receivable accounts	$ 317,331	Note 6	4%
				Advance sale receipts	$ 28,314	Note 4	-
				Others revenue	$ 4,731	Note 4	-
				Temporary receipts	$ 700	Note 6	-
0	MPI Corporation	MPI (SUZHOU) CORPORATION	1	Sales revenue	$ 324,659	Note 4	5%
				Receivable accounts	$ 278,551	Note 6	3%
				Other receivable accounts	$ 21,642	Note 8	-
				Other revenue	$ 22,436	Note 4	-
1	Chain-Logic International Corp.	MPI Corporation	2	Sales revenue	$ 10,142	Note 4	-
				Receivable accounts	$ 2,552	Note 6	-
				Revenue from commission	$ 35,027	Note 5	1%
				Receivable Commission	$ 12,688	Note 6	-
				Other receivable accounts	$ 132	Note 8	-
				Other revenue	$ 1,864	Note 4	-

1	Chain-Logic International Corp.	Lumitek (Changchou) Co. Ltd.	3	Sales revenue Receivable accounts	$ 1,361 $ 298	Note 4 Note 6	- -
1	Chain-Logic International Corp.	MPI (SUZHOU) CORPORATION	3	Sales revenue Receivable accounts Advance sale receipts	$ 9,992 $ 3,410 $ 159	Note 4 Note 4 Note 6	- - -
1	Chain-Logic International Corp.	MEGTAS CO.,LTD.	3	Revenue from commission	$ 2,258	Note 5	-
2	MEGTAS CO., LTD.	Chain-Logic International Corp.	3	Sales revenue Receivable accounts	$ 4,187 $ 36	Note 4 Note 6	- -
2	MEGTAS CO.,LTD.	MPI (SUZHOU) CORPORATION	3	Sales revenue Receivable accounts	$ 1,900 $ 385	Note 4 Note 6	- -
3	MPI (SUZHOU) CORPORATION	MPI Corporation	2	Sales revenue Revenue from commission Receivable Commission	$ 19 $ 14,466 $ 28	Note 4 Note 5 Note 6	- - -
3	MPI (SUZHOU) CORPORATION	Chain-Logic International Corp.	3	Sales revenue Receivable accounts	$ 954 $ 135	Note 4 Note 6	- -
3	MPI (SUZHOU) CORPORATION	Lumitek (Changchou) Co. Ltd.	3	Sales revenue Receivable accounts	$ 608 $ 669	Note 4 Note 6	- -
4	MPI AMERICA INC.	MPI Corporation	2	Sales revenue Receivable accounts Other revenue	$ 1,067 $ 464 $ 13	Note 4 Note 6 Note 4	- - -
5	Lumitek (Changchou) Co. Ltd.	MPI (SUZHOU) CORPORATION	3	Sales revenue	$ 304	Note 4	-

Note 1: Transactions between parent company and its subsidiaries are numbered as follows:

(1) "0" for parent company.

(2) Each subsidiary is numbered in sequential order starting from 1.

Note 2: Related-party transactions are divided into the three categories as follows (If it refers to the same transaction between parent company and subsidiary or subsidiary and subsidiary, the transaction is not required to be disclosed repeatedly. For example, if the parent company has disclosed any transaction between it and its subsidiary, the subsidiary is not required to disclose the same transaction again. If either of the subsidiaries which trade with each other has disclosed the transaction, the other subsidiary is not required to disclose the same transaction again.)

(1) Parent company to subsidiary.

(2) Subsidiary to parent company.

(3) Subsidiary to subsidiary.

Note 3: For assets and liabilities, the proportion to the consolidated total income or total assets is shown as the Ratio of Shareholding to the consolidated total assets for the years ended on Dec.31. For income, it shall be shown as a Ratio of Shareholding to the consolidated Total incomes for the years ended on Dec 31.

Note 4: Processed under the general trading conditions and price.

Note 5: Based on the price agreed by both parties.

Note 6: O/A 30~180 days, same as that applicable to the general customers or suppliers.

Note 7: Based on the rent agreed by both parties.

Note 8: Out-of-pocket expenses of the general expenditure.

(2) Information on investees

The information about name, territory, business lines, original investment amount, shares held at ending, income and investment income recognized in the current period of the investees in which the Group may exert material influence or control directly or indirectly (exclusive of investees in Mainland China) for the year ended December 31, 2021 is stated as following:

Investor	Investee	Territory	Business lines	Original investment amount		Held at ending			Investee income recognized in current period (Note 1)	Investment income recognized in the current period (Note 2) (Note 3)	Remark
				End of the period	End of last year	Quantity	Ratio	Book value			
MPI Corporation	MPI TRADING CORP.	Offshore Chambers, P.O.BOX 217, APIA,SAMOA	Trading of probe cards and semi-automatic probers	$ 32	$ 32	1,000	100%	$ 56,154	$(1,667)	$(1,667)	Subsidiary of MPI Corporation
MPI Corporation	MMI HOLDING CO.,LTD.	Offshore Chambers, P.O.BOX 217, APIA,SAMOA	Holding company	$ 573,502	$ 573,502	18,267,987	100%	$ 579,718	$ 42,881	$ 42,775	Subsidiary of MPI Corporation
MPI Corporation	MEGTAS CO.,LTD.	134 Gunseo-ri, Jikson-eub, Seobuk-gu, Cheonan, Chungnam,331-811, Korea	Manufacturing, processing and sale of semi-conductor equipment and industrial mechanical spare parts, and manufacturing and sale of pottery and electronic spare parts	$ 53,767	$ 53,767	400,000	80%	$ 37,569	$ 8,039	$ 6,072	Subsidiary of MPI Corporation
MPI Corporation	Chain-Logic International Corp.	3F, No. 153, Zhonghe Street, Zhubei City, Hsinchu County	Professional agent of semi-conductor	$ 50,000	$ 50,000	5,000,000	100%	$ 231,124	$ 37,295	$ 37,300	Subsidiary of MPI Corporation
MPI Corporation	Allstron Corporation	No. 8, Lane 98, Jiaren Street, Neighborhood 36, Xinan Vil., Zhubei City, Hsinchu County	High-frequency wafer measurement probe card manufacturer	$ 50,000	$ 50,000	1,550,000	100%	$ 1,475	$ (61)	$ (61)	Subsidiary of MPI Corporation
MPI Corporation	MPA TRADING CORP.	Vistra (Anguilla) Limited, Vistra Corporate Services Centre, Albert Lake Drive, The Valley, Anguilla, British West Indies.	Holding company	$ 321,352 (Note 5)	$ 37,881	11,450,000	100%	$ 50,934	$ (72,966)	$ (72,966)	Subsidiary of MPI Corporation

Chain-Logic International Corp.	CHAIN-LOGIC TRADING CORP.	Offshore Incorporations (Mauritius) Limited, G.P.O.BOX 365,307 St James Court, St Denis Street, Port Louis, Republic of Mauritius.	Primarily engaged in international trading	$ 3,724	$ 3,724 (Note 4)	100	100%	$ 3	$ (43)	—	Subsidiary of Chain-Logic International Corp.
MPI Corporation	MPI America Inc	2360 QUME DRIVE,SUITE C,SAN JOSE,CA	Trading of probe cards and semi-automatic probers	$ 319,837 (Note5)	$ 36,366	6,300,000	100%	$ 55,324	$ (72,919)	—	Subsidiary of MPA TRADING CORP.
MPI AMERICA INC.	Celadon Systems Inc.	13795 Frontier Ct Burnsville, Minnesota 55337 , USA	Selling and manufacturing of Probe Card , Test Equipment and High-performance cables	$ 283,471 (Note5)	$ —	1,000	100%	$ 283,711	$ 2,640	—	Subsidiary of MPI AMERICA INC.

Note 1: Except MEGTAS CO., LTD., MPI AMERICA INC., and Celadon Systems Inc. which were audited by other external auditors commissioned by it instead of the Company's external auditors. The others were audited by CPA of the parent company.

Note 2: The investment income recognized in the current period includes the investment income recognized under equity method and realized (unrealized) gain recognized from upstream/side stream transactions.

Note 3: The subsidiaries' income recognized in the current period includes the investment income to be recognized for their re-investment pursuant to the requirements.

Note 4: The subsidiary of the Group – CHAIN-LOGIC TRADING CORP. has reduced the cash capital US$1,100,000 (equivalent to NT$34,234 thousand) in July 2019 and US$300,000 (equivalent to NT$8,963 thousand) in January 2020. So far, the Group has invested a total of US$100 in the subsidiary, CHAIN-LOGIC TRADING CORP., totaling 100 shares, at the par value of US$1 per share. The Company's shareholding was 100%.

Note5: For the business development strategy, the Group reinvest the subsidiary – MPI AMERICA INC via the subsidiary – MPA TRADING CORP. (ANGUILLA) to acquired 100% of the share capital of Celadon Systems Inc. by US$10,200,000 (equivalent to NT$283,471 thousand) in September, 2021 and obtained the control over Celadon.

(3) Information on investments in Mainland China

A. Information related to investments in the territories of Mainland China

Name of Chinese investee	Business lines	Paid-in capital	Mode of investment	Accumulated investment balance, beginning	Amount remitted or recovered in the current period		Accumulated investment balance, ending	Investee income recognized in current period	Direct and indirect shareholding of the Company	Investment income recognized in the current period (Note 2)	Book value, ending	Accumulated investment income received until the end of period
					outflow	inflow						
Lumitek (Changzhou) Co. Ltd.	R&D and production of LED semi-conductor LED chips, spare parts of calculators, LED process equipment, and new electronic components; procurement, wholesale, commissioned agency and import/export of electronic materials, electronic components, electronic products, LED process equipment, mechanical equipment and spare parts.	USD 16,000,000 ($ 502,470)	(Note 1)	USD 16,000,000 ($ 502,470)	-	-	USD 16,000,000 ($ 502,470)	$ 67,783	100 %	$ 67,783	$ 557,304	—
MPI (Suzhou) Corporation	R&D and production of LED semi-conductor LED chips, spare parts of calculators, LED process equipment, and new electronic components; procurement, wholesale, commissioned agency and import/export of electronic materials, electronic components, electronic products, LED process equipment, mechanical equipment and spare parts.	USD 2,000,000 ($60,180) Registered capital USD 3,000,000 ($ 90,270)	(Note 1)	USD 2,000,000 ($60,180)	-	-	USD 2,000,000 ($60,180)	$ (24,711)	100 %	$ (24,711)	$ 39,435	—

Note 1: Reinvest the company in Mainland China via the offshore subsidiary, MMI HOLDING CO., LTD.

Note 2: The recognition of investment income was on the basis of the financial statement audited by CPA of the parent company.

B. Information related to ceiling on investment in Mainland China

Accumulated amount of remittance from Taiwan to Mainland China at the end of period	Investment amount approved by the Investment Commission of the Ministry of Economic Affairs	Ceiling on investment in Mainland China imposed by the Investment Commission of the Ministry of Economic Affairs (Note)
USD 18,000,000 (NTD 562,650)	USD 19,410,272.42 (NTD 611,455)	NTD 3,628,681

Note 1: The ceiling shall be the higher of the net worth or 60% of the consolidated net worth.

Note2：(a) Investment amount approved by the Investment LEDA-ONE (Shenzhen) Co. was liquidated and Written off in May 2017 and remitted the surplus investment US$155,857.58 (equivalent to NT$4,677 thousand) to offset the investment amount approved by the MOEA. The original investment amount at US$1,800,000(equivalent to NT$54,111 thousand) is still in total of US$1,644,142.42(equivalent to NT$49,434 thousand) that could not be offset the investment amount.

(b) MJC Microelectronics(Kunshan) Co., Ltd. was transferred to Japanese MJC Corporation in March, 2018, and the transfer amount of US$2,857,000 (equivalent to NT$84,006 thousand) was used to deduct the mainland investment quota in April, 2018.

(c) MJC Microelectronics (Shanghai) Co., Ltd. was liquidated in August, 2018, and in September, 2018, the liquidation amount of US$936,870 (equivalent to NT$28,669 thousand) was used to deduct the accumulated amount of investment in Mainland China.

(d) The subsidiary of the Group – CHAIN LOGIC (SHANGHAI) INTERNATIONAL CORP. has passed the reduction of cash capital US$1,100,000 (equivalent to NT$34,234 thousand) by the Board of Directors meeting, and the amount of cash capital reduction has remitted to CHAIN-LOGIC TRADING CORP. in July, 2019. The amount was used to deduct the accumulated amount of investment in Mainland China.

(e) The subsidiary of the Group – CHAIN LOGIC (SHANGHAI) INTERNATIONAL CORP. was liquidated and written down in November, 2019. Part of the liquidation amount of US$300,000 (equivalent to NT$8,963 thousand) has remitted to Chain-Logic International Corp. by CHAIN-LOGIC TRADING CORP. in January, 2020 and was used to deduct the accumulated amount of investment in Mainland China. The Investment been approved by Commission on MOEA put on record on February 27, 2020.

C. Important transactions:

For the important transactions of the Group with the investees in Mainland China, direct or indirect, for the year ended December 31, 2021 (which have been eliminated when preparing the consolidated financial statements), please see the "Information related to the investees" and "Major business dealings and transactions between the parent company and its subsidiaries".

(4) Major shareholders information

Shares / Name of major shareholders	Total Shares Owned	Ownership Percentage
MPI Investment Corporation	8,334,626	8.85%

Note1: The table is based on the information provided by the Taiwan Depository & Clearing Corporation for stockholders holding greater than 5% of MPI Corporation stocks completed the process of registration and book-entry delivery in dematerialized from on the last business date of current quarter. There may be a discrepancy in the number of shares recorded on the Company's consolidated financial statements and its dematerialized securities arising from the difference in basis of preparation.

Note2: As table above, the shareholder who delivers the shares to the trust is disclosed by the individual trustee who opened the trust account. In accordance with the Securities Exchange Act, the shareholders have to disclose the insider equity more than 10% of the shares, include their own shares and their delivery to the trust and have the right to make decision on trust property. Information on insider equity declaration is available on the Market Observation Post System website.

Note3: The principle of this table is based on the list of securities owners at the book closure date announced by the interim shareholders meeting without margin trading-short.

Note4: Ratio of holding shares (%) = total number of shares holding by the shareholder / total number of shares delivered in dematerialized form

Note5: The total number of common stock and preferred stock delivered in dematerialized form (including treasury stock) were 94,073,772 shares = 94,073,772 (common stock) + 0 (preferred stock).

14. Information by department

(1) General information

The Group primarily engages in manufacturing, processing, maintenance, import/export and trading of semi-conductor production process and testing equipments.

(2) To report the information about department income, assets and liabilities, and basis of measurement and reconciliation

The department income, department assets and department liabilities are consistent with those identified in the financial statements. Please see the balance sheet and comprehensive income statement.

(3) By product and labor service:

The Group engages in a single industry. Its revenue from customers is primarily generated from the sale of semi-conductor production process and testing equipment.

(4) By territory

The Group's information by territory is stated as following. The revenue is classified based on the customers' geographical locations, while the non-current assets are classified based on the geographical locations of the assets.

	2021		2020	
By territory	**Revenue**	**Non-current assets**	**Revenue**	**Non-current assets**
Taiwan	$ 2,366,167	$ 3,643,007	$ 2,317,602	$ 3,433,843
China	1,601,156	193,684	1,296,546	174,230
U.S.A.	1,080,060	285,717	1,092,963	7,491
Singapore	646,991	－	502,265	－
Korea	19,848	1,964	26,147	2,152
Other countries	794,503	－	690,078	－
Total	$ 6,508,725	$ 4,124,372	$ 5,925,601	$ 3,617,716

(Note) The non-current assets include property, plant and equipment, investment property, intangible assets and other assets, exclusive of financial instruments, deferred income tax assets, assets of retirement/termination benefits and non-current assets generated from insurance contract.

(5) Information about major customers

Information about the Group's revenue from the transaction with single customer accounting for 10% of the operating revenue, net:

2021：None.

2020：None.