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UNITED MICROELECTRONICS CORP  
Form 6-K  
March 25, 2003

1934 Act Registration No. 1-15128

SECURITIES AND EXCHANGE COMMISSION  
Washington, DC 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER  
PURSUANT TO RULE 13a-16 OR 15d-16 OF  
THE SECURITIES EXCHANGE ACT OF 1934

Dated March 25, 2003

United Microelectronics Corporation  
(Translation of Registrant's Name into English)

No. 3 Li Hsin Road II  
Science-Based Industrial Park  
Hsinchu, Taiwan, R.O.C.  
(Address of Principal Executive Office)

(Indicate by check mark whether the registrant files or will file annual reports under cover of form 20-F or Form 40-F.)

Form 20-F  Form 40-F   
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(Indicate by check mark whether the registrant by furnishing the information contained in this form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.)

Yes  No   
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(If "Yes" is marked, indicated below the file number assigned to the registrant in connection with Rule 12g3-2(b): Not applicable )  
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This current report on Form 6-K is hereby incorporated by reference into our Registration Statement on Form F-3 filed with the Commission on January 2, 2002, as amended (File No.333-14256).

INDEX TO THE FINANCIAL STATEMENTS

	Page
	----
United Microelectronics Corporation and Subsidiaries	
Reports of Independent Auditors.....	F-2
Consolidated Balance Sheets at December 31, 2001 and 2002 .....	F-3
Consolidated Statements of Operations for each of the three years in the period ended December 31, 2000, 2001 and 2002 .....	F-4
Consolidated Statements of Changes in Stockholders' Equity for the period ended December 31, 2000 .....	F-5
Consolidated Statements of Changes in Stockholders' Equity for the	

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period ended December 31, 2001 ..... F-6  
Consolidated Statements of Changes in Stockholders' Equity for the  
period ended December 31, 2002 ..... F-7  
Consolidated Statements of Cash Flows for each of the three years in the  
period ended December 31, 2000, 2001 and 2002 ..... F-8  
Notes to the Consolidated Financial Statements..... F-10  
Independent Auditor's Report of UMC (Group) USA by PricewaterhouseCoopers LLP  
(1)  
Independent Auditor's Report of Nippon Foundry Inc. by ChuoAoyama Audit  
Corporation (2)

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(1) Incorporated by reference to p. F-71 of the Registrant's Annual Report on Form 20-F (File No. 1-15128) for the fiscal year ended December 31, 2000, filed with the SEC on June 28, 2001.

(2) Incorporated by reference to p. F-72 of the Registrant's Annual Report on Form 20-F (File No. 1-15128) for the fiscal year ended December 31, 2000, filed with the SEC on June 28, 2001.

F-1

REPORT OF INDEPENDENT AUDITORS

To the Board of Directors and Shareholders of  
United Microelectronics Corporation

We have audited the accompanying consolidated balance sheets of United Microelectronics Corporation and subsidiaries as of December 31, 2001 and 2002, and the related consolidated statements of operations, changes in stockholders' equity and cash flows for the years ended December 31, 2000, 2001 and 2002. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audits. We did not audit the financial statements of UMC Group (USA), a wholly-owned subsidiary, and UMC Japan, a 51.47% owned subsidiary, whose statements reflect total assets of NT\$10,171 million and NT\$25,759 million, respectively, as of December 31, 2000, and total revenues of NT\$43,491 million and NT\$10,542 million, respectively, for the year then ended. Those statements were audited by other auditors whose reports have been furnished to us, and our opinion, insofar as it relates to the amounts included for UMC Group (USA) and UMC Japan, is based solely on the reports of the other auditors.

We conducted our audits in accordance with auditing standards generally accepted in the United States. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits and the reports of the other auditors provide a reasonable basis for our opinion.

In our opinion, based on our audits and the reports of other auditors, the financial statements referred to above present fairly, in all material respects, the consolidated financial position of United Microelectronics Corporation and subsidiaries as of December 31, 2001 and 2002 and the consolidated results of their operations and their cash flows for the years ended December 31, 2000, 2001 and 2002, in conformity with accounting principles generally accepted in

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the Republic of China.

Accounting principles generally accepted in the Republic of China vary in certain significant respects from accounting principles generally accepted in the United States. The application of accounting principles generally accepted in the United States would have affected the consolidated stockholders' equity and financial position as of December 31, 2001 and 2002, and the consolidated results of operations for the years ended December 31, 2000, 2001 and 2002, to the extent summarized in Note 28 to the consolidated financial statements.

DIWAN, ERNST & YOUNG  
CERTIFIED PUBLIC ACCOUNTANTS

/s/ Diwan, Ernst & Young

-----  
Taipei, Taiwan  
Republic of China  
January 16, 2003

F-2

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
CONSOLIDATED BALANCE SHEETS  
(Expressed in thousands)

	Notes	As of December 31,		
		2001	2002	
		NT\$	NT\$	US\$
<b>Assets</b>				
<b>Current assets:</b>				
Cash and cash equivalents	2, 4	76,904,068	80,883,408	2,330
Marketable securities, net	2, 5	1,286,434	2,526,365	72
Notes receivable	6	215,692	85,371	2
Accounts receivable, net	2, 7, 21	8,887,600	12,001,652	345
Inventories, net	2, 8	5,717,203	8,440,005	243
Other current assets		7,775,543	6,985,376	201
		-----	-----	-----
Total current assets		100,786,540	110,922,177	3,196
Long-term investments	2, 9	40,756,678	38,673,496	1,114
Property, plant and equipment, net	2, 10, 21	169,121,168	167,076,910	4,814
Deferred charges	2	3,685,581	3,564,721	102
Deferred tax assets	2, 18	4,371,231	5,232,928	150
Other assets		1,708,359	1,558,655	44
Restricted deposits	21	264,700	-	-
		-----	-----	-----
Total assets		320,694,257	327,028,887	9,424
		=====	=====	=====
<b>Liabilities and Stockholders' Equity</b>				
<b>Current liabilities:</b>				
Short-term loans	11, 21	753,450	1,178,800	33
Notes and accounts payable		15,433,730	13,697,183	394
Income tax payable	2	219,877	284,678	8
Accrued expenses		5,678,713	4,032,474	116
Current portion of long-term debts	12, 13, 21	9,720,178	7,781,598	224
Current portion of capacity deposits	22	2,512,536	1,917,096	55

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Other current liabilities		205,721	255,584	7
		-----	-----	-----
Total current liabilities		34,524,205	29,147,413	839
Long-term liabilities:				
Bonds payable	2, 12	38,450,511	49,441,484	1,424
Long-term loans	13, 21	16,244,823	12,879,512	371
Capacity deposits and other deposits	22	865,546	2,698	
Other long-term liabilities		1,692,451	2,109,409	60
		-----	-----	-----
Total long-term liabilities		57,253,331	64,433,103	1,856
		-----	-----	-----
Total liabilities		91,777,536	93,580,516	2,696
Minority interests		15,594,468	16,023,886	461
Stockholders' equity:				
Capital stock	15	133,356,954	154,748,456	4,459
Capital reserve	2	82,115,682	81,875,491	2,359
Retained earnings	17	34,152,379	20,004,054	576
Unrealized loss on long-term investments	2	(470,931)	(1,349,248)	(38)
Cumulative translation adjustment	2	(160,470)	728,851	21
Treasury stock	2, 3, 16	(35,671,361)	(38,583,119)	(1,111)
		-----	-----	-----
Total stockholders' equity		213,322,253	217,424,485	6,265
		-----	-----	-----
Total liabilities and stockholders' equity		320,694,257	327,028,887	9,424
		=====	=====	=====

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

F-3

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
CONSOLIDATED STATEMENTS OF OPERATIONS  
(Expressed in thousands, except per share data)

	Notes	For the	For the
		2000	2001
		NT\$	NT\$
		-----	-----
Net operating revenues	2	115,609,339	69,816
Costs of goods sold		(57,411,045)	(60,567)
		-----	-----
Gross profit		58,198,294	9,248
		-----	-----
Operating expenses:			
Sales and marketing		(1,153,160)	(2,275,
General and administrative		(3,195,464)	(4,425,
Research and development	2	(6,306,273)	(8,959,
		-----	-----
		(10,654,897)	(15,661,
		-----	-----
Operating income (loss)		47,543,397	(6,412,

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Non-operating income:			
Interest revenue		2,018,926	2,487,
Investment income, net	2	1,726,345	
Gain on disposal of investments, net		588,202	2,347,
Gain on disposal of property, plant and equipment	2	372,938	186,
Gain on foreign currency exchange, net	2	2,922,412	648,
Other income		826,581	601,
		8,455,404	6,270,
Non-operating expenses:			
Interest expenses	10	(2,367,401)	(2,525,
Investment loss, net	2	-	(1,828,
Loss on disposal of property, plant and equipment	2	(273,238)	(231,
Loss on foreign currency exchange, net	2	-	
Other losses		(1,029,004)	(1,838,
		(3,669,643)	(6,424,
Income (loss) before income taxes and minority interests		52,329,158	(6,566,
Income tax benefit (expense)	2, 18	91,062	3,039,
Minority interests (income) loss	2	(1,639,842)	368,
Net income (loss)		50,780,378	(3,157,
Earnings (loss) per share - basic and diluted (in dollars)	2, 19	3.49	(0
Shares used in per share calculation- basic		14,545,699	14,920,
Shares used in per share calculation- diluted		14,545,699	14,920,
Pro forma information on earnings as if unconsolidated subsidiaries' investment in the Company is not treated as treasury stock			
Net income			
Earnings per share - basic and diluted (in dollars)	19		

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

F-4

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY  
(Expressed in thousands)

Capital Stock

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	Common Stock	Shares	Capital Reserve	R
	NT\$		NT\$	
Balance at January 1, 2000	66,549,966	6,654,997	36,836,033	4
New shares issued due to merger on January 3, 2000	23,836,503	2,383,650	17,152,454	
Appropriation of 1999 retained earnings				
Legal reserve	-	-	-	1
Stock dividends	9,049,268	904,927	-	
Directors' and supervisors' remuneration	-	-	-	
Employees' bonus	786,893	78,689	-	
Capitalization of capital reserve	9,049,269	904,927	(9,049,269)	
Purchase of treasury stock	-	-	-	
Net income for 2000	-	-	-	
Gain on disposal of property, plant and equipment	-	-	170,473	
Gain on disposal of property, plant and equipment from investees	-	-	2,715	
Conversion of convertible bonds issued	942,620	94,262	2,486,512	
Adjustment of capital reserve accounted for under equity method	-	-	547,377	
Changes in unrealized loss on long-term investments	-	-	-	
Changes in unrealized loss on long-term investments of investees	-	-	-	
Shares issued for American Depository Shares	4,500,000	450,000	34,014,773	
Changes in cumulative translation adjustment	-	-	-	
Treasury stock due to consolidation	-	-	-	
Balance at December 31, 2000	114,714,519	11,471,452	82,161,068	5

	Cumulative Translation Adjustment	Treasury Stock
	NT\$	NT\$
Balance at January 1, 2000	535,234	(16,691,822)
New shares issued due to merger on January 3, 2000	(1,083)	-
Appropriation of 1999 retained earnings		
Legal reserve	-	-
Stock dividends	-	-
Directors' and supervisors' remuneration	-	-
Employees' bonus	-	-
Capitalization of capital reserve	-	-
Purchase of treasury stock	-	(1,479,064)
Net income for 2000	-	-
Gain on disposal of property, plant and equipment	-	-
Gain on disposal of property, plant and equipment from investees	-	-
Conversion of convertible bonds issued	-	-
Adjustment of capital reserve accounted for under equity method	-	-
Changes in unrealized loss on long-term investments	-	-
Changes in unrealized loss on long-term investments of investees	-	-
Shares issued for American Depository Shares	-	-
Changes in cumulative translation adjustment	(509,949)	-

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Treasury stock due to consolidation	-	(12,900,832)
	-----	-----
Balance at December 31, 2000	24,202	(31,071,718)
	=====	=====

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

F-5

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY (Continued)  
(Expressed in thousands)

	Capital Stock		Capital Reserve	Spe Res
	Common Stock	Shares		
	NT\$	-----		
Balance at January 1, 2001	114,714,519	11,471,452	82,161,068	
Purchase of treasury stock	-	-	-	
Net loss for 2001	-	-	-	
Appropriation of 2000 retained earnings				
Legal reserve	-	-	-	
Special reserve	-	-	-	2,24
Stock dividends	17,151,040	1,715,104	-	
Directors' and supervisors' remuneration	-	-	-	
Employees' bonus	1,491,395	149,139	-	
Issuance cost adjustment for American Depository Shares	-	-	147,086	
Changes in unrealized loss on long-term investments	-	-	-	
Changes in unrealized loss on long-term investments of investees	-	-	-	
Adjustment of capital reserve accounted for under equity method	-	-	(192,472)	
Changes in cumulative translation adjustment	-	-	-	
Balance at December 31, 2001	133,356,954	13,335,695	82,115,682	2,24
	=====	=====	=====	=====

	Unrealized Loss on Long-term Investments	Cumulative Translation Adjustment	Treasury Stock
	-----	-----	-----
	NT\$	NT\$	NT\$
Balance at January 1, 2001	(2,265,279)	24,202	(31,071,718)
Purchase of treasury stock	-	-	(4,599,643)
Net loss for 2001	-	-	-
Appropriation of 2000 retained earnings			
Legal reserve	-	-	-

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Special reserve	-	-	-
Stock dividends	-	-	-
Directors' and supervisors' remuneration	-	-	-
Employees' bonus	-	-	-
Issuance cost adjustment for American Depository Shares	-	-	-
Changes in unrealized loss on long-term investments	1,514,297	-	-
Changes in unrealized loss on long-term investments of investees	280,051	-	-
Adjustment of capital reserve accounted for under equity method	-	-	-
Changes in cumulative translation adjustment	-	(184,672)	-
	-----	-----	-----
Balance at December 31, 2001	(470,931)	(160,470)	(35,671,361)
	=====	=====	=====

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

F-6

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY (Continued)  
(Expressed in thousands)

	Capital Stock		Capital Reserve	Sp Re
	Common Stock	Shares		
	NT\$	NT\$		
Balance at January 1, 2002	133,356,954	13,335,695	82,115,682	2,2
Purchase of treasury stock	-	-	-	
Treasury stock held by unconsolidated subsidiaries	-	-	-	
Net income for 2002	-	-	-	
Appropriation of 2001 retained earnings				
Special reserve	-	-	-	(1,6
Stock dividends	19,680,182	1,968,018	-	
Employees' bonus	1,711,320	171,132	-	
Changes in unrealized loss on long-term investments of investees	-	-	-	
Gain on disposal of property, plant and equipment adjusted from capital reserve	-	-	(170,473)	
Investees' gain on disposal of property, plant and equipment adjusted from capital reserve	-	-	(672)	
Adjustment of capital reserve accounted for under equity method	-	-	(69,046)	
Changes in cumulative translation adjustment	-	-	-	
	-----	-----	-----	
Balance at December 31, 2002 (in NT\$)	154,748,456	15,474,845	81,875,491	6
	=====	=====	=====	
Balance at December 31, 2002 (in US\$)	4,459,610		2,359,524	
	=====		=====	



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	Unrealized Loss on Long-term Investments	Cumulative Translation Adjustment	Treasury Stock
	----- NT\$	----- NT\$	----- NT\$
Balance at January 1, 2002	(470,931)	(160,470)	(35,671,361)
Purchase of treasury stock	-	-	(2,739,918)
Treasury stock held by unconsolidated subsidiaries	-	-	(171,840)
Net income for 2002	-	-	-
Appropriation of 2001 retained earnings			
Special reserve	-	-	-
Stock dividends	-	-	-
Employees' bonus	-	-	-
Changes in unrealized loss on long-term investments of investees	(878,317)	-	-
Gain on disposal of property, plant and equipment adjusted from capital reserve	-	-	-
Investees' gain on disposal of property, plant and equipment adjusted from capital reserve	-	-	-
Adjustment of capital reserve accounted for under equity method	-	-	-
Changes in cumulative translation adjustment	-	889,321	-
	-----	-----	-----
Balance at December 31, 2002 (in NT\$)	(1,349,248)	728,851	(38,583,119)
	=====	=====	=====
Balance at December 31, 2002 (in US\$)	(38,883)	21,004	(1,111,906)
	=====	=====	=====

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

F-7

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
CONSOLIDATED STATEMENTS OF CASH FLOWS  
(Expressed in thousands)

	For the year ended D	
	----- 2000 ----- NT\$	----- 2001 ----- NT\$
Cash flows from operating activities:		
Net income (loss)	50,780,378	(3,157,302)
Adjustments to reconcile net income (loss) to net cash provided by operating activities:		
Minority interests income (loss)	1,639,842	(368,746)
Depreciation	24,403,320	34,390,192
Amortization	1,176,713	1,877,551
Provision (reversal) for bad		

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debts expense	52,940	(108,892)	
Loss on decline in market value of marketable securities	-	-	
Provision for inventory loss	610,327	1,529,823	
Cash dividends received under equity method	18,900	227,025	
Long-term investment (income) loss accounted for under equity method	(2,077,487)	1,554,402	
Impairment loss of long-term investments	414,560	535,890	1
Gain on disposal of investments	(588,202)	(2,347,219)	(8
(Gain) loss on disposal of property, plant and equipment	(37,903)	73,683	
Exchange loss (gain) on long-term loans	-	431,142	
Forfeited interest on converted bonds	74,313	-	
Patent rights return	-	(93,990)	
Gain on reacquisition of bonds	-	-	
Changes in assets and liabilities:			
Notes receivable	1,394,574	261,920	
Accounts receivable	(7,426,562)	11,341,957	(3
Inventories	(6,428,624)	3,493,492	(3
Other current assets	(1,180,410)	(1,784,024)	
Deferred tax assets	(7,239)	(3,394,095)	
Notes and accounts payable	(1,075,912)	(4,229,047)	
Income tax payable	(18,625)	(754,950)	
Accrued expenses	2,667,916	689,462	(1
Other current liabilities	269,347	(693,509)	
Compensation interest payable	(11,494)	4,415	
Other long-term liabilities	342,934	471,411	
Capacity deposits	3,083,578	236,902	(1
	-----	-----	---
Net cash provided by operating activities	68,077,184	40,187,493	30
	-----	-----	---
Cash flows from investing activities:			
Decrease (increase) in marketable securities, net	1,838,352	(1,256,567)	
(Increase) decrease in restricted deposits	(2,580,724)	2,660,800	
Acquisition of long-term investments	(10,041,492)	(4,417,786)	(4
Proceeds from disposal of long-term investments	1,723,271	4,878,280	12
Withdrawal of prepayments for long-term investments	1,000,000	1,772	
Acquisition of property, plant and equipment	(83,482,670)	(43,050,831)	(35
Proceeds from disposal of property, plant and equipment	1,509,680	544,099	
Cash proceeds from merger	19,162,146	-	
Acquisition of subsidiaries	-	-	
Increase in deferred charges	(2,579,618)	(2,409,062)	(1
(Increase) decrease in other assets	(231,642)	(207,749)	
	-----	-----	---
Net cash used in investing activities	(73,682,697)	(43,257,044)	(30
	-----	-----	---

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

F-8

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
CONSOLIDATED STATEMENTS OF CASH FLOWS (Continued)  
(Expressed in thousands)

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	For the ye	
	2000	200
	NT\$	NT
Cash flows from financing activities:		
(Decrease) increase in short-term loans, net	(7,111,095)	(3,243
Proceeds from long-term loans	9,423,941	5,185
Repayment of long-term loans	(6,681,765)	(21,427
Proceeds from bonds issued	6,896,000	35,596
Proceeds from issuance of American Depository Shares	38,514,773	
Redemption of bonds	(33,015)	
Reacquisition of bonds	-	
Cash payment for fraction of one share arising from bonds conversion	(4)	
Proceeds from minority shareholders on stock issuance of subsidiaries	1,976,031	7,106
Purchase of treasury stock	(1,479,064)	(4,599
Increase in deposits-in, net	608	
Directors' and supervisors' remuneration paid	(95,737)	(433
Net cash provided by financing activities	41,410,673	18,184
Effect of exchange rate changes on cash and cash equivalents	(137,522)	(680
Net increase in cash and cash equivalents	35,667,638	14,433
Cash and cash equivalents at beginning of year	26,802,435	62,470
Cash and cash equivalents at end of year	62,470,073	76,904
Supplemental disclosures of cash flow information :		
Cash paid for interest (excluding interest capitalized )	2,155,932	2,189
Cash paid for income tax	436,766	1,196
Investing activities partially paid by cash :		
Acquisition of property, plant and equipment	86,325,850	41,541
Add: Payable at beginning of year	7,099,954	13,991
Add: Increase on payable from merger	4,048,315	
Less: Payable at end of year	(13,991,449)	(12,482
Cash paid	83,482,670	43,050
Investing and financing activities partially affecting cash flows :		
New shares issued due to merger	23,836,503	
Elimination of book value of United Microelectronics' investment in the merged companies	23,227,738	
Capital reserve increased due to merger	17,152,454	
Net assets, excluding cash, increased due to merged companies	(45,054,549)	
Cash increased due to merger	19,162,146	
Financing activities not affecting cash flows:		
Convertible bonds (at par value) converted into common stock and certificates exchangeable for common stocks	7,255,492	

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

F-9

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

#### 1. History and Organization

United Microelectronics Corporation ("the Company") was incorporated in May 1980 and commenced operations in April 1982. The Company's major business activity is the dedicated full service semiconductor wafer foundry. The Company provides a variety of services to fit individual customer's needs, including intellectual property, embedded IC design, design verification, mask tooling, wafer fabrication, testing, etc. The Company's common shares were publicly listed on the Taiwan Stock Exchange in July 1985 and its American Depository Shares ("ADSs") were listed on the New York Stock Exchange in September of 2000.

United Microelectronics Corporation, United Integrated Circuits Corporation ("United Integrated Circuits"), United Silicon Incorporated ("United Silicon"), United Semiconductor Corporation ("United Semiconductor") and UTEK Semiconductor Corporation ("UTEK Semiconductor") were merged into one publicly traded entity, the Company, on January 3, 2000.

#### 2. Summary of Significant Accounting Policies

##### Principles of Consolidation

-----  
The consolidated financial statements include the accounts of the Company and certain majority owned (50% or more) subsidiaries (hereinafter referred to collectively as "the Group") in accordance with the requirements of ROC Statement of Financial Accounting Standard ("ROC SFAS") No.7 and the regulations of the Taiwan Securities and Futures Commission ("Taiwan SFC"). All intercompany accounts and transactions have been eliminated in the consolidated financial statements.

Pursuant to ROC SFAS NO.7 and the regulations of the SFC, if the total assets and operating revenues of a subsidiary are less than 10% of the non-consolidated total assets and operating revenues of the Company, respectively, the subsidiary's financial statements may, at the option of the Company, not be consolidated. Irrespective of the above test, when the total combined assets or operating revenues of all such non-consolidated subsidiaries constitute up to 30% of the Company's non-consolidated total assets or operating revenues, then each individual subsidiary with total assets or operating revenues up to 3% of the Company's non-consolidated total assets or operating revenues has to be included in the consolidation. Such subsidiaries are included in the consolidated financial statements thereafter, unless the percentage of the combined total assets or operating revenues for all such subsidiaries becomes less than 20% of the Company's respective unconsolidated amount.

F-10

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES

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### NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

The consolidated financial statements include the financial statements of the Company and the following subsidiaries:

Hsun Chieh Investment Co., Ltd. ("Hsun Chieh"), incorporated on December 31, 1999, was created for the purpose of merging the following six companies as of that date: Hung Tien Investment Corporation ("Hung Tien"), Ta Lien Investment Corporation ("Ta Lien"), Hung Lien Investment Corporation ("Hung Lien"), Tung Hsin Investment Corporation, Hsun Chieh Corporation and Holtek Investment Corporation. The Company owned 99.97% of interest in Hsun Chieh as of December 31, 2001 and 2002, respectively. Hsun Chieh was consolidated for the years ended December 31, 2000, 2001 and 2002.

Nippon Foundry Inc. ("Nippon Foundry") was incorporated in May 1984 in Japan and is in the business of manufacturing semiconductor products. During the year 2001, Nippon Foundry was renamed to UMC Japan ("UMCJ"). The Group owned 51.51% and 51.47% of interest in UMCJ as of December 31, 2001 and 2002, respectively.

UMC Group (USA) ("UMC-USA") was incorporated on August 5, 1997, and is engaged in the business of sales of semiconductor products and providing related foundry services. The Company owned 100% of interest in UMC-USA as of December 31, 2001 and 2002.

UMCi Pte. Ltd. ("UMCi") was incorporated in January 2001. The Company held a 49.82% equity interest in UMCi as of December 31, 2001 and 2002. In accordance with the Foundry Venture Agreement with other shareholders of UMCi, the Company obtained the controlling influence over UMCi's decisions on its operations, personnel, and financial policies since incorporation. Therefore, UMCi has been included in the consolidation despite an equity interest of less than 50% since the year ended December 31, 2001.

United Microelectronics (Europe) B.V. ("UMC BV") was incorporated on May 23, 1989 and is engaged in the business of sales of semiconductor products and providing related foundry services. The Company acquired a 100% interest in UMC BV on May 15, 2002 and since then, UMC BV became a wholly-owned subsidiary of the Company.

United Microdisplay Optronics Corp. ("UMO") was incorporated on September 11, 2002 and is engaged in the business of manufacturing and sales of chips for Liquid Crystal On Silicon ("LCOS"). The Company owned an 85% equity interest in UMO as of December 31, 2002 and was consolidated as well.

F-11

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

Fortune Venture Capital Corporation, United MicroMachining Corporation and United Foundry Service, Inc. were excluded from consolidation in accordance with the aforementioned exclusion rules for the year ended December 31, 2000. Fortune Venture Capital Corporation, United Foundry Services, Inc. and UMC Capital Corporation were excluded from consolidation in accordance with the aforementioned exclusion rules for the year ended December 31, 2001. Fortune Venture Capital Corporation, United Foundry Services, Inc., UMC Capital Corporation and United Microelectronics Corp. (Samoa) were excluded from consolidation in accordance with the aforementioned exclusion rules for the year ended December 31, 2002.

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### Use of Estimates

-----  
The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reported period. Actual results could differ significantly from those estimates.

### Translation of Foreign Currency Transactions

-----  
The accounts of the Company are maintained in New Taiwan dollars, the functional currency. Transactions denominated in foreign currencies are translated into New Taiwan dollars at the exchange rates prevailing on the transaction dates. Receivables, other monetary assets, and liabilities denominated in foreign currencies are translated into New Taiwan dollars at the exchange rates prevailing at the balance sheet date. Exchange gains or losses are included in the current year's results. The financial statements of foreign subsidiaries and investees are translated into New Taiwan dollars using the spot rates as of each financial statement date for asset and liability accounts, average exchange rates for profit and loss accounts and historical exchange rates for equity accounts. The cumulative translation effects for subsidiaries and investees using functional currencies other than the New Taiwan dollars are included in the cumulative translation adjustment in stockholders' equity.

### Convenience Translation into US Dollars

-----  
The Company prepares its financial statements in New Taiwan ("NT") dollars, its reporting currency. The United States ("US") dollar amounts disclosed in the financial statements as of December 31, 2002, are presented solely for the convenience of the readers and were translated at the Federal Reserve noon buying rate of NT\$34.70 to US\$1.00 in effect on December 31, 2002. Such translation amounts are unaudited and it should not be construed that the NT dollar amounts represent, or have been, or could be, converted into US dollars at that or any other rate.

F-12

## UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

### Derivative Financial Instruments

-----  
Hedging instruments are accounted for on a net accrual basis in accordance with the contractual interest rate or foreign exchange rate. Other derivative instruments are carried at fair value on the balance sheet date with any changes in unrealized gain or loss charged or credited to earnings for the year.

### Cash Equivalents

-----  
Cash equivalents are short-term, highly liquid investments that are readily convertible to known amounts of cash and with maturity dates that do not present significant risks or changes in value resulting from changes in interest rates.

### Marketable Securities

-----  
Marketable securities are recorded at cost when acquired and are stated at the

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lower of aggregate cost or market value at the balance sheet date. The market value of listed debt and equity securities or closed-end funds is determined by the average closing price during the last month of the fiscal year. The market value for open-ended funds is determined by their equity per unit at the balance sheet date. The amount by which aggregate cost exceeds market value is reported as a loss in the current year. In subsequent periods, recoveries of market value are recognized as a gain to the extent that the market value does not exceed the original aggregate cost of the investment.

### Allowance for Doubtful Accounts

-----

The allowance for doubtful accounts is provided based on management's judgment and on the evaluation of collectibility and aging analysis of accounts and other receivables.

### Inventories

-----

Inventories are recorded at cost when acquired and stated at the lower of aggregate cost, based on the weighted average method, or market value at the balance sheet date. The market values of raw materials and supplies are determined on the basis of replacement cost while the work in process and finished goods are determined by net realizable values. An allowance for loss on decline in market value and obsolescence is provided, when necessary.

### Long-term Investments

-----

Long-term investments are recorded at cost when acquired. Investments acquired by contribution of technological know-how are credited to deferred credits among affiliates, which will be amortized to income over a period of five years.

F-13

## UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

Investments in less than 20% owned listed companies where significant influence on operational decisions of the investees does not reside with the Group, are accounted for by the lower of aggregate cost or market value method. The unrealized loss resulting from the decline in market value of investments that are held for long-term investment purposes is deducted from the stockholders' equity. The Group's investments in less than 20% owned unlisted companies are accounted for under the cost method, unless an other than temporary impairment is evident, in which case they are written down to fair value as a new cost basis.

Investment income or loss from investments in both listed and unlisted companies is accounted for under the equity method provided that the Group owns at least 20% of the outstanding voting shares of the investees and has significant influence on operational decisions of the investees. The difference of the acquisition cost and the underlying equity in the investee's net assets is amortized over five years.

Unrealized intercompany gains and losses are eliminated under the equity method. Profit from sales of depreciable assets between the investee and the Company is amortized and recognized based on the assets' economic service lives. Profit from other types of intercompany transactions is recognized when realized. The increase in the Group's proportionate share in the net assets of its investee resulting from its subscription to additional shares of stock, issued by such

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investee, at the rate not proportionate to its existing equity ownership in such investee, is credited to a capital reserve account. Any decrease in the Group's proportionate share in the net assets of investee is debited against the existing balance of the similar capital reserve account, where the credit balance can only be offset to zero. If any excess amount exists, it will be debited against unappropriated retained earnings.

### Property, Plant and Equipment

-----

Property, plant and equipment are stated at cost. Interest incurred on loans used to finance the construction of property, plant and equipment is capitalized and depreciated accordingly.

Depreciation is provided on the straight-line basis using the economic service lives of the assets less any salvage value. When the economic service lives are completed, property, plant and equipment, which are still in use, are depreciated over the newly estimated remaining useful lives of the salvage value. The economic service lives of the property, plant and equipment are as follows: buildings - 3 to 55 years; machinery and equipment - 5 years; transportation equipment - 2 to 5 years; furniture and fixtures - 2 to 20 years; leased assets and leasehold improvements - the lease period, or economic service lives, whichever is shorter.

F-14

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

Maintenance and repairs are charged to expense as incurred. Significant renewals and improvements are treated as capital expenditures and are depreciated accordingly. When property, plant and equipment are disposed of, their original cost and accumulated depreciation are written off and the related gain, net of income tax, is included in the income statement and subsequently transferred to capital reserve in the same year. However, according to amendments in ROC Company Law, such transfer of gain to capital reserve shall no longer be required with effect on January 1, 2001. The accumulated gain transferred in prior years can be transferred back from the capital reserve and be treated as a one-time increase in retained earnings subject to shareholders' approval.

### Deferred Charges

-----

Deferred charges are stated at cost and amortized on a straight-line basis as follows: intellectual property and technology license fee - the term of contract or economic lives of the related technology, software - 3 years; facilities use rights - 15 years; bond issuance costs - over the life of the bonds; patents - over economic service lives; and acquired technological know-how - over the estimated useful life of the know-how.

At each balance sheet date, the Group assesses whether there is any indication of impairment other than temporary. If any such indication exists, the recoverable amount is estimated and provision for impairment losses is provided accordingly.

### Convertible and Exchangeable Bonds

-----

The excess of the stated redemption price over the par value is accrued as compensation interest payable over the redemption period, using the effective interest method.



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When convertible bondholders exercise their conversion rights, the book value of bonds is credited to common stock at an amount equal to the par value of the common stock and the excess is credited to capital reserve; no gain or loss is recognized on bond conversion.

When exchangeable bondholders exercise their rights to exchange for the reference shares, the book value of bonds is to be offset with the book value of the investment in reference shares and the related stockholder's equities accounts, with the difference recognized as gain or loss on disposal of investments.

F-15

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

#### Pension Plan

-----  
The Group has funded defined benefit pension plans covering regular employees. The net pension cost is computed based on an actuarial valuation in accordance with the provision of ROC SFAS No. 18, which requires consideration of pension cost components such as service cost, interest cost, expected return on plan assets and amortization of net obligation at transition. The unrecognized net asset or obligation at transition is amortized on a straight-line basis over 15 years. The pension fund is managed by an independently administered pension fund association.

#### Capital Reserve

-----  
The following shall accrue as capital reserve: (1) any premiums on capital stock; (2) the net appraisal surplus of each fiscal year; (3) any gain on disposal of assets (not applicable for 2001 and after); (4) the fair market value of assets received from a merged company in excess of assumed liabilities and payment for shares held by shareholders of the merged company; (5) any donated surplus; and (6) change in an equity investee's capital structure. Capital reserve shall be exclusively used to cover accumulated deficits when the legal reserve is insufficient to cover the deficits or distribution of stock dividends.

#### Income Tax

-----  
Provision for income tax includes deferred tax resulting from temporary differences and investment tax credits. Deferred tax assets and liabilities are recognized for the expected tax consequences of temporary differences between the tax bases of assets and liabilities and their reported amounts in the financial statements using enacted tax rates and laws that will be in effect when the difference is expected to reverse. Valuation allowance on deferred tax assets is provided to the extent that it is more likely than not that the tax benefits will not be realized. The Group recognized the tax benefit from the tax credit incurred in the year equipment is acquired, or the year the expenditure arises from research and development.

Income taxes (10%) on unappropriated earnings are recorded as expenses in the year when the shareholders have resolved that the earnings shall be retained.

#### Revenue Recognition

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Revenue is recognized when title and liability for risk of loss or damage to the products have been transferred to customers usually upon shipment. Sales return and allowances taken into consideration of customers' complaint and past experience are accrued in the same year of sales. The connected cost is to be deducted from the total cost of goods sold.

F-16

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

#### Research and Development

Costs incurred by the Group in research and development activities are expensed as incurred.

#### Minority Interests

Minority interests in the income statement includes interest in the earnings or losses of less than wholly-owned subsidiaries and the pre-acquisition earnings or losses of companies acquired during the year that the Group was not entitled to recognize.

#### Earnings Per Share

Earnings per share is calculated according to the ROC SFAS No.24. Basic earnings per share is computed by dividing net income by weighted average number of shares outstanding during the year. Diluted earnings per share is calculated by taking basic earnings per share into consideration plus additional common shares that would have been outstanding if the dilutive share equivalents had been issued. The net income would also be adjusted for the interest derived from any underlying dilutive share equivalents. The weighted-average outstanding shares are restated for stock dividends and bonus share issues.

#### Certain Risks and Uncertainties

The Group is engaged in the foundry business of manufacturing semiconductor products and sells its products primarily in Taiwan, Asia, North America and Europe, generally without requiring collateral. The Group's products are concentrated in the semiconductor industry, which is highly competitive and rapidly changing, and its inventories are subject to rapid technological obsolescence. While the Group has programs to minimize the required inventories on hand and considers technological obsolescence in estimating required allowances to reduce amounts to fair market value, such estimates could change in the future. Significant technological changes in the industry could affect operating results adversely.

#### Treasury Stock

Under ROC SFAS No. 30, treasury stock is accounted for under the cost method. Cost of treasury stock is shown as a deduction to stockholders' equity, while gain or loss of selling treasury stock is treated as adjustment to capital reserves.

The Company's stock held by its subsidiaries is also treated as treasury stock in the Company's stand-alone account since January 1, 2002.

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

### 3. Accounting Changes

On September 1, 2001, UNIPAC Optoelectronics Corp. ("UNIPAC") was merged into Acer Display Technology Inc. which was the surviving corporate entity and was renamed AU Optronics Corp. As the Group has lost its significant influence over the investee, the investment was then accounted for under the lower of cost or market value method. Similarly, upon the listing of MediaTek Incorporation on the Taiwan Stock Exchange in 2001, the Group lost its significant influence over MediaTek and therefore, the investment in MediaTek was accounted for under the lower of cost or market value method since then. Prior to these transactions, the Group's investments in UNIPAC and MediaTek Incorporation were accounted for by equity method.

Prior to January 1, 2002, treasury stock held by the Company's subsidiaries was accounted for in the consolidation level only. Since January 1, 2002, the Company has adopted ROC SFAS No. 30 to further include the Company's stock held by its subsidiaries as treasury stock in the Company's stand-alone account. This adoption has decreased the amount of long-term investment and stockholder's equity in the consolidated balance sheet by NT\$172 million, respectively, representing the treasury stock held by an unconsolidated subsidiary. The net impact caused by the accounting changes is considered insignificant.

### 4. Cash and Cash Equivalents

	As of December 31,	
	2001	2002
	NT\$'000	NT\$'000
Cash:		
Cash on hand	4,050	4,849
Checking and savings accounts	19,837,524	2,415,088
Certificates of deposit	47,070,856	69,116,470
Subtotal	66,912,430	71,536,407
Cash equivalents:		
Commercial paper	9,991,638	9,347,001
Total	76,904,068	80,883,408

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

### 5. Marketable Securities, Net

	-----	200
	-----	NT
Mutual funds		1,00
Listed equity securities		24
Convertible bonds		3
	-----	1,28
Subtotal		1,28
Less: Allowance for loss on decline in market value		-----
Net		=====

6. Notes Receivable

	-----	200
	-----	NT
Notes receivable		21
		=====

7. Accounts Receivable, Net

	-----	200
	-----	NT
Accounts receivable		9,48
Less: Allowance for sales returns and discounts		(44)
Less: Allowance for doubtful accounts		(14)
	-----	8,88
Net		=====

Please refer to Note 21 for accounts receivable pledged as collateral.

F-19

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
 NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

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8. Inventories, Net

	As of December	
	2001	
	NT\$'000	
Raw materials	219,166	
Supplies and spare parts	1,206,801	
Work in process	3,863,899	
Finished goods	1,284,206	
Subtotal	6,574,072	
Less: Allowance for loss on decline in market value and obsolescence	(856,869)	
Net	5,717,203	

(1) The insurance coverage for inventories was sufficient as of December 31, 2001 and 2002, respectively.

(2) Inventories were not pledged.

F-20

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

9. Long-term Investments

Details of long-term investments are as follows:

	As of December	
	2001	
Invested Company	Percentage of Ownership or Voting Rights	Amount
		NT\$'000
Investments accounted for under the equity method:		
UMC Capital Corporation	100.00	338,228
United Foundry Service, Inc.	100.00	78,226
United Microelectronics Corp. (Samoa)	-	-
Fortune Venture Capital Corporation	99.99	3,413,388
Pacific Venture Capital Co., Ltd.	49.99	351,420

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Afa Technologies Inc.	-	-
Star Semiconductor Corp.	-	-
DuPont Photomasks Taiwan Ltd.	46.32	1,093,113
Unitech Capital Inc.	-	-
Unimicron Technology Corp. (formerly known as World Wiser Electronics Incorporated) (Note A)	36.87	4,283,241
VistaPoint, Inc.	-	-
UC Fund II	35.45	161,225
Accelerated Communications, Inc.	-	-
RiRa Electronics, Inc.	31.50	30,322
United Radiotek Incorporation	26.90	13,450
Archtek Telecom Corporation	-	-
Novatek Microelectronics Corp.	26.82	1,019,532
Holtek Semiconductor Inc.	28.76	555,441
Faraday Technology Corp.	26.68	1,686,448
Integrated Technology Express Inc.	28.78	330,522
Applied Component Technology Corporation	31.00	154,821
Harvatek Corp.	26.14	179,295
High Bandwidth Access, Inc.	11.92	19,191
Integrated Telecom Express, Inc. (Note B)	18.99	818,348
Patentop, Ltd. (Note B)	18.00	20,963
Advance Materials Corporation (Note B)	15.78	183,209
AMIC Technology (Taiwan), Inc. (Note B)	13.62	37,120
SerComm Corporation (Note B)	7.81	58,619
Plato Electronics (Cayman) Limited	24.50	657,858
Trecenti Technologies, Inc.	40.00	1,789,838
Broadmedia, Inc.	39.28	-
		-----
Subtotal		17,273,818
		-----

Note A: Investment in UniMicron Technology Corp. was previously accounted for under the equity method. As of October 31, 2001, UniMicron Technology Corp. was merged into World Wiser Electronics Incorporated which is the surviving corporate entity and renamed as Unimicron Technology Corp.

Note B: For 2002, significant influence was exercised by the Group over the investees, therefore, equity method applied.

F-21

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

	As of December	
	2001	
Invested Company	Percentage of Ownership or Voting Rights	Amount
-----	-----	-----

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Investments accounted for under the cost method or the

-----  
lower of cost or market value method:  
-----

Aptos Corp. (Note C)	26.07	104,861
Pacific United Technology, L.P. (Note C)	25.00	34,600
Elite Flash Storage Technology Inc.	19.50	19,500
Giga Solution Technology Co., Ltd.	19.44	105,000
Vialta, Inc.	-	1,248,457
PixTech, Inc.	17.63	561,080
Kits On Line Technology Corp.	16.41	38,656
InComm Technologies Co., Ltd.	16.00	44,480
Everglory Resource Technology Co., Ltd.	19.03	74,000
Enovation Group Inc.	14.34	73,807
MediaTek Incorporation (Note D)	15.17	1,339,839
Smart Idea Holding Limited	-	-
Integrated Photonics, Inc.	11.46	6,244
AU Optronics Corp. (Note D and E)	18.86	8,317,535
Sino-Aerospace Investment Corp.	11.11	25,748
Subtron Technology Co., Ltd.	11.02	339,000
Ayuttha Technology Corp.	-	-
Golden Technology Venture Capital Investment Corp.	10.67	80,000
NCTU Spring I Technology Venture Capital Investment Corp.	10.06	43,482
Pacific Technology Partners, L. P.	9.85	104,755
RF Integration Corporation	4.51	98,610
TECO Nanotech Co., Ltd.	9.26	167,602
Ascend Semiconductor Corp.	9.00	36,000
Union Technology Corp.	15.00	18,000
Fortune Semiconductor Corporation	5.13	40,000
United Industrial Gases Co., Ltd.	8.52	146,250
ProSys Technology Integration, Inc.	6.70	18,000
NCTU Spring Venture Capital Co., Ltd.	6.28	20,000
Advanced Microelectronic Products, Inc.	5.50	126,000
Cosmos Technology Venture Capital Investment Corp.	5.03	40,000
Industrial Bank of Taiwan Corp.	5.00	1,150,000
Parawin Venture Capital Corp.	-	-
Coretronic Corp.	5.49	276,192

F-22

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

As of December 31

-----  
2001  
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Invested Company	Percentage of Ownership or Voting Rights	Amount	Percentag Ownership Voting Ri
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Silicon Integrated Systems Corp.	-	-	4.
Taiwan Asia Pacific Venture Fund	4.15	29,295	4.
TECO Electric & Machinery Co., Ltd.	3.94	1,535,895	4.
IBT Venture Co.	3.81	90,000	3.
Prokia Technology Co., Ltd.	3.13	48,000	3.
Hantek Technology Co., Ltd.	3.14	42,330	2.
Sheng-Hua Venture Capital Corp.	2.50	50,000	2.
Pixart Imaging Inc.	2.00	10,000	1.
SAMPO Corporation	2.95	443,598	1.
Largan Optoelectronics, Co., Ltd.	1.96	102,380	1.
Mega Financial Holding Company	4.98	4,991,630	1.
Premier Image Technology Corporation	0.70	27,964	0.
Ingenus Corp.	0.65	29,812	0.
Lattice Semiconductor Corporation	-	-	0.
King Yuan Electronics Co., Ltd.	0.37	70,000	0.
Averlogic Corporation	-	-	0.
Amkor Technology, Inc.	0.09	99,541	0.
LightCross, Inc.	-	206,880	
Linden Technologies, Inc.	-	92,385	
Aurora Systems, Inc.	-	72,226	
Chip Express Corporation	-	-	
ForteMedia, Inc.	-	65,000	
ChinaYES InfoMedia (Cayman), Inc.	-	63,146	
Alpha and Omega Semiconductor, Inc.	-	46,883	
SandCraft, Inc.	-	43,063	
VenGlobal Capital Fund III, L.P.	-	33,195	
Primarion, Inc.	-	31,800	
Formerica International Holding, Inc.	-	30,898	
Triscend Corp.	-	17,409	
Broadcom Communications	-	7,092	
Netlogic Microsystems, Inc.	-	3,195	
Tonbu, Inc.	-	428,767	
NetEmpower Software Technologies, Inc.	-	92,388	
Octillion Communications, Inc.	-	65,740	
Epogy Communication, Inc.	-	49,704	
AEM Technology, Inc.	-	28,715	
The Supply, Inc.	-	-	
Stark Technology Inc.	0.19	1,824	
National Venture Capital Corp.	11.09	60,000	
Subtotal		23,708,453	

F-23

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

As of December 31,

2001

20



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Invested Company	Percentage of Ownership or Voting Rights	Amount	Percentage of Ownership or Voting Rights
-----			
Others:			
Golf Club Membership Card		60,000	
Morgan Stanley Repackage Bond		-	
		-----	
Subtotal		60,000	
		-----	
Prepaid long-term investments:			
Ascend Semiconductor Corp.		-	
Ayuttha Technology Corp.		-	
		-----	
Subtotal		-	
		-----	
Cumulative translation adjustment		183,710	
Allowance for loss on decline in market value		(469,303)	
Treasury stock held by unconsolidated subsidiaries		-	
		-----	
Total		\$40,756,678	
		=====	

Note C : As the Group was not able to exercise significant influence over the investees, the investments were accounted for under the cost method.

Note D : Starting from the third quarter of 2001, the Group was unable to exercise significant influence over AU Optronics Corp. and MediaTek Incorporation's operations, personnel and financial policies. Accordingly, the Group changed its method of accounting for its investments in AU Optronics Corp. and MediaTek Incorporation from the equity method to lower of aggregate cost or market value method.

Note E : Among the shares held by the Group in AU Optronics Corp., approximately 139,770 thousand shares with the book value of NT\$2,075 million was utilized as reference shares for the Group's zero couple exchangeable bonds issued in May 2002.

Note F : The long-term investments were not pledged.

F-24

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

10. Property, Plant and Equipment

As of December 31,

-----  
Accumulated

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	Cost	Depreciation
	----- NT\$'000	----- NT\$'000
Land	1,854,306	-
Buildings	15,458,094	(3,399,963)
Machinery and equipment	214,158,546	(90,988,564)
Furniture and fixtures	1,785,562	(893,914)
Leasehold improvements	93,535	(44,800)
Construction in progress and prepaid equipment	31,098,366	-
	-----	-----
	264,448,409	(95,327,241)
	=====	=====

	As of December 31,	
	Cost	Accumulated Depreciation
	----- NT\$'000	----- NT\$'000
Land	1,796,419	-
Buildings	16,985,813	(3,849,35)
Machinery and equipment	254,010,057	(126,402,76)
Furniture and fixtures	2,424,267	(1,161,37)
Leasehold improvements	86,319	(47,98)
Construction in progress and prepaid equipment	23,235,508	-
	-----	-----
	298,538,383	(131,461,47)
	=====	=====

- (1) Depreciation expense of NT\$24,403 million, NT\$34,390 million and NT\$36,568 million was incurred for each of the three years ended December 31, 2000, 2001 and 2002, respectively.
- (2) Total capitalized interest amounted to NT\$813 million, NT\$204 million and NT\$551 million for each of the three years ended December 31, 2000, 2001 and 2002, respectively.
- (3) The insurance coverage for property, plant and equipment was sufficient as of December 31, 2001 and 2002, respectively.
- (4) Please refer to Note 21 for property, plant and equipment pledged as collateral.

F-25

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

11. Short-term Loans

As of December 31,	
----- 2001	----- 2002
-----	-----

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	NT\$'000	NT\$'000
Unsecured bank loans	403,050	1,178,800
Secured bank loans	350,400	-
	-----	-----
Total	753,450	1,178,800
	=====	=====
Interest rates	0.59% - 9.50%	1.60%-2.02%
	=====	=====

(1) The Group's unused short-term lines of credits amounted to NT\$20,272 million and NT\$17,538 million as of December 31, 2001 and 2002, respectively.

(2) Please refer to Note 21 for assets pledged for short-term loans.

12. Bonds Payable

	As of December 31,	
	2001	2002
	-----	-----
	NT\$'000	NT\$'000
Secured domestic bonds payable	3,990,000	2,850,001
Unsecured domestic bonds payable	25,000,000	25,000,000
Euro convertible bonds payable	10,596,096	14,465,390
Exchangeable bonds payable	-	8,182,700
Compensation interest payable	4,415	83,392
	-----	-----
Subtotal	39,590,511	50,581,483
Less: Current portion	(1,140,000)	(1,139,999)
	-----	-----
Net	38,450,511	49,441,484
	=====	=====

(1) On April 27, 2000, the Company issued five-year secured bond amounting to NT\$3,990 million with stated interest rate of 5.6%. The bonds are repayable in installments every six months from April 27, 2002 to April 27, 2005.

(2) During the period from April 16 to April 27, 2001, the Company issued five-year and seven-year unsecured bonds totaling NT\$15,000 million, with face value of NT\$7,500 million, and stated interest rates of 5.1850% through 5.1195% and 5.2850% through 5.2170%, respectively. The five-year bonds and seven-year bonds are repayable starting from April 2004 to April 2006 and April 2006 to April 2008, respectively, both in three yearly installments at the rates of 30%, 30% and 40%.

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- (3) During the period from October 2 to October 15, 2001, the Company issued three-year and five-year unsecured bonds totaling NT\$10,000 million, each with face value of NT\$5,000 million, and with stated interest rates of 3.3912% through 3.420% and 3.4896% through 3.520%, respectively. The three-year bonds and five-year bonds are repayable in October 2004 and October 2006, respectively, upon the maturity of the bonds.
- (4) On December 12, 2001, the Company issued zero coupon convertible bonds amounting to US\$302.4 million on the Luxembourg Stock Exchange ("LSE"). The terms and conditions of the bonds are as follows:
- a. Final Redemption  
Unless previously redeemed, repurchased, cancelled or converted, the bonds will be redeemed at 101.675% of their principal amount on March 1, 2004.
  - b. Redemption at the Option of the Company  
The Company may redeem all, but not some only, of the bonds, subject to giving no less than 30 nor more than 60 days' advance notice, at the early redemption amount, provided that:
    - (a) On or at any time after June 13, 2003, the closing price of the ADSs on the New York Stock Exchange or other applicable securities exchange on which the ADSs are listed on any ADS trading day for 20 out of 30 consecutive ADS trading days ending at any time within the period of five ADS trading days prior to the date of the redemption notice shall have been at least 130% of the conversion price or last adjusted conversion price, as the case may be, on each such day, or
    - (b) At any time prior to maturity at least 90% in principal amount of the bonds have already been redeemed, repurchased, cancelled or converted.
  - c. Conversion Period
    - (a) In respect of the shares, on or after January 22, 2002 up to and including February 20, 2004 or
    - (b) In respect of the ADSs, on or after the later of January 22, 2002 and the date on which the shelf registration statement covering resales of certain ADSs issuable upon conversion of the bonds has been declared effective by the US SEC, up to and including February 20, 2004.

F-27

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

- d. Conversion Price  
The conversion price
  - (a) In respect of the Shares, will be NT\$69.60 per Share, and
  - (b) In respect of the ADSs, will be US\$10.098 per ADS.  
The applicable conversion price will be subject to adjustment for, among other things, subdivision or consolidation of Shares, including Shares represented by ADSs, bonus issues, right issues, distributions of cash and stock dividends and other dilutive events.

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(5) On May 10, 2002, the Company issued a LSE listed zero coupon exchangeable bonds exchangeable for common shares of AU Optronics, Corp. ("AU") with an aggregate principal amount of US\$235 million. The terms and conditions of the bonds are as follows:

a. Final Redemption  
Unless previously redeemed, exchanged or purchased and cancelled, the bonds will be redeemed at their principal amounts in US dollars on May 10, 2007.

b. Redemption at the Option of the Company  
The Company may redeem the bonds, in whole or in part, in principal amount thereof, on or after August 10, 2002 and prior to May 10, 2007 at their principal amount, if the market price of the AU common shares, translated into US dollars at the prevailing exchange rate, for a period of 20 consecutive Trading Days, the last of which occurs not more than 10 days prior to the date upon which notice of such redemption is published, is at least 120% of the Exchange Price then in effect translated into US dollars at the rate of NT\$34.645=US\$1.00.

The Company may also redeem the bonds, in whole, but not in part, at their principal amount if at least 90% in principal amount of the bonds has already been exchanged, redeemed or purchased and cancelled.

c. Redemption at the Option of Bondholders  
The Company will, at the option of the holders, redeem such bonds on February 10, 2005 at its principal amount.

d. Tax Redemption  
The Company may redeem all, but not part, of the bond, at any time at their principal amount in US dollars, in the event of certain changes in the ROC's tax rules which would require the Company to gross up for payments of principal, or to gross up for payments of interest or premium, if any, at a rate exceeding 20%.

F-28

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

e. Exchange  
Subject to prior permitted redemption and as otherwise provided in the offering, the bonds are exchangeable at any time on or after June 19, 2002 and prior to April 10, 2007, into AU shares or AU ADSs at an exchange price of NT\$58.25 per share, determined on the basis of a fixed exchange rate of NT\$34.645=US\$1.00; provided however, that if the exercise date falls within five business days from the beginning of, and during, any closed period, the right of the exchanging holder of the bonds to vote with respect to the shares it receives will be subject to certain restriction.

The Exchange Price will be subject to adjustment upon the occurrence of certain events including free distribution of AU common shares by AU; subdivision, consolidation or reclassification of AU common shares, distribution of stock dividends by AU, right issues and other dilutive events.

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- (6) On March 25, 2002, the Company's subsidiary UMCJ issued LSE listed zero coupon convertible bonds with an aggregate principal amount of (Yen)17,000 million and the issue price was set at 101.75% of the principal amount. The terms and conditions of the bonds are as follows.
- a. Final Redemption  
Unless previously converted, purchased and cancelled or redeemed, the bonds will be redeemed on March 26, 2007 at 100% of their principal amount.
  - b. Early Redemptions
    - (a) On or at any time after March 25, 2005, UMCJ may redeem all but not some of the bonds if the last selling price of the shares reported on the OTC Market in Japan is at least 120% of the conversion price then in effect for at least 20 out of 30 consecutive trading days ending on the trading day immediately prior to the date of the notice of redemption; or the principal amount that have not been redeemed, repurchased and cancelled or converted is equal to or less than 10% of original aggregate principal amount.

F-29

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

- (b) In case of a Corporate Split or Share Exchange/ Share Transfer, UMCJ may redeem all but not some of the bonds on or prior to the effective date of the transaction, subject to giving no less than 30 nor more than 60 days' notice at the redemption amount, provided that UMCJ is not able to ensure holders of the bonds to be able to convert them into shares of stock and other securities and property which they would have received had the bonds been converted into shares immediately prior to the transaction or if such supplemental indenture is objected by holders of bonds of at least a majority in principal amount.
  - (c) If a change in who controls UMCJ occurs, holders of the bonds will be able to require UMCJ to redeem their bonds on the date that is 85 days after the change of control occurs.
- c. Conversion Period  
At any time on or after May 3, 2002 to and including March 19, 2007.
  - d. Conversion Price  
The conversion price was set at (Yen)400,000 per share and may be adjusted for subdivision or consolidation of shares, rights issues, distribution of cash and stock dividends and other dilutive events.

### 13. Long-term Loans

As of December 31,	
2001	2002
-----	-----
-----	-----

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	NT\$'000	NT\$'000
Secured long-term loans	21,802,126	13,989,861
Unsecured long-term loans	3,022,875	5,531,250
Less: Current portion	(8,580,178)	(6,641,599)
	-----	-----
Net	16,244,823	12,879,512
	=====	=====
Interest rates	1.55% - 5.34%	0.95% - 3.35%
	=====	=====

- (1) The above long-term loans will be repaid by installments with the last payment on May 14, 2009.
- (2) The Group's long-term loans denominated in foreign currency amounted to US\$176 million, (Yen)18,423 million and US\$100 million, (Yen)18,750 million as of December 31, 2001 and 2002, respectively.
- (3) Assets pledged as collateral to secure these loans are detailed in Note 21, Assets Pledged as Collateral.

F-30

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

- (4) As of December 31, 2002, long-term loans payments that will become due during the next five years are (NT\$'000):

January 1, 2003 - December 31, 2003	6,641,599
January 1, 2004 - December 31, 2004	6,354,682
January 1, 2005 - December 31, 2005	3,804,140
January 1, 2006 - December 31, 2006	1,687,612
January 1, 2007 - December 31, 2007	668,078
January 1, 2008 & thereafter	365,000
	-----
Total	19,521,111
	=====

14. Pension Plan and Net Pension Cost

The following tables set forth the actuarial assumptions, funded status and amounts recognized for the Group's defined benefit pension plans:

	For the year ended December 31,				
	2000		2001		The Company
	The Company	UMCJ	The Company	UMCJ	
Discount rate	6.00%	3.00%	4.50%	2.00%	4.00%
Rate of compensation increase	6.00%	3.71%	6.50%	3.71%	5.50%
Expected return on plan assets	6.00%	4.62%	4.50%	1.00%	3.25%

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	As of December 31,	
	2001	2002
	NT\$'000	NT\$'
Change in benefit obligation during the year:		
Projected benefit obligation at January 1	(2,549,107)	(2,637,
Service cost	(375,812)	(427,
Interest cost	(142,885)	(110,
Benefits paid	7,881	9,
Gain (loss) on projected benefit obligation	422,860	(119,
Transition obligation	-	(3,
Projected benefit obligation at year end	(2,637,063)	(3,287,

F-31

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

	As of December 31,	
	2001	2002
	NT\$'000	NT\$'000
Change in pension assets during the year:		
Fair value of plan assets at January 1	693,559	824,092
Actual return on plan assets	22,096	16,250
Employer contributions	130,615	143,477
Benefits paid	(7,881)	(9,379)
Others	(14,297)	16,618
Fair value of plan assets at year end	824,092	991,058

	As of December 31,	
	2001	2002
	NT\$'000	NT\$'000
Funded status at year end:		
Fair value of plan assets	824,092	991,058
Projected benefit obligation	(2,637,063)	(3,287,327)
Funded status	(1,812,971)	(2,296,269)
Unrecognized transition obligation	326,000	296,565



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Unrecognized net actuarial loss	63,354	160,577
Accrued pension payable	(89,760)	(127,706)
Intangible assets	(74,946)	(63,953)
Others	(2,699)	-
	-----	-----
Accrued pension liabilities	(1,591,022)	(2,030,786)
	=====	=====

	For the year ended December 31,		
	2000	2001	2002
	-----	-----	-----
Components of net periodic cost for the year:	NT\$'000	NT\$'000	
Service cost	413,264	375,812	
Interest cost	115,600	142,885	
Expected return on plan assets	(34,870)	(38,335)	
Recognition of transition asset	39,367	38,523	
Recognition of actuarial loss	13,636	11,433	
	-----	-----	-----
Net periodic cost	546,997	530,318	
	=====	=====	=====

F-32

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

15. Capital Stock

- (1) As recommended by the board of directors and approved by the shareholders' meeting on May 30, 2001, the Company issued 1,864,243,516 new shares from the capitalization of retained earnings of NT\$17,151 million and employees' bonus of NT\$1,491 million with the effective date on July 21, 2001.
- (2) As recommended by the board of directors and approved by the shareholders' meeting on June 3, 2002, the Company issued 2,139,150,230 new shares from the capitalization of retained earnings of NT\$19,680 million and employees' bonus of NT\$1,711 million. The effective date of the issuance was on August 11, 2002.
- (3) As of December 31, 2002, 22,000,000,000 common shares were authorized to be issued and 15,474,845,646 common shares were issued, each at par of NT\$10.
- (4) The Company has issued 173,693 thousand ADSs as of December 31, 2002. The number of common shares represented by the ADSs is 868,467 thousand shares.
- (5) On September 11, 2002, the Company was authorized by the relevant government authorities to issue Employee Stock Options. The total number of options to be granted under the plan is one billion units,

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with each unit entitling the optionee to subscribe for one share of the Company's common stock. Settlement upon the exercise of the stock options will be made through the issuance of new shares by the Company. The grant period for options is six years and an optionee may exercise his/her options in accordance with certain schedules as prescribed by the plan starting from two years after the grant. The total number of option units outstanding as of December 31, 2002 was 928,059 thousand units and the exercise price for the options is NT\$20 per share.

F-33

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

#### 16. Treasury Stock

The Company bought back its own shares from the open market during the years ended December 31, 2001 and 2002. Details of the treasury stock transactions are as follows:

(In thousand shares)	Shares bought during the year ended December 31,	
Purpose	2001	2002
For transfer to employees	4,990	49,114
For conversion of the convertible bonds into shares	129,035	20,693
Total Shares	134,025	69,807

According to Stock Exchange Regulations of Taiwan, total shares of treasury stock shall not exceed 10% of the Company's stock issued. Total purchase amount shall not exceed the sum of retained earnings and capital reserve-premiums and realized capital reserve. The Company's treasury stock possession did not, at any time during 2002, violate the regulation stated above. As of December 31, 2002, the Company held 236,267 thousand shares of treasury stock, which amounted to NT\$8,819 million.

Treasury stock shall not be pledged, nor does it possess voting rights or receive dividends, in compliance with Stock Exchange Regulations of Taiwan.

#### 17. Retained Earnings

In accordance with the Company's Articles of Incorporation, current year's earnings, if any, shall be distributed in the following order:

- (1) Payment of all taxes and dues;
- (2) Offset prior years' operating losses;
- (3) Set aside 10% of the remaining amount after deducting items (1) and (2) as legal reserve;
- (4) Set aside 0.1% of the remaining amount after deducting items (1), (2) and (3) as directors' and supervisors' remuneration;

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- (5) After deducting items (1), (2) and (3) above from the current year's earnings, any portion of the remaining amount together with the prior years' unappropriated earnings is to be allocated as follows: no less than 5% as employees' bonus which will be settled through issuance of new shares of the Company; and
- (6) The distribution of the remaining portion, if any, will be recommended by the board of directors and approved by the shareholders' meeting.

F-34

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

The Company's Articles of Incorporation further provides that at least 50% of the dividends to the Company's shareholders, if any, must be paid in the form of stock dividends. Accordingly, no more than 50% of the dividends can be paid in the form of cash.

The appropriation of 2002 retained earnings has not yet been recommended by the board of directors as of the date of the Report of Independent Auditors. Information on board of directors' recommendations and shareholders' approvals can be obtained from the "Market Observation Post System" on the website of Taiwan Stock Exchange Corporation.

Details of the settlement of 2001 employees' bonus and remuneration of directors and supervisors are as follows:

	For the year ended December 31,	
	As approved by the shareholders' meeting	As recommended by the board of directors
1. Settlement of employees' bonus by issuance of new shares		
a. Number of shares (in thousands)	171,132	171,132
b. Amount (in thousands)	NT\$1,711,320	NT\$1,711,320
c. Percentage on total number of outstanding shares at end of year	1.30%	1.30%
2. Remuneration of directors and supervisors	-	-
3. Effect on earnings per share before retroactive adjustments		
a. Original basic and diluted loss per share	NT\$(0.24)	NT\$(0.24)
b. Revised basic and diluted loss per share taking into consideration the employees' bonus	NT\$(0.37)	NT\$(0.37)

F-35

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UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

18. Income Tax

Reconciliation between the income tax expense (benefit) and the income tax calculated on pre-tax financial income based on the statutory tax rate is as follows:

	For the year ended D	
	2000	2001
	NT\$'000	NT\$'0
Tax on pre-tax income (loss) at statutory tax rate	13,082,290	(1,641,5
Reduction in tax rate for technology park companies	(2,527,904)	
Variation in statutory tax rates for non-technology park companies and oversea entities	335,723	(227,0
Change in tax rate	-	(1,142,5
Tax exemption due to 4-year tax holiday	(3,889,913)	
Investment (income) loss	(1,126,984)	300,3
Gain on disposal of investments	(95,689)	(558,8
Change in valuation allowance against tax credit	1,171,575	6,861,9
Increase in investment tax credit	(6,459,674)	(8,842,3
Change in valuation allowance against loss carry-forward	(1,410,160)	
Estimated 10% corporate income tax on un-appropriated earnings	-	1,909,2
Adjustment of prior year's tax expense	(136,744)	201,4
Tax on interest income separately taxed	30,342	21,6
Other permanent differences	936,076	77,5
	-----	-----
Income tax (benefit) expense	(91,062)	(3,039,9
	=====	=====

F-36

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

Net current deferred tax assets are included in other current assets as of December 31, 2001 and 2002. Significant components of deferred tax assets and liabilities were as follows:

	As of December 31,	
	2001	2002
	-----	-----

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	NT\$'000	NT
Deferred tax assets		
Investment tax credit	18,626,824	22,62
Loss carry-forward	3,846,362	4,31
Allowance on sales returns and discounts	112,009	13
Allowance for loss on obsolescence of inventories	214,217	10
Pension	352,229	46
Organization Cost	30,382	
Others	317,680	22
	-----	-----
Total deferred tax assets	23,499,703	27,87
Valuation allowance	(10,932,530)	(14,03
	-----	-----
Net deferred tax assets	12,567,173	13,83
	-----	-----
Deferred tax liabilities		
Depreciation	4,195,274	5,28
Other	45,801	32
	-----	-----
Total deferred tax liabilities	4,241,075	5,60
	-----	-----
Total net deferred tax assets	8,326,098	8,22
	=====	=====
Net deferred tax assets - current	3,954,867	2,99
Net deferred tax assets - noncurrent	4,371,231	5,23
	-----	-----
Total net deferred tax assets	8,326,098	8,22
	=====	=====

The Company's income tax returns through the year 1999 have been assessed and approved by the Tax Authority except that of 1998.

The Company is located in the Hsin-Chu Science-Based Industrial Park (HSIP). In order for business operations to be eligible to locate in the HSIP, the operations must be high technology related manufacturing activities. Based on the HSIP regulations, a preferential income tax rate of 20%, instead of 25% applicable to other business entities located in Taiwan, is imposed on profits generated from HSIP business operations through the year 2000. Starting from 2001, the preferential income tax rate of 20% is no longer available to HSIP business operations and the standard tax rate of 25% is applied.

F-37

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

Pursuant to the "Statute for the Establishment and Administration of Science-Based Industrial Park", the Company was granted several four-year income tax exemption periods with respect to income derived from expansion of operations located in Hsin Chu Science-Based Industrial Park. The starting date of the exemption period attributable to the expansion in 1999 was not yet been elected by the Company. The other exemption periods will expire in December of 2007.

An enterprise earns an investment tax credit for the amount invested in emerging, important and strategic industries, production equipment, research and

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development expenditure, employee training expenditure and other related costs. This credit may be applied over a period of five years.

As of December 31, 2002, the Group's unused investment tax credit is as follows:

Expiration Year	Investment tax credits
	NT\$'000
2002	3,280,896
2003	3,974,393
2004	5,899,913
2005	3,493,821
2006	5,976,823
	22,625,846
	=====

Under the rules of the Income Tax Law, operating loss can be carried forward for five years. As of December 31, 2002, the unutilized accumulative loss brought forward amounted to NT\$16,402 million, which will expire in 2006 and 2007.

The new Taiwan imputation tax system requires that any undistributed current earnings, on tax basis of a company derived on or after January 1, 1998 be subject to an additional 10% corporate income tax if the earnings are not distributed before a specific time. This 10% additional tax on undistributed earnings paid by the company can be used as tax credit by shareholders, including foreign shareholders, against the withholding tax on dividends. In addition, the domestic shareholders can claim a proportionate share in the company's corporate income tax as tax credit against its individual income tax liability effective 1998.

F-38

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

The ending balance of unappropriated earnings available for 2002 appropriation amounted to NT\$23,005 million, of which NT\$64 million was earned prior to January 1, 1998.

As of December 31, 2002, the balance of imputation credit account ("ICA") was NT\$90 million. The actual creditable ratio for the appropriation of 2000 and 2001 retained earnings was 1.04% and 1.79%, respectively.

19. Earnings Per Share (shares expressed in thousands)

	For the year ended De	
	2000	2001
	NT\$'000	NT\$'000
Net income (loss)	50,780,378	(3,157,300)

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Effect of dilution:		
Convertible bonds	-	3,31
Adjusted net income (loss) assuming dilution	50,780,378	(3,153,99
Weighted average outstanding common shares	10,754,127	12,829,61
Effect of dilution:		
Employee stock options	-	
Convertible bonds	-	
Adjusted weighted average common shares assuming dilution	10,754,127	12,829,61
Retroactively adjusted weighted average outstanding common shares	14,545,699	14,920,84
Retroactively adjusted weighted average outstanding common shares assuming dilution	14,545,699	14,920,84
Earnings (loss) per share (in dollars) - basic and diluted	3.49	(0.2

According to financial guidelines issued in 2000, the Company's stock held by its subsidiaries are to be considered as treasury stock effective from 2002. According to ROC SFAS No.30, "Accounting for Treasury Stock", the calculation of basic earnings per share for the year ended December 31, 2001 is not required to be adjusted retroactively the Company's stock held by subsidiaries.

F-39

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

Pro forma information on earnings as if the Company's unconsolidated subsidiary Fortune Venture's investment in the Company is not treated as treasury stock is set out as follows:

(shares expressed in thousands)

	For the year ended Dec
	Basic
	NT\$'000
Net income	\$7,072,032
Outstanding weighted average shares at beginning	12,748,327
Stock dividends and employees' bonus at 16.30%	2,077,977
Weighted average treasury stock	(55,284)
Weighted average employee stock options accounted for under treasury stock method	-
Weighted average shares assume converted from convertible bonds	-
Outstanding weighted average shares	14,771,020
Earnings per share	
Net income (in dollars)	\$0.48

20. Related Party Transactions

Name of Related Parties	Relationship
AMIC Technology (Taiwan), Inc. (AMIC-Taiwan)	Investee company
Unimicron Technology Corp. (UTC)	Investee company
Holtek Semiconductor Inc. (Holtek)	Investee company
United Microelectronics (Europe) B.V. (UMC BV) (Note)	Investee company
MediaTek Incorporation (MediaTek)	The Company is its supervisor
Chiao Tung Bank (Chiao Tung)	The Company is its parent company's director and supervisor
Industrial Bank of Taiwan Corp. (IBT)	The Company is its major shareholder
Shin-Etsu Handotia Taiwan Co., Ltd. (Shin-Etsu)	The Company's investee is its director
Infineon Technologies, Asia Pacific Pte Ltd. (ITAP)	Affiliated company of UMCi

Note: UMC BV was a related party of the Group in the prior years since the Company's Chairman is a director of UMC BV. On May 15, 2002, the Company has acquired 100% interest in UMC BV and has included it in consolidation accordingly.

F-40

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

Significant transactions with related parties:

(1) Operating revenues

	For the year ended December 31,				
	2000		2001		Amount
	Amount	Percentage	Amount	Percentage	
	NT\$'000		NT\$'000		NT\$'000
MediaTek	4,938,704	4	3,776,580	6	9,637,7
UMC BV	11,922,113	11	6,038,583	9	
Others	11,856,181	10	5,249,313	7	6,682,0
Total	28,716,998	25	15,064,476	22	16,319,7

The sales to the above related parties were dealt with in the ordinary course of business with the sales price made in the way similar to the sales to third-party customers. The collection period for overseas sales was net 45~60 days for the related parties and third-party customers, while the terms for domestic sales were month-end 30~60 days for both the related parties as well as



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the third-party customers.

(2) Purchases

	For the year ended December 31,				
	2000		2001		
	Amount	Percentage	Amount	Percentage	Amount
	NT\$'000		NT\$'000		NT\$'000
Shin-Etsu	2,530,281	5	1,805,200	11	2,273,1
Others	1,455,213	3	255,872	2	219,2
Total	3,985,494	8	2,061,072	13	2,492,3

The purchases from the above related parties were dealt with in the ordinary course of business similar to those from third-party suppliers. The payment terms for purchase from overseas were net 30~60 days for the related parties and third-party suppliers, respectively, while the terms for domestic purchase were month-end 30~60 days and month-end 30~90 days for the related parties and third-party suppliers, respectively.

F-41

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

(3) Notes receivable

	As of December 31,			
	2001		2002	
	Amount	Percentage	Amount	Percentage
	NT\$'000		NT\$'000	
Holtek	77,843	36	-	-
Others	24,168	11	2,370	3
Total	102,011	47	2,370	3

(4) Accounts receivable, net

	As of December 31,	
	2001	2002

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	Amount	Percentage	Amount
	----- NT\$'000	-----	----- NT\$'000
MediaTek	1,046,372	12	1,431,362
Others	1,100,888	12	1,291,185
	-----	-----	-----
Subtotal	2,147,260	24	2,722,547
Less: Allowance for sales returns and discounts	(290,832)	(3)	(451,009)
Less: Allowance for doubtful accounts	(95,540)	(1)	(70,493)
	-----	-----	-----
Net	1,760,888	20	2,201,045
	=====	=====	=====

(5) Other current assets

	As of December 31,		
	2001		2002
	----- Amount	----- Percentage	----- Amount
	----- NT\$'000	-----	----- NT\$'000
ITAP	1,922,207	63	1,910,268
Others	28,095	1	-
	-----	-----	-----
	1,950,302	64	1,910,268
Less: Allowance for doubtful accounts	(705)	-	-
	-----	-----	-----
Net	1,949,597	64	1,910,268
	=====	=====	=====

F-42

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

(6) Accounts payable

	As of December 31,		
	2001		2002
	----- Amount	----- Percentage	----- Amount
	----- NT\$'000	-----	----- NT\$'000
Shin-Estu	455,749	16	375,116
Others	34,678	1	23,565

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Total	490,427	17	398,681
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(7) Loans

For the year ended December 31, 2001

	Maximum balance		Ending balance	Interest rate
	Amount	Month		
	NT\$'000		NT\$'000	
Chiao Tung	4,091,316	January	1,224,575	4.00%-7.00%
IBT	998,750	January	998,750	3.94%-6.42%
			2,223,325	

For the year ended December 31, 2002

	Maximum balance		Ending balance	Interest rate
	Amount	Month		
	NT\$'000		NT\$'000	
Chiao Tung	1,224,575	January	868,195	2.07%-4.00%
IBT	998,750	January	783,296	2.89%-3.94%
			1,651,491	

(8) Disposal of long-term investments

For the year ended December 31, 2000

	Item	Amount	Lo
		NT\$'000	NT
AMIC-Taiwan	Common stocks of AMIC Technology Inc.	135,000	8

The Group had no significant disposal of long-term investments to related parties for the years e

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(9) Disposal of property, plant and equipment

The Group had no significant disposal of property, plant and equipment to related parties for the years ended December 31, 2000 and 2002.

For the year ended December 31, 2001			
	Item	Amount	Gain
		NT\$'000	NT\$'000
Holtek	Building and facilities	173,250	31,468
		=====	=====

(10) Other significant related parties transactions

		For the year ended	
	Item	2000	2001
		NT\$'000	NT\$'000
UTC	Processing expenditures	299,239	92,111
Others	Service charges and processing expenditures, etc.	174,611	156,800
		473,850	249,000
		=====	=====

		For the year ended	
	Item	2000	2001
		NT\$'000	NT\$'000
Others	Facility revenues, etc.	109,696	115,900
		109,696	115,900
		=====	=====

21. Assets Pledged as Collateral

As of December 31, 2001 and 2002, the following assets have been pledged as collateral against certain obligations of the Group.

Book Value			
As of December 31,			
Assets Pledged	2001	2002	Purpose of
		NT\$'000	NT\$'000
Accounts receivable, net	2,798,906	-	Short-term loans
Restricted deposits	264,700	-	Long-term loans
Land	614,544	452,916	Long-term loans
Buildings	6,126,811	2,533,152	Long-term loans
Machinery and equipment	33,513,570	21,537,463	Long-term and sho

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Total	43,318,531	24,523,531
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F-44

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
 NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

22. Commitments and Contingencies

- (1) The Group's unused letters of credit for imports of machinery were approximately NT\$76 million as of December 31, 2002.
- (2) The Group has entered into contracts, amounted to approximately NT\$15.6 billion, with third parties for rights to use patents registered by the third parties. The contract period was from 1995 to 2011. Royalty payables for the consecutive 5 years starting from 2003 through 2007 are approximately NT\$2.5 billion, NT\$1.3 billion, NT\$1.3 billion, NT\$1.2 billion, and NT\$1.3 billion, respectively.
- (3) The Group has signed several construction contracts for the expansion of factory space. As of December 31, 2002, these construction contracts amounted to approximately NT\$10.3 billion and the unaccrued portion of the contracts was approximately NT\$4.8 billion.
- (4) On October 27, 1997, Oak Technology Inc. ("Oak") filed a complaint seeking a damage of US\$750 million in the Northern District of California alleging that the Company breached a Settlement Agreement entered on July 31, 1997 with respect to a settlement of a dispute between the Company and Oak concerning certain CD ROM controller products made by the Company and a patent owned by Oak. The Company denied Oak's allegations and on December 24, 1997, filed its answer and affirmative defenses refuting Oak's claims. Based on the allegations that it is Oak which has breached the Settlement, the Company simultaneously filed a counterclaim against Oak, seeking damages and a return of the millions paid to Oak under the Settlement. In addition, the Company further seeks a declaration that the Oak patent is invalid and/or unenforceable. Though Oak filed a complaint later with the International Trade Commission ("ITC") repeating the allegations made in the District Court, both the ITC and the Court of Appeals for the Federal Circuit issued a ruling affirming that there was no infringement and no violation.

Oak filed enforceable commitments that it would no longer seek recoveries in connection with the Oak patent and accordingly, the District Court concluded there was no longer dispute between Oak and the Company on the patent and the Company's claim for a declaration of invalidity and unenforceability will be dismissed. The Company intends to continue to defend these matters vigorously. Furthermore, the management does not believe the Oak complaints will have any material adverse impact on the Company's operations and/or financial performance.

F-45

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UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
 NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

- (5) The Group entered into several operating lease contracts. Future minimum lease payments under those leases with original maturities, which extend for more than one year as of December 31, 2002, are as follows:

For the year ended	Amount (NT\$'000)
December 31, 2003	207,633
December 31, 2004	211,732
December 31, 2005	202,364
December 31, 2006	168,738
December 31, 2007	154,116
January 1, 2008 and thereafter	2,160,103
Total	3,104,686

- (6) The Group entered into several wafer-processing contracts with its main clients. According to the contracts, the Group shall guarantee processing capacity, while the clients make deposits to the Group. In case the clients' orders do not meet the capacity guaranteed, the clients need to pay the Group penalties.
- (7) The Company entered into two three-year purchase agreements in January 2000 that committed the Company to purchase at least 75% of its 8-inch wafer consumption from two of its suppliers for the contract period.
- (8) As a condition precedent to the making of the loan contemplated by a US\$600 million Amortizing Term Loan Facility Agreement among UMCi, a subsidiary of the Company, and several financial institutions, the Company has provided a letter of undertaking to the financial institutions and Citicorp Investment Bank (Singapore) Ltd, the facility agent, to undertake that
- a. The Company shall continue to own and control, directly or indirectly, a minimum of 40% of the total issued and outstanding shares of UMCi. The Company shall also provide technical support to UMCi and maintain management control with no less than half seats of the board of directors.
  - b. The Company shall take necessary actions to ensure UMCi to have at least US\$600 million of issued and paid-in capital in cash by December 31, 2003, to make investments necessary to complete the 12-inch Fab Plant on time, and to meet all the obligations under the Facility Agreement.

23. Significant Disaster Loss

None.

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### 24. Significant Subsequent Event

- (1) The Company has granted 61 million in units of employee stock options on January 3, 2003 with an exercise price of NT\$22.5 per share.
- (2) After the special shareholders' meeting of Silicon Integrated Systems Corp. on January 14, 2003, the Company has held three seats of the board of directors. Silicon Integrated Systems Corp. is an investment of the Company accounted for under the cost method as of December 31, 2002.

### 25. Certain comparative amounts have been reclassified to conform with the current year's presentation.

### 26. Financial Instruments

- (1) The Group uses derivative financial instruments to manage its exposure to market risks associated with foreign currency exchange rate and interest rate fluctuations.

There were no derivative financial instruments outstanding as of December 31, 2001 and 2002 except for a forward exchange contract entered into by UMCJ in December 2001 as disclosed below.

- (2) UMCJ, a subsidiary of the Company, entered into foreign currency forward exchange contract with certain bank on December 17, 2001. The major information is as follows:

- a. Purposes: to manage certain risks arising from adverse fluctuations in foreign currency exchange rates.
- b. Notional amount and contract period:

As of December 31, 2001:

Notional amount	Contract period
US\$3million	January 4, 2002 ~ January 31, 2002

- c. Terms and characteristics of the forward exchange:
  - (a) Term: UMCJ agrees to purchase US\$3 million using the contracted forward rate in USD/(Yen)127.77 during the contract period.
  - (b) Credit risk: There is no significant credit risk with respect to the above transaction because the bank has good global standing.
  - (c) Market risk: The market risk is low due to the nature of the forward exchange.

F-47

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

- (3) Non-derivative financial instruments

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The carrying value and fair value (and methodologies used in estimating the fair value) of the Group's financial instruments at December 31, 2001 and 2002 were as follows:

	As of December 31, 2001		As of Decem
	Carrying Value	Fair Value	Carrying Value
	NT\$'000	NT\$'000	NT\$'000
Financial assets			
Assets with carrying value approximating fair value	86,007,360	86,007,360	92,970,431
Marketable securities	1,286,434	1,461,610	2,526,365
Long-term investments	40,756,678	82,879,283	38,673,496
	As of December 31, 2001		As of Decem
	Carrying Value	Fair Value	Carrying Value
	NT\$'000	NT\$'000	NT\$'000
Financial liabilities			
Liabilities with carrying value approximating fair value	22,085,770	22,085,770	19,193,135
Bonds payable	39,590,511	41,805,353	50,581,483
Long-term loans	24,825,001	24,825,001	19,521,111

The carrying amounts of cash and cash equivalents, notes receivable, accounts receivable, short-term loans, notes payable, accounts payable, income tax payable and accrued expenses approximate fair value because of their short maturities.

The fair value of marketable securities, long-term investments and bonds payable is based on the quoted market value. If the market values of marketable securities and long-term investments are unavailable, net assets of the investee companies are used as fair value.

The carrying value of long-term loans approximates the fair value as the loans bear floating rates.

F-48

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

27. Segment Information

- (1) Operations in different industries  
The Group operates principally in one industry. The Group's major business activity is the dedicated full services semiconductor wafer foundry.
- (2) Operations in different geographic areas

For the year ended December 31,



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	2000		2001		ope rev
	Net operating revenues	Long-lived assets	Net operating revenues	Long-lived assets	
	NT\$'000	NT\$'000	NT\$'000	NT\$'000	
Taiwan	29,331,178	154,190,745	20,205,163	157,851,031	29
Asia, excluding Taiwan	13,328,814	11,585,225	9,170,626	15,015,062	8
North America	50,452,837	123,529	26,394,408	120,366	28
Europe and others	22,496,510	-	14,046,602	-	8
	115,609,339	165,899,499	69,816,799	172,986,459	75

F-49

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

28. US GAAP Reconciliation

The accompanying consolidated financial statements have been prepared in conformity with generally accepted accounting principles in the Republic of China ("ROC GAAP"), which differ in certain material respects from generally accepted accounting principles in the United States ("US GAAP"). Such differences include methods of consolidation and methods for measuring the amounts shown in the financial statements, as well as additional disclosures required by US GAAP. Material GAAP differences are as follows:

(1) Compensation

Net income impact of compensation adjustments	For the year ended December	
	2000	2001
	NT\$'000	NT\$'000
US GAAP adjustments:		
Remuneration to directors	(433,039)	-
Employee bonuses		
Accrual	(3,429,670)	-
Adjustment to fair market value	(6,764,918)	(3,238,647)
Total employee bonuses	(10,194,588)	(3,238,647)
Allocation to inventories, net of allocations to inventories in prior period and sold in current period	1,287,138	(1,287,138)
Total net income adjustment relating to compensation	(9,340,489)	(4,525,785)

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	As of December 31,	
	2001	2002
	NT\$'000	NT\$'000
Stockholders' equity impact of compensation adjustments		
US GAAP adjustments:		
Remuneration to directors	-	(6,367)
Employee bonuses	-	73,335
Total stockholders' equity adjustment relating to compensation	-	66,968

Remuneration to Directors - The Company's Articles of Incorporation requires a cash remuneration payment to its directors. Under ROC GAAP, such payments are charged directly to retained earnings in the period shareholders approve such payment.

Under US GAAP, such cash payments should be recorded as compensation expense in the period when services are rendered. The difference between US GAAP and ROC GAAP in this area would result in adjustments to net income and stockholders' equity as shown in the above schedules.

F-50

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

Employee Bonuses - Certain employees of the Company are entitled to bonuses in accordance with provisions of the Company's Articles of Incorporation. Employee bonuses are determined as discussed in Note 17. Under ROC GAAP, such bonuses are appropriated from retained earnings in the period shareholders' approval is obtained. If such employee bonuses are settled through the issuance of stock, the amount charged against retained earnings is based on the par value of the common shares issued.

Under US GAAP, employee bonus expense is initially accrued when services are rendered and both the number of shares to be issued and the price per share are known. When bonuses are approved by the shareholders in the subsequent year, an additional compensation expense is recorded for the difference between the amount initially recorded and the fair market value of shares granted to employees. The difference between US GAAP and ROC GAAP in this area would result in adjustments to net income and stockholders' equity as shown in the above schedules. In addition, there is also a reclassification from retained earnings to capital reserve of NT\$24,128 million, NT\$27,367 million and NT\$ 29,305 million at December 31, 2000, 2001 and 2002.

(2) Equity Investments - Net income variance between US GAAP and ROC GAAP The Group's proportionate share of the income (loss) from an equity investee may differ if the equity investee's net income (loss) under ROC GAAP differs from US GAAP. The differences between ROC GAAP and US GAAP for the equity investees include accounting for compensation, technological know-how and investment in marketable securities, etc.

(3) Marketable Securities and Long-term Investments

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Under ROC GAAP, marketable securities are carried at the lower of aggregate cost or market value. Under US GAAP Statement of Financial Accounting Standards, ("SFAS") 115, "Accounting for Certain Investments in Debt and Equity Securities," debt and equity securities that have readily determinable fair values are to be classified as either trading, available-for-sale or held-to-maturity securities. Debt securities that the Group has the positive intent and ability to hold to maturity are classified as held-to-maturity securities and reported at amortized cost. Debt and equity securities that are bought and traded for short-term profit are classified as trading securities and reported at fair value, with unrealized gains and losses included in earnings. Debt and equity securities not classified as either held-to-maturity or trading securities are classified as available-for-sale securities and reported at fair value, with unrealized gains and losses excluded from earnings and reported in a separate component of stockholders' equity.

The Group holds marketable securities that are mainly classified as trading securities. The portion of trading gains and losses for the years ended December 31, 2000, 2001 and 2002 on trading securities still held at each of the respective balance sheet dates were NT\$0, NT\$19,868 and NT\$1,771,439 respectively.

F-51

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

The Group holds long-term investments in equity securities that are classified as available-for-sale securities. Information on sales of available-for-sale equity securities for the years ended December 31, 2000, 2001 and 2002 are as follows:

	Proceeds from sales	Gross realized gains	Gross realized losses
	NT\$'000	NT\$'000	NT\$'000
For the year ended December 31, 2000	1,755,924	488,748	62,887
For the year ended December 31, 2001	2,743,503	1,987,304	137,178
For the year ended December 31, 2002	8,530,551	6,520,197	264

Information on available-for-sale equity securities still held at each balance sheet date is as follows:

	Fair Value	Total unrealized gains	Total unrealized losses
	NT\$'000	NT\$'000	NT\$'000
As of December 31, 2001	54,485,301	40,367,986	(313,750)
As of December 31, 2002	35,127,937	19,322,091	(574,484)

The Group did not transfer any available-for-sale securities to trading

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securities for the years ended December 31, 2000, 2001 and 2002. The amount of gains (losses) reclassified from accumulated other comprehensive income into earnings on available-for-sale securities were NT\$46,229, NT\$169,049, and NT\$5,034,105 for the years ended December 31, 2000, 2001 and 2002, respectively.

Under ROC GAAP, if an investor company invests in equity securities that are traded in an open market and uses the cost method for valuation purposes, then an investor company shall recognize losses if evidence suggests that the value of an investment has been impaired and it is unlikely that the stock price will recover. The new cost of the long-term investment is the book value after recognizing the losses. Under US GAAP, for individual securities classified as either available-for-sale or held-to-maturity, an enterprise shall determine whether a decline in fair value below the amortized cost basis is other than temporary. If the decline in fair value is judged to be other than temporary, the cost basis of the individual security shall be written down to fair value as a new cost basis and the amount of the write-down shall be included in earnings. The new cost basis shall not be changed for subsequent recoveries in fair value. Subsequent increases in the fair value of available-for-sale securities shall be included in the other comprehensive income.

F-52

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

The Group has written down NT\$415 million, NT\$536 million and NT\$1,409 million under ROC GAAP against certain available-for-sale securities for the years ended December 31, 2000, 2001 and 2002. For US GAAP purpose, the Group further wrote down an additional NT\$296 million, NT\$3,305 million and NT\$781 million for the years ended December 31, 2000, 2001 and 2002. Among the NT\$1,409 million recognized under ROC GAAP for the year ended December 31, 2002, NT\$432 million had already been written down under US GAAP for the year ended December 31, 2001, which therefore has led to an increase in net income under US GAAP for the year ended December 31, 2002.

Under ROC GAAP, equity investments where a company has an ownership interest of at least 20% are generally required to be accounted for under the equity method. However, when there is evidence indicating that the investor company does not have significant influence over the equity investee, despite an ownership interest of 20% or more, the investor company should not account for the equity investee under equity method. On the contrary, when there is evidence indicating that the investor company has significant influence over the equity investee's operating and financial policies, despite an ownership interest of less than 20%, the investor company will account for the equity investee under equity method. Under US GAAP, the Group is required to use the equity method of accounting for an investment in common stock when the investment in voting stock gives it the ability to exercise significant influence over operating and financial policies of an investee. An investment (direct or indirect) of 20% or more of the voting stock of an investee leads to a presumption that in the absence of evidence to the contrary an investor has the ability to exercise significant influence over an investee. There were no significant differences between ROC GAAP and US GAAP on balance sheets as of December 31, 2001 and 2002 and on income statements for the three years ended December 31, 2000, 2001 and 2002.

#### (4) Treasury Stock and Gain on Disposal of Treasury Stock

Under ROC GAAP, when the Group's equity investee sells the Company's stock it recognizes the gain or loss in its statement of operations. Under US GAAP, the Group's equity in income (loss) of an investee is adjusted to eliminate the

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Company's proportionate share of any such gains or losses. Further, the Company's stock owned by an investee is proportionately deducted from the investment as treasury stock.

F-53

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

#### (5) Technological Know-how

The Group entered into three joint ventures from 1995 through 1996. Both the Group and the joint venture partner contributed cash to the joint ventures. In addition, the Group contributed technological know-how to the joint ventures for shares of the joint venture companies. The technological know-how contributed has not been recognized on the Group's balance sheet, as these were internally generated intangible assets with no carrying value. Both parties mutually agreed to the value of this transferred technological know-how before the transfer of shares.

Under ROC GAAP, the Group recognized the cash contributed as the initial cost of the investment. The difference between the proportionate share of the net assets in the joint venture and the cash contributed is amortized to income over the estimated useful life of the technological know-how, which is the source of this difference. Further, under ROC GAAP, the joint venture recognized a value for the technological know-how as an intangible asset contributed, which is the cause of the difference between the proportionate share of the net assets and the cash contributed.

Under US GAAP, the investor initially records its joint venture investment at cost, representing the amount of cash contributed and/or net book value of non-cash assets contributed. The joint venture normally records cash investments at the amount contributed, the non-cash assets at fair value and intangible assets at the predecessor basis, which is normally zero. The difference between the proportionate share of the net assets in the joint venture and the cost of the investments is amortized to income over a period of five years. The joint venture does not recognize value for the technological know-how contributed, thus causing a difference with ROC GAAP.

This practice only applies to entities that are being consolidated or accounted for under the equity method.

F-54

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

#### (6) Convertible and Exchangeable Bonds

##### Convertible Bonds

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When convertible securities are issued, ROC GAAP does not recognize or account for any beneficial conversion feature embedded in the securities. Under US GAAP, as prescribed in the Emerging Issues Task Force ("EITF") Topic D-60, as amended by EITF 98-5, Accounting for the Issuance of Convertible Preferred Stock and Debt Securities with a Non-detachable Conversion Feature, such beneficial

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conversion features should be recognized and measured by allocating a portion of the proceeds equal to the intrinsic value of that feature to capital reserve. That amount should be calculated at the issuance date as the difference between the conversion price and the fair value of the common stock, multiplied by the number of shares into which the security is convertible (intrinsic value). As a result, a bond discount is recognized by allocating a portion of the proceeds equal to the intrinsic value of that feature to capital reserve. The Group recognized interest expense of NT\$1,274 million from February 1994, the date of issuance of the bonds, to May 1994, the date of first conversion, relating to a NT\$1.5 billion bond. The Group also recognized interest expense of NT\$6,086 million from June 1994, the date of issuance of the bonds, to May 1996, the date of first conversion, relating to an US\$160 million bond.

The Group recognized interest expense of approximately NT\$800 million from May 10, 2000, the date of issuance of the bonds, to June 1, 2000, the date of first conversion, related to its (Yen)10 billion bond.

In addition, according to EITF 85-17, the Group recognized an imputed interest expense together with a compensation interest of NT\$570 million in total for the year ended December 31, 2002, relating to the US\$302.4 million zero coupon convertible bonds issued on December 12, 2001.

When a subsidiary or investee (the "Issuer") issues convertible bonds to other parties, including the parent or investor, and bonds are converted into shares of the Issuer, the parent's or investor's ownership in the Issuer may decrease. Also, the parent's or investor's ownership in the Issuer may increase upon conversion. Under ROC GAAP, this decrease or increase is treated as a one-time decrease or increase to capital reserve and /or retained earnings.

Under US GAAP, a decrease in ownership is recognized as a gain or loss in the income statement upon conversion, as long as the value of the proceeds can be objectively determined and the realization of the gain is reasonably assured at the time of conversion. Under US GAAP, for the years ended December 31, 2000, 2001 and 2002, approximately NT\$141 million, nil and NT\$9.5 million were reclassified from capital reserve to a gain in the income statement relating to these transactions.

F-55

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

Further under US GAAP, an increase in ownership is treated as a purchase of additional shares and the difference between the total cost of the investment and the proportionate share of the fair value net assets is first allocated to identifiable tangible and intangible assets and the remaining unallocated amounts to goodwill, which was amortized over their respective estimated useful lives up to January 1, 2002. Upon the first adoption of the SFAS No.141, "Business Combination" and SFAS No.142, "Goodwill and Other Intangible Assets" by the Group on January 1, 2002, goodwill created from acquisition is no longer to be amortized. Under US GAAP, for the year ended December 31, 2000, the Group capitalized goodwill of NT\$468.3 million related to a subsidiary's convertible bond, with NT\$49.4 million, NT\$93.7 million, and nil being amortized in the income statement for the years ended December 31, 2000, 2001, and 2002, respectively. Further, upon conversion of an equity investment's bond, which increased the Group's ownership, the difference of NT\$519 million between the total cost of the investment and proportionate share of the fair value net assets was being amortized over 5 years, which accounted for NT\$54.8 million and

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NT\$103.9 million for the years ended December 31, 2000 and 2001, respectively. Again, due to the first adoption of SFAS No.141 & 142 on January 1, 2002, no amortization was made for the year ended December 31, 2002. Details of the new accounting treatment on goodwill are set out in the footnote "Adoption of SFAS No.141 & 142" in the "Additional US GAAP Disclosures".

During the year ended December 31, 2002, the Group has invested a total amount of NT\$2,502 million in three convertible bonds. Under the SFAS No. 133, "Accounting for Derivative Instruments and Hedging Activities", an embedded derivative instrument shall be separated from the host contract and accounted for as a derivative instrument pursuant to the statement if a) the economic characteristics and risks of the embedded derivative instrument are not clearly and closely related to the economic characteristics and risks of the host contract, b) the contract that embodies both the embedded derivative instrument and the host contract is not remeasured at fair value with changes in fair value reported in earnings as they occur and c) a separate instrument with the same terms as the embedded derivative instrument would be a derivative instrument subject to the requirements of SFAS No. 133. For an available-for-sale convertible debt securities, the conversion option embedded must be separated from the debt host contract and accounted for as a derivative instrument provided that the conversion option would, as a freestanding instrument, be a derivative instrument subject to the requirement of SFAS No. 133 since the embedded conversion option satisfied the above three criteria. As a result, the embedded option contracts in the convertible bonds with the initial amount of NT\$104 million in total at date of purchase were separated from the debt host contracts and were accounted for as trading securities reporting at fair value, with unrealized loss of NT\$25 million included in earnings for the year ended December 31, 2002. On the other hand, the debt host contracts with the initial amount of NT\$2,397 million were classified as available-for-sale securities, with an unrealized gain of NT\$46 million reported in other comprehensive income.

F-56

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

#### Exchangeable Bonds

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Bonds that are exchangeable into common stock of a third party is an expansion on the concept of convertible bonds.

Under ROC GAAP, when exchangeable bondholders exercise their rights to exchange for the reference shares, the book value of bonds is to be offset with the book value of the investment in the reference shares together with the related stockholder's equities, with the difference recognized as gain or loss on disposal of investments.

Under US GAAP, as prescribed by SFAS No.133 and discussed above, the exchangeable feature within exchangeable bonds is an embedded equity derivative within a debt instrument that satisfies the three criteria which requires it to be bifurcated and separately accounted for. The fair value of the exchangeable option feature of the Group's first exchangeable bonds issued in May 2002 was measured as NT\$2,025 million as at the date of issuance, which resulted to a reclassification from the bond value to financial instrument liability under US GAAP, accordingly. As of December 31, 2002, the fair value of the option has decreased by NT\$1,752 million, resulting in a gain being recognized for the year ended December 31, 2002 under US GAAP.

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- (7) Principle of Acquisition under the Purchase Method  
 Under ROC GAAP, the fair value of the net assets received is deemed to be the value of the consideration for the acquisition of the remaining interests in United Semiconductor, United Silicon, UTEK Semiconductor and United Integrated Circuits and is reflected in the common stock and capital reserve in the balance sheet. The Group estimated the fair value of the net assets acquired through two valuation models, profitability and net worth model, and a discounted cash flows model. They also used other considerations such as the valuation of current operations, synergies, technical knowledge and future prospects. Under US GAAP, the acquisition was accounted for using the purchase method of accounting and the purchase price was determined using the market value of the shares exchanged. The difference between the fair value of the shares exchanged and the fair value of the net assets acquired creates goodwill. Goodwill was amortized on a straight-line basis over ten years. Upon the adoption of SFAS No.141 & 142 on January 1, 2002 by the Group, the goodwill ceased to be amortized and is subject to impairment test only. The details of the adoption of SFAS No.141 & 142 are set out in the "Additional US GAAP Disclosures". The purchase price under US GAAP was determined based on the average closing market price of the Company's stock on the five trading days beginning two days before June 16, 1999, the first day of trading after the announcement of the acquisition to determine the fair values of the shares exchanged.

F-57

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

The purchase price was allocated to the tangible and intangible assets and liabilities acquired based on their estimated fair values at January 3, 2000, as follows (in NT\$ millions):

Current assets	\$38,188
Other assets	47,673
Liabilities	(43,318)
Goodwill	122,835
	-----
Purchase price	\$165,378
	=====

As of January 1, 2002, the carrying value of the unamortized balance of the goodwill was measured as NT\$98,268 million.

- (8) Earnings Per Share  
 Under ROC GAAP, basic earnings per share are calculated by dividing net income by the weighted average number of shares outstanding during the year. Diluted earnings per share is calculated by taking basic earnings per share into consideration plus additional common shares that would have been outstanding if the dilutive share equivalents had been issued. The net income would also be adjusted for the interest derived from any underlying dilutive share equivalents. The weighted-average outstanding shares are restated for stock dividends issued and shares issued for employee bonuses, as described under (1) Compensation above.

Under US GAAP, basic earnings per share is calculated by dividing net income by the weighted average number of shares outstanding during the year. Diluted earnings per share are calculated by taking into consideration additional common shares that would have been outstanding if the dilutive share equivalents had been issued. The net income would also



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be adjusted for the interest derived from any underlying dilutive share equivalents.

(9) Tax Effect of US GAAP Adjustments

Undistributed earnings generated after 1997 are subject to a 10% tax in compliance with the Income Tax Law of the ROC. Under ROC GAAP, the 10% tax on undistributed earnings is recorded as an expense at the time shareholders resolve that its earnings shall be retained. Under US GAAP, the Group would measure its income tax expense, including the tax effects of temporary differences, using the tax rate that includes the tax on undistributed earnings.

F-58

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

(10) Principles of Consolidation

Under ROC GAAP, certain 50% or more owned subsidiaries are not consolidated if they meet specific exclusion rules detailed in the accounting policies footnote. Under US GAAP, the Company consolidates those subsidiaries which are excluded from consolidation under ROC GAAP due to the exclusion rules (Fortune Venture Capital Corporation, UMC Capital Corporation, United Microelectronics Corp. (Samoa), and United Foundry Services, Inc.) The net income and stockholders' equity variances between US GAAP and ROC GAAP for those entities are included in the adjustment for equity investments.

(11) Stock Dividends

Under ROC GAAP, stock dividends are recorded at par with a charge to retained earnings. Under US GAAP, if the ratio of distribution is less than 25 percent of the same class of shares outstanding, the fair value of the shares issued should be charged to retained earnings. The accumulative effect of these dividends would have decreased retained earnings and increased capital reserve for the years ended December 31, 2000, 2001 and 2002 by approximately NT\$127,880 million, NT\$187,416 million and NT\$243,546 million, respectively.

(12) Gain on Disposal of Fixed Assets

Under ROC GAAP, gains and losses from the disposal of fixed assets are both recognized in the statement of operations, with gains reclassified from retained earnings to capital reserve. However, according to amendments in ROC Company Law, such transfer of gains to capital reserve shall no longer be required with effect on January 1, 2001. Under US GAAP, the reclassification of the gain from retained earnings is not permitted. The effect of this gain would have increased retained earnings and decreased capital reserve for the years ended December 31, 2000 by NT\$173 million. According to the new amendments in ROC Company Law, such gains transferred to capital reserve in previous years can be reclassified to retained earnings subject to shareholder's approval. An amount of NT\$171 million was then transferred from capital reserve to retained earnings during the year ended December 31, 2002 under ROC GAAP.

(13) Gross Profit

Inventory loss provision, gain from disposal of property, plant and equipment, and gain from foreign currency exchange were presented below the operating income subtotal in the statement of operations as permitted under ROC GAAP. Under US GAAP, the inventory loss provision is included in the determination of gross profit. Further, the inventory loss provision, gain

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from disposal of property, plant and equipment, and gain from foreign currency exchange are included in the determination of operating income.

F-59

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

(14) Reclassification of Certificates of Deposit

Under ROC GAAP, cash and cash equivalents include certificates of deposit. Under US GAAP, cash equivalents are short-term, highly liquid investments that are readily convertible to cash with original maturities of three months or less. Thus, certificates of deposit with original maturities of greater than three months are classified as cash equivalents under ROC GAAP but should be included in marketable securities for trading purpose under US GAAP.

(15) Employee Stock Options

The Group has elected to follow Accounting Principles Board Opinion No. 25, "Accounting for Stock Issued to Employees" (APB 25) and related interpretations in accounting for its employee stock options because, as discussed below, the alternative fair value accounting provided for under SFAS No. 123, "Accounting for Stock-Based Compensation", requires use of option valuation models that were not developed for use in valuing employee stock options. Under APB 25, because the exercise price of the Company's employee stock options equals the market price of the underlying stock on the date of grant, no compensation expense is recognized for the Company.

On September 11, 2002, the Company was authorized to issue Employee Stock Options. The total number of options to be granted under the plan is one billion units, with each unit entitling the optionee to subscribe for one share of the Company's common stock. The grant period for options is six years and an optionee may exercise his/her options starting from two years after the grant: employees may exercise up to 50% of the options after two years, up to 75% after three years and up to 100% after four years. The total number of option units outstanding as of December 31, 2002 was 928,059 thousand units and the exercise price for the options is NT\$20 per share.

Pro forma information regarding net income and earnings per share is required by SFAS No. 123, and has been determined as if the Group had accounted for its employee stock options under the fair value method of that Statement. The fair value for these options was estimated at the date of grant using a Black-Scholes option pricing model with the following weighted-average assumptions, respectively: risk-free interest rate of 1.98%; dividend yields of 22.63%; volatility factors of the expected market price of the Company's common stock of 0.54; and a weighted-average expected life of the option of 4.4 years.

The Black-Scholes option valuation model was developed for use in estimating the fair value of traded options which have no vesting restrictions and are fully transferable. In addition, option valuation models require the input of highly subjective assumptions including the expected stock price volatility. Because the Group's employee stock options have characteristics significantly different from those of traded options, and because changes in the subjective input assumptions can materially affect the fair value estimate, in management's opinion, the existing models do not necessarily provide a reliable single measure of the fair value of its employee stock options.

F-60

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

For purposes of pro forma disclosures, the estimated fair value of the options is amortized to expense over the options' vesting period. The Group's pro forma information follows (in thousands except for earnings per share information):

	For the year ended December 31,		
	2000	2001	2002
	NT\$'000	NT\$'000	NT\$'000
Net income, as reported under US GAAP	27,133,811	(23,246,991)	293,653
Add: Stock-based employee compensation expense included in reported net income, net of related tax effects	-	-	5,387
Deduct: Total stock-based employee compensation expense determined under fair value based method for all awards, net of related tax effects	(170,382)	(284,663)	(398,583)
Pro forma net income	26,963,429	(23,531,654)	(99,543)
Earnings (loss) per share (in dollars):			
Basic and diluted - as reported	1.91	(1.58)	0.02
Basic and diluted - pro forma	1.90	(1.60)	(0.01)

The pro forma net income effect for the year ended December 31, 2000 and 2001 is mainly attributable to the employee stock options issued by a subsidiary of the Company.

F-61

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

A summary of the Company's stock option activity, and related information for the years ended December 31, 2002 follows:

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2002

	Options (in thousands)	Weighted-Average Exercise Price
Outstanding-beginning of year	-	-
Granted	939,000	NT\$20
Exercised	-	-
Forfeited	(10,941)	20
Outstanding-end of year	928,059	20
Exercisable at end of year	-	-
Weighted-average fair value of options granted during the year	NT\$1.07	

Exercise price for options outstanding as of December 31, 2002 is NT\$20. The weighted-average remaining contractual life of those options is 5.8 years.

(16) Summarized financial information

Summarized financial information for equity investees is as follows:

	As of December 31,		
	2001	2002	
	NT\$'000	NT\$'000	US\$'000
Current assets	31,945,226	33,313,560	960,045
Noncurrent assets	28,490,053	26,004,109	749,398
Current liabilities	14,219,013	11,641,482	335,489
Noncurrent liabilities	3,700,242	5,396,573	155,521

	For the year ended December 31,			
	2000	2001	2002	
	NT\$'000	NT\$'000	NT\$'000	US\$'000
Net sales	58,418,686	32,824,736	38,718,123	1,115,796
Gross profit	16,886,102	4,521,406	8,728,242	251,534
Net income (loss)	729,303	(5,411,366)	(147,825)	(4,260)

F-62

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Reconciliation of Consolidated Net Income

	For the year ended December		
	2000	2001	
	NT\$'000	NT\$'000	NT\$'000
Net income (loss), ROC GAAP	50,780,378	(3,157,302)	7,07
US GAAP adjustments:			
(1) Compensation	(9,340,489)	(4,525,785)	(7,34
(2) Equity investments:			
(1) Compensation	(1,083,503)	(1,488,490)	(47
(3) Marketable securities	(491,032)	45,989	(6
(5) Technological know-how	23,344	22,928	2
(6) Convertible bonds	(414,886)	-	
(4) Treasury stock	(20,547)	(10,557)	
Other	(116,852)	(356,933)	(8
(3) Investment (loss) income	(15,242)	315,737	3
(3) Impairment loss in marketable securities	(295,869)	(3,304,929)	(34
(5) Gain on technological know-how contributed to foundry venture investee	828,698	-	
(6) Adjustments due to change in interest of investee companies	563,311	795,851	44
(6) Embedded derivatives	-	-	1,75
(6) Convertible/Exchangeable bonds	-	-	(69
(7) Consolidated goodwill amortization	(12,283,500)	(12,283,500)	
(9) Income tax effect	(1,000,000)	700,000	(2
Net income (loss), US GAAP	27,133,811	(23,246,991)	29
(8) Basic and diluted earnings/(loss) per share under US GAAP (in dollars)	1.91	(1.58)	
Weighted-average number of shares outstanding - basic (in thousands)	14,179,447	14,671,293	14,65
Weighted-average number of shares outstanding - diluted (in thousands)	14,179,447	14,671,293	14,72
Other comprehensive loss, ROC GAAP	(2,241,077)	(631,401)	(62
(3) Marketable securities - available for sale	225,636	40,750,908	20,14
Translation adjustments	3,254	59,085	
Other comprehensive (loss) income, US GAAP	(2,012,187)	40,178,592	19,52

F-63

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

Reconciliation of Gross Profits

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	For the year ended December		
	2000	2001	
	NT\$'000	NT\$'000	NT\$'000
Gross profit, ROC GAAP	58,198,294	9,248,890	12,533,333
(1) Compensation	(6,526,306)	(3,434,607)	(5,411,111)
(13) Inventory loss provision	(610,327)	(1,529,823)	(955,556)
Consolidation of unconsolidated subsidiaries	(78,753)	(136,676)	
Gross profit, US GAAP	50,982,908	4,147,784	6,161,111

Reconciliation of Operating Revenues

	For the year ended December		
	2000	2001	
	NT\$'000	NT\$'000	NT\$'000
Operating income (loss), ROC GAAP	47,543,397	(6,412,253)	112,333
(1) Compensation	(9,340,489)	(4,525,785)	(7,348,889)
(7) Consolidated goodwill amortization	(12,332,937)	(12,377,169)	
(13) Inventory loss provision	(610,327)	(1,529,823)	(955,556)
(13) Gain on disposal of property, plant and equipment	99,700	(45,523)	14,111
(13) Foreign currency exchange gain	2,920,585	664,794	(104,444)
Consolidation of unconsolidated subsidiaries	(4,516)	2,480	(24,444)
Operating income (loss), US GAAP	28,275,413	(24,223,279)	(8,306,111)

F-64

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

Reconciliation of Consolidated Stockholders' Equity

	As of December 31,	
	2001	2000

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	NT\$'000	NT\$'000
Total stockholders' equity, ROC GAAP	213,322,253	217,424,485
(1) Compensation	-	66,973
(2) Equity investments:		
(1) Compensation	(157,231)	(127,980)
(3) Marketable securities - trading	81,634	24,788
(3) Marketable securities - available for sale	443,030	1,560,602
(5) Technological know-how	(57,398)	(33,867)
Translation adjustments	5,019	(464)
Other	(485,030)	(455,226)
(3) Change in fair value of marketable securities	40,325,522	18,617,474
(3) Impairment loss on marketable securities	(3,304,929)	(3,654,106)
(4) Treasury stock	(176,221)	(8,024)
(6) Adjustments due to change in interest of investee companies	1,527,584	1,604,517
(6) Convertible/ Exchangeable bonds	-	(691,394)
(6) Embedded derivatives	-	1,752,039
(7) Unamortized goodwill due to acquisition	98,268,000	98,268,000
(9) Income tax effect	(300,000)	(323,000)
	-----	-----
Stockholders' equity, US GAAP	349,492,233	334,024,817
	=====	=====

F-65

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

Movements in Stockholders' Equity in Accordance with US GAAP

	As of December 31,		
	2000	2001	2002
	NT\$'000	NT\$'000	NT\$'000
Balance at January 1,	89,876,907	326,985,321	349,492,233
(1) Compensation	7,551,811	6,668,317	7,415,000
(2) Adjustment of capital reserve and retained earnings accounted for under equity method	1,842,027	1,395,559	197,000
(3) Change in fair value of marketable securities - the Company	(599,340)	41,167,526	(20,936,000)
(3) Change in fair value of marketable securities - equity investees	(2,544,912)	1,152,094	(545,000)
Common stock for the conversion of convertible bonds issued	3,429,132	-	-
Adjustment due to change in ownership of investee companies	2,521,277	(344,213)	20,000
(4) Treasury stock	(5,159,240)	(4,599,643)	(2,743,000)
(4) Capital reserve from gain on disposal of			

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treasury stock	20,547	296,018	
Cumulative translation adjustment on foreign long-term investment	(507,778)	(128,841)	829,
(5) Adjustment due to technological know-how contributed to a joint venture investee	1,082,349	-	
(7) Issue new shares for the shares swapped regarding to the merger-par value	23,836,503	-	
(7) Capital reserve due to merger	139,987,454	-	
Shares issued for American Depository Shares	38,514,773	147,086	
Net income (loss)	27,133,811	(23,246,991)	293,
	-----	-----	-----
Balance at end of the year	326,985,321	349,492,233	334,024,
	=====	=====	=====

F-66

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

Summarized US GAAP balance sheet and income statement information is presented below:

	As of December 31,		
	2001	2002	
	NT\$'000	NT\$'000	US\$'000
Current assets	101,376,483	102,492,091	2,953,662
Noncurrent assets	355,502,958	340,152,950	9,802,679
Current liabilities	34,538,996	29,987,400	864,190
Noncurrent liabilities	57,253,331	62,608,692	1,804,285
Minority interests	15,594,881	16,024,132	461,791

  

	For the year ended December 31,			
	2000	2001	2002	
	NT\$'000	NT\$'000	NT\$'000	US\$'000
Net operating revenues	115,616,117	69,816,030	75,425,356	2,17
Cost of goods sold	(64,633,209)	(65,668,246)	(69,257,538)	(1,99
Operating income (loss)	28,275,413	(24,223,279)	(8,306,463)	(23
Net income (loss)	27,133,811	(23,246,991)	293,653	

A reconciliation of the significant balance sheet accounts under ROC GAAP to the amounts determined under US GAAP is as follows:

	As of December 31,	
	2001	2002



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	NT\$'000	NT\$'000
Cash and cash equivalents:		
As reported under ROC GAAP	76,904,068	80,883,408
Consolidation of unconsolidated subsidiaries	564,450	864,733
Reclassification to marketable securities	(19,642,617)	(27,529,070)
As adjusted under US GAAP	57,825,901	54,219,071
Marketable Securities, trading:		
Reported as marketable securities under ROC GAAP	1,286,434	2,526,365
Reclassification from cash & cash equivalents	19,642,617	21,548,110
Reclassification to marketable securities, available-for-sale	-	(2,397,448)
Change in fair value of marketable securities	19,868	50,074
As adjusted under US GAAP	20,948,919	21,727,101

F-67

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

	As of December 31,	
	2001	2000
	NT\$'000	NT\$'000
Represented by:		
Trading securities - current	20,948,919	20,680,374
Trading securities - noncurrent	-	1,046,727
	20,948,919	21,727,101
Long-term Investments:		
As reported under ROC GAAP	40,756,678	38,673,496
Consolidation of unconsolidated subsidiaries	(573,844)	(833,683)
Equity investments compensation	(157,231)	(127,980)
Change in fair value of marketable securities	40,305,654	18,567,400
Impairment loss in marketable securities	(3,304,929)	(3,654,106)
Treasury stock	(176,221)	(8,024)
Reclassification from ROC GAAP marketable securities	-	2,397,448
Reclassification to held-to-maturity securities	-	(873,000)
Equity investments	1,189,663	2,375,037
As adjusted under US GAAP	78,039,770	56,516,588
Marketable Securities, held-to-maturity		
As reported under ROC GAAP	-	-
Reclassification from long-term investments	-	873,000

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Reclassification from cash and cash equivalents	-	5,980,960
	-----	-----
As adjusted under US GAAP	-	6,853,960
	=====	=====
Other Assets:		
As reported under ROC GAAP	1,708,359	1,558,655
Consolidation of unconsolidated subsidiaries	2,756	1,184
	-----	-----
As adjusted under US GAAP	1,711,115	1,559,839
	=====	=====
Goodwill:		
As reported under ROC GAAP	-	-
Goodwill upon conversion of convertible bonds	325,302	325,302
Goodwill due to acquisition	98,268,000	98,268,000
	-----	-----
As adjusted under US GAAP	98,593,302	98,593,302
	=====	=====

F-68

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

	As of December	
	2001	
	-----	-----
	NT\$'000	NT\$'000
Accrued Expenses:		
As reported under ROC GAAP	5,678,713	4,032,47
Consolidation of unconsolidated subsidiaries	(3,051)	1,57
Accrued interest for convertible bonds	-	490,54
Compensation	-	6,36
	-----	-----
As adjusted under US GAAP	5,675,662	4,530,95
	=====	=====
Financial Instrument Liabilities:		
As reported under ROC GAAP	-	
Bifurcated exchangeable feature in exchangeable bonds	-	273,22
	-----	-----
As adjusted under US GAAP	-	273,22
	=====	=====
Minority Interests:		
As reported under ROC GAAP	15,594,468	16,023,88
Consolidation of unconsolidated subsidiaries	349	31
Others	64	(7
	-----	-----
As adjusted under US GAAP	15,594,881	16,024,13
	=====	=====

F-69

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

## Cash Flows Information

	For the year ended	
	2000	2001
	NT\$'000	NT\$'000
Cash flows from operating activities, ROC GAAP	68,077,184	40,187,493
Payments made for directors' remuneration	(95,737)	(433,039)
Difference due to principles in consolidation	(4,327)	31,012
Cash flows from operating activities, US GAAP	67,977,120	39,785,466
Cash flows from investing activities, ROC GAAP	(73,682,697)	(43,257,044)
Net effect of certificates of deposit reclassified to marketable securities	66,175	(17,431,532)
Difference due to principles in consolidation	100,628	429,379
Cash flows from investing activities, US GAAP	(73,515,894)	(60,259,197)
Cash flows from financing activities, ROC GAAP	41,410,673	18,184,354
Payments made for directors' remuneration	95,737	433,039
Difference due to principles in consolidation	(118,900)	-
Cash flows from financing activities, US GAAP	41,387,510	18,617,393
Foreign exchange effect, ROC GAAP	(137,522)	(680,808)
Difference due to principles in consolidation	(88,799)	12,762
Foreign exchange effect, US GAAP	(226,321)	(668,046)
Net increase in cash and cash equivalents, ROC GAAP	35,667,638	14,433,995
Net effect of certificates of deposit reclassified to marketable securities	66,175	(17,431,532)
Difference due to principles in consolidation	(111,398)	473,153
Net increase (decrease) in cash and cash equivalents, US GAAP	35,622,415	(2,524,384)
Cash and cash equivalents at beginning of year, US GAAP	24,727,870	60,350,285
Cash and cash equivalents at end of year, US GAAP	60,350,285	57,825,901

F-70

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### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

#### Concentration of credit risk

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The Group designs, develops, manufactures and markets a variety of semiconductor products. Financial instruments that potentially subject the Group to significant concentrations of credit risk consist principally of cash and cash equivalents and trade accounts and notes receivable. The Group limits its exposure to credit loss by depositing its cash and cash equivalents with high credit quality financial institutions. The Group's revenues and trade accounts and notes receivable are derived primarily from the sale of production foundry wafers, including memory and logic products and wafers. For the years ended December 31, 2001 and 2002, the Group distributes its products on a global basis but mainly to customers in North America (37.81% and 37.64%, respectively), Asia (42.07% and 51.25%, respectively,) and Europe and others (20.12% and 11.11%, respectively). The Group's sales are primarily denominated in currencies other than NT Dollars, primarily US Dollars. One customer's revenue represented 11% of the consolidated revenue for the year ended December 31, 2001 while two customers' revenue represented 12% and 13%, respectively, of the consolidated revenue for the year ended December 31, 2002. The Group routinely assesses the financial strength of substantially all customers. For significant domestic sales the Group also requires certain collateral to mitigate the credit risk.

#### Adoption of SFAS No.141 and 142

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In June 2001, the Financial Accounting Standard Board (FASB) issued Statement of Financial Accounting Standards (SFAS) No. 141, "Business Combinations", and SFAS No. 142, "Goodwill and Other Intangible Assets". SFAS No. 141 requires that the purchase method of accounting be used for all business combinations initiated after June 30, 2001 as well as all purchase method business combinations completed after June 30, 2001. SFAS No. 141 also specifies criteria intangible assets acquired in a purchase method business combination must meet to be recognized and reported apart from goodwill, noting that any purchase price allocable to an assembled workforce may not be accounted for separately. SFAS No. 142 requires that goodwill and intangible assets with indefinite useful lives should no longer be amortized, but instead be tested for impairment at least annually in accordance with the provisions of SFAS No. 142. SFAS No. 142 also requires that intangible assets with estimable useful lives be amortized over their respective estimated useful lives to their estimated residual values, and reviewed for impairment in accordance with SFAS No. 144, "Accounting for the Impairment or Disposal of Long-lived Assets".

The Group adopted SFAS No.141 & 142 on January 1, 2002. Upon adoption, the Group did not identify additional intangible assets related to previous acquisitions and the goodwill created from the acquisition of the remaining interests in United Semiconductor, United Silicon, UTEK Semiconductor and United Integrated Circuits prior to June 30, 2001 as well as those created from the acquisition of an equity investee were no longer to be amortized but instead subject to impairment test annually or when indication of impairment is noted. Similarly, the goodwill created upon conversion of convertible bonds ceased to be amortized. The annual goodwill impairment test performed by the Group did not result in the recognition of any impairment loss as of December 31, 2002.

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### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

As of January 1, 2002, the unamortized goodwill amounted to NT\$98,593 million, and unamortized equity-method goodwill (included in long-term investment) amounted to NT\$526 million. The information on net income exclusive of amortization expense related to the above mentioned goodwill is presented as follows:

	For the year ended	
	2000	2001
	NT\$'000	NT\$'000
Net income (loss) as reported under US GAAP	27,133,811	(23,246,991)
Add back: amortization of goodwill	12,332,937	12,377,169
Add back: amortization of equity-method goodwill	131,758	180,811
Adjusted net income	39,598,506	(10,689,011)
Basic and diluted earnings per share:		
Net income (loss) as reported under US GAAP	1.91	(1.58)
Goodwill amortization	0.87	0.84
Equity-method goodwill amortization	0.01	0.01
Adjusted net income	2.79	(0.73)

On May 15, 2002, the Company acquired 100% of the interest in UMC BV with a cash consideration of approximately NT\$187 million. UMC BV is principally engaged in the business of sales of semiconductor products and providing related foundry services. The Company expected to develop UMC BV into its major communication channel on sales to Europe.

The estimated fair value of the assets acquired and liabilities assumed at the date of acquisition are summarized as follows:

	At May 15, 2002
	NT\$'000
Cash and cash equivalents	121,564
Other current assets	190,218
Property, plant and equipment	4,348
Total assets acquired	316,130
Current liabilities	128,578
Long-term debt	-

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Total liabilities assumed	----- 128,578 -----
Net assets acquired	----- 187,552 =====
Consideration paid	----- 187,552 =====

F-72

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

Adoption of SFAS No.144  
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In August 2001, the FASB issued SFAS No. 144, "Accounting for the Impairment or Disposal of Long-Lived Assets", which supersedes SFAS No. 121, "Accounting for the Impairment of Long-Lived Assets and for Long-Lived Assets to be Disposed Of". SFAS No. 144 retains the fundamental provisions of SFAS No. 121 for recognition and measurement of the impairment of long-lived assets to be held and used and measurement of long-lived assets to be disposed of by sale. SFAS No. 144 addresses certain implementation issues related to SFAS No. 121. This Statement also supersedes the accounting and reporting provisions of APB Opinion No. 30, "Reporting the Results of Operations - Reporting the Effects of Disposal of a Segment of a Business, and Extraordinary, Unusual and Infrequently Occurring Events and Transactions", for segments of a business to be disposed of. SFAS No. 144 retains the basic provisions of APB Opinion No. 30 for the presentation of discontinued operations in the income statement but broadens that presentation to include a component of an entity, rather than a segment of a business. The adoption of SFAS No. 144 on January 1, 2002 did not have any material effect on the Group's financial position or results of operations.

New Accounting Pronouncements  
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In June 2001, the FASB issued SFAS No. 143, "Accounting for Asset Retirement Obligations", which addresses financial accounting and reporting for obligations associated with the retirement of tangible long-lived assets and the associated asset retirement costs. The standard applies to legal obligations associated with the retirement of long-lived assets that result from the acquisition, construction, development and (or) normal use of the asset.

SFAS No. 143 requires that the fair value of a liability for an asset retirement obligation be recognized in the period in which it is incurred if a reasonable estimate of fair value can be made. The fair value of the liability is added to the carrying amount of the associated asset and this additional carrying amount is depreciated over the life of the asset. The liability is accreted at the end of each period through charges to operating expense. If the obligation is settled for other than the carrying amount of the liability, the Group will recognize a gain or loss on settlement. SFAS No. 143 is effective for the Group beginning January 2003 and the Group is currently evaluating the effect that implementation of the new standard will have on its financial position, results of operations, and cash flows.

In June 2002, the FASB issued SFAS No.146 "Accounting for Costs Associated with Exit or Disposal Activities." The Statement represents the second and final phase of the FASB's project on accounting for the impairment or disposal of long

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lived assets and for obligations associated with exit or disposal activities. The adoption of SFAS No. 146 in January 2003 is not expected to have a material effect on the Group's financial position or results of operations.

F-73

### UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

During the year ended December 31, 2002, the FASB has issued SFAS No.145, "Rescission of FASB Statements No.4, 44 and 64, Amendment of FASB Statement No.13, and Technical Corrections", SFAS No.147 "Acquisition of Certain Financial Institutions" and SFAS No.148 "Accounting for Stock-Based Compensation-Transition and Disclosure." These Statements were effective for the Group during the year ended December 31, 2002 and did not have any material effect on the earnings or financial position of the Group for the year then ended.

In November 2002, the FASB issued Interpretation No.45, "Guarantor's Accounting and Disclosure Requirements for Guarantees, Including Indirect Guarantees of Indebtedness of Others" ("FIN45"). FIN45 requires certain guarantees to be recorded at fair value, which is different from the general current practice of recording a liability only when a loss is probable and reasonably estimable, as those terms are defined in SFAS No.5, "Accounting for Contingencies." FIN45 also requires a guarantor to make significant new disclosures for virtually all guarantees even if the likelihood of the guarantor's having to make payments under the guarantee is remote. The disclosure requirements of FIN45 are effective for financial statements of interim or annual periods ending after December 15, 2002.

The Group held several cash deposits with a total amount of approximately NT\$6,854 million as of December 31, 2002. The repayment in full, including any accrued interest, of these deposits is subject to the non-occurrence of one or more credit events, which are referenced to the entities' fulfillment of their own obligations as well as repayment of their corporate bonds. Upon the occurrence of one or more of such credit events, the Group may receive nil or less than the full amount of these deposits and any payment received may be delayed due to the occurrence of certain events. The underlying reference entities are summarized as follows:

Principal amount in original currency	Reference entities
-----	-----
30 million in USD	Fubon Holding Co., Ltd. ("Fubon"), Cathay Financial and the Company
25 million in USD	Siliconware Precision Industries Co., Ltd ("Siliconware") and the Company
20 million in USD	China Development Financial Holding Corporation
19 million in USD	King Yuan Electronics Co., Ltd
15 million in USD	Cathy Financial
10 million in USD	Fubon, Cathay Financial and the Company
6.5 million in USD	Unimicron Technology Corp.
5 million in USD	Gigabyte Technology Co., Ltd
5 million in USD	Stark Technology, Inc.

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5 million in USD  
5 million in USD  
5 million in USD  
5 million in USD  
4 billion in JPY  
1 billion in JPY

Compal Electronics, Inc. and the Company  
Fubon Holding, Siliconware and the Company  
The Company  
BENQ Corporation  
UMCJ  
Nikon Corporation

F-74

UNITED MICROELECTRONICS CORPORATION AND SUBSIDIARIES  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(Continued)

In addition, the Group has made several commitments under different contracts such as operating lease contracts or other agreements. Please refer to Note 22 for details.

The initial recognition and initial measurement provisions of FIN45 are applicable on a prospective basis to guarantees issued or modified after December 31, 2002. The Group believes that the adoption of the standard will not have a material impact on its financial statements.

F-75

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

United Microelectronics Corporation

Date: March 25, 2003  
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By /s/ Stan Hung  
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Stan Hung  
Chief Financial Officer

EXHIBIT INDEX

Exhibit Number	Description of Exhibits
23.1	Consent of Diwan, Ernst & Young
23.2	Consent of PricewaterhouseCoopers LLP
23.3	Consent of ChuoAoyama Audit Corporation