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UNITED MICROELECTRONICS CORP

Form 6-K

January 03, 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 January 3, 2003

For the month of December 2002

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      V  
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Form 40-F \_\_\_\_\_

(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      V  
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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).

Exhibit

Exhibit	Description
99.1	Announcement on Dec 3, 2002: UMC ADOPTS ORIDUS' MEBESCRUISER FOR INTERACTIVE, ONLINE REVIEW OF INTEGRATED CIRCUIT MASK DATA
99.2	Announcement on Dec 9, 2002: To respond to the 2002/12/09 Economic Daily News report on Sec 25.

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- 99.3 Announcement on Dec 9, 2002: November Sales
- 99.4 Announcement on Dec 12, 2002: UMC and Micronas Enhance Foundry Relationship
- 99.5 Announcement on Dec 13, 2002: disposal of Sampo Corporation securities
- 99.6 Announcement on Dec 15, 2002: 1) the trading and pledge of UMC common shares by directors, supervisors, executive officers and 10% shareholders of UMC 2) the acquisition and disposition of assets by UMC
- 99.7 Announcement on Dec 17, 2002: UMC AND XILINX ON TRACK TO MANUFACTURE 90NM PROGRAMMABLE CHIPS ON 300MM WAFERS IN 2003
- 99.8 Announcement on Dec 24, 2002: UMC AND SiS ANNOUNCE INTENTION TO FORM LONG-TERM STRATEGIC PARTNERSHIP
- 99.9 Announcement on Dec 26, 2002: acquisition of Silicon Integrated Systems Corporation securities
- 99.10 Announcement on Dec 27, 2002: Clarification to United Evening News report on 12/27/02 Sec 14
- 99.11 Announcement on Dec 30, 2002: acquisition of Silicon Integrated Systems Corporation securities

### 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: January 3, 2003  
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By /s/ Stan Hung  
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Stan Hung  
Chief Financial Officer

Exhibit 99.1

Subject: UMC ADOPTS ORIDUS' MEBESCRUISER FOR INTERACTIVE, ONLINE REVIEW OF INTEGRATED CIRCUIT MASK DATA

To which item it meets--article 2 paragraph xx:47

Date of events: 2002/12/03

Contents:

1. Date of occurrence of the event:2002/12/03

2. Cause of occurrence: FREMONT, Calif.-Oridus, Inc., provider of powerful, secure enterprise collaboration software solutions, and UMC (NYSE: UMC), a world-leading foundry, announced today that UMC has expanded its online customer-oriented services with Oridus' Web-based mask data MEBES (Manufacturing Electronic Beam Exposure System 2) reader tool, MebesCruiser. Now, UMC customers can independently view and browse their MEBES database of an integrated circuit (IC), or join teams of engineers for collaboration via Web conferencing in a highly secure, online mask data environment. Oridus' technology virtually eliminates the costly travel and time barriers associated with traditional IC manufacturing.

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3. Countermeasures: none  
 4. Any other matters that need to be specified: none

Exhibit 99.2

Subject: To respond to the 2002/12/09 Economic Daily News report on Sec 25.  
 To which item it meets--article 2 paragraph xx:31  
 Date of events:2002/12/09  
 Contents:  
 1. Name of the reporting media: Economic Daily News  
 2. Date of the report: 2002/12/09  
 3. Content of the report: UMC might won the ruling against Taiwan's Silicon Integrated Systems ("SiS") using a patented UMC process  
 4. Summary of the information provided by investors: Not Applicable  
 5. Company's explanation of the reportage or provided information: We have not received the result of Presidential review, but ITC's decision is fianl, and the Presidential review is a subsequent formal procedure, and should maintain ITC decision that UMC won.  
 6. Countermeasures: None  
 7. Any other matters that need to be specified:None

Exhibit 99.3

## United Microelectronics Corporation

December 9, 2002

This is to report the changes or status of 1) Sales volume 2) Funds lent to other parties 3) Endorsements and guarantees 4) Financial derivative transactions for the period of November 2002

### 1) Sales volume (NT\$ Thousand)

Period	Items	2002	2001	Changes	%
November	Invoice amount	5,968,645	4,735,606	1,233,039	26.04%
Jan -Nov	Invoice amount	66,323,359	62,334,463	3,988,896	6.40%
November	Net sales	6,002,983	4,806,799	1,196,184	24.89%
Jan -Nov	Net sales	61,922,565	60,080,178	1,842,387	3.07%

### 2) Funds lent to other parties (NT\$ Thousand)

	Limit of lending	November	Bal. as of period end
UMC	30,949,691	0	0
UMC's subsidiaries	2,019,674	3,351	1,942,367

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## 3) Endorsements and guarantees (NT\$ Thousand)

	Limit of endorsements	November	Bal. as of period en
UMC	61,899,383	0	
UMC's subsidiaries	32,582	0	
UMC endorses for subsidiaries		0	
UMC's subsidiaries endorse for UMC		0	
UMC endorses for PRC companies		0	
UMC's subsidiaries endorse for PRC companies		0	

## 4) Financial derivatives transactions

### a-1 Hedging purpose (for assets/liabilities denominated in foreign currencies)

Underlying assets / liabilities	N/
Financial instruments	
Realized profit (loss)	
a-2 Hedging purpose (for the position of floating rate liabilities)	
Underlying assets / liabilities	N/
Financial instruments	
Realized profit (loss)	

### b Trading purpose : None

Exhibit 99.4

Subject: UMC and Micronas Enhance Foundry Relationship

To which item it meets--article 2 paragraph xx: 47

Date of events: 2002/12/12

Contents:

1. Date of occurrence of the event: 2002/12/12

2. Cause of occurrence: Hsinchu, Taiwan and Freiburg, Germany - Following an agreement made earlier this year, Micronas (SWX Swiss Exchange: MASN, Neuer Market Frankfurt: MNSN), a leading supplier of cutting-edge IC solutions for consumer and automotive electronics, and UMC (NYSE: UMC), a world-leading semiconductor foundry, today reaffirmed their foundry partnership by defining the terms of a new and mutually agreed-upon plan.

During a meeting at Micronas' operational headquarters in Freiburg, Germany,

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which included Micronas' CEO Wolfgang Kalsbach and UMC's Chairman Robert Tsao, the two companies discussed a wide range of topics to enhance their five-year agreement. Under the terms of the original agreement, made in June 2002, UMC became the principal supplier of mixed-mode ICs for Micronas, while Micronas gained access to UMC's advanced technologies and foundry capacity. UMC is currently manufacturing the DPS 9450 video controller chip and the MDE 9500 hybrid analog/digital TV decoder chip for Micronas using its 0.18 um mixed-mode process. The two companies are continuing their cooperative efforts in this area with the mutual development of 0.13 um mixed-mode technology based on UMC's standard 0.13 um CMOS process.

3. Countermeasures: none

4. Any other matters that need to be specified: none

Exhibit 99.5

Subject: To announce related materials on disposal of Sampo Corporation securities

To which item it meets--article 2 paragraph xx: 20

Date of events: 2002/12/13

Contents:

1. Name of the security: common shares of Sampo Corporation
2. Trading date: 2002/01/02~2002/12/13
3. Trading volume, unit price, and total monetary amount of the transaction: trading volume: 9,980,000 shares; average unit price: \$13.10 NTD; total amount: \$130,742,450 NTD
4. Gain (or loss) on disposal (not applicable in cases of acquisition of securities): \$4,936,920 NTD
5. Relationship with the underlying company of the trade: Sampo Corporation, investee company under cost method
6. Current cumulative volume, amount, and shareholding percentage of holdings of the security being traded (including the current trade) and status of restriction of rights: cumulative volume: 25,210,137 shares; amount: \$317,793,046 NTD; percentage of holdings: 2.45%; status of restriction of rights: no
7. Current ratio of long or short term securities investment (including the current trade) to the total assets and shareholder's equity as shown in the most recent financial statement and the operational capital as shown in the most recent financial statement: ratio of total assets: 19.10%; ratio of shareholder's equity: 26.51%; the operational capital as shown in the most recent financial statement: \$61,639,615 thousand NTD
8. Concrete purpose/objective of the acquisition or disposal: financing operation
9. Opinions of directors expressing opposition to the current trade: none
10. Any other matters that need to be specified: none

Exhibit 99.6

United Microelectronics Corporation

For the month of November, 2002

This is to report 1) the trading of directors, supervisors, executive officers and 10% shareholders of United Microelectronics Corporation ("UMC") (NYSE : UMC) 2) the pledge and clear of pledge of UMC common shares by directors, supervisors, executive officers and 10% shareholders of UMC 3) the acquisition assets by UMC 4) the disposition of assets by UMC for the month of November, 2002

- 1) The trading of directors, supervisors, executive officers and 10%

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shareholders

Title	Name	Number of shares held when elected (for Directors, Supervisors and Executive Officers) or as May 30, 2001	Number of shares held as of October 31, 2002	Number of shares held as of November 30, 2002
Director	Chris Chi	0	3,592,640	3,547,640
Director	Fu-Tai Liou	0	5,762,301	5,692,301

- 2) The pledge and clear of pledge of UMC common shares by directors, supervisors, executive officers and 10% shareholders:

Title	Name	Number of shares pledge as of October 31, 2002	Number of shares pledge as of November 30, 2002
Director	Chuin Tsie Investment Corporation	18,100,000	61,300,612
Director	Chuin Li Investment Corporation	20,704,990	25,542,088
Director	Shieh Li Investment Corporation	22,220,000	39,553,518

- 3) The acquisition assets (NT\$ Thousand)

Description of assets	November	Jan -November
Semiconductor Manufacturing Equipment	1,140,489	24,510,949
Fixed assets	12,437	134,969

- 4) The disposition of assets (NT\$ Thousand)

Description of assets	November	Jan -November
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Semiconductor Manufacturing Equipment	184,902	578,964
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Fixed assets	2,356	38,698
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Exhibit 99.7

Subject: UMC AND XILINX ON TRACK TO MANUFACTURE 90NM  
PROGRAMMABLE CHIPS ON 300MM WAFERS IN 2003

To which item it meets--article 2 paragraph xx: 47

Date of events: 2002/12/17

Contents:

1. Date of occurrence of the event: 2002/12/17

2. Cause of occurrence: UMC (NYSE: UMC) and Xilinx, Inc.(NASDAQ: XLNX) today reported that the companies are on track to produce a new family of Xilinx programmable chips in the second half of 2003 using UMC's advanced 90 nanometer (nm) chip-making process technology.

UMC is preparing to manufacture the line of Xilinx field programmable gate arrays (FPGAs) at its 300mm fabrication facility and has produced an FPGA test chip. At 90nm, Xilinx engineers can pack more transistors, layers, interconnect and product features into a single chip, reducing die size by 50 to 80 percent, compared to any competing FPGA solution. UMC's L90 process integrates nine layers of high-speed copper interconnect, 1.2V high performance transistors and low-k dielectric material into a single manufacturing process. Xilinx's investment in 90nm manufacturing technology with UMC will enable the company to drive pricing down to under \$25 for a one-million-gate FPGA (approximately 17,000 logic cells)\*, which represents a savings of 35 to 70 percent compared to any competitive offering. A smaller die size results in more die per wafer, which improves device densities and yields, thereby reducing overall production costs. This in turn leads to a more highly integrated, less expensive product that takes up less board space when designed by a customer into an end product. For nearly a decade, Xilinx has successfully partnered with UMC as its primary semiconductor manufacturing partner for high-volume production of the company's programmable chips. Over the past several years, UMC and Xilinx have aligned to target a number of programmable devices to UMC's deep submicron processes. Most recently, the Virtex-II FPGAs were targeted to 130nm - and now the two companies are working to target specific designs to the 90nm manufacturing processes. Due to the regular structure and reprogrammability of Xilinx devices, defects can be more easily identified and isolated during manufacturing than with traditional, fixed semiconductor device architectures, making it an ideal process migration partner for a manufacturer such as UMC.

3. Countermeasures: none

4. Any other matters that need to be specified: none

Exhibit 99.8

Subject: UMC AND SiS ANNOUNCE INTENTION TO FORM LONG-TERM STRATEGIC PARTNERSHIP

To which item it meets--article 2 paragraph xx: 47

Date of events: 2002/12/24

Contents:

1. Date of occurrence of the event: 2002/12/24

2. Cause of occurrence: December 24, 2002 -- United Microelectronics Corporation (UMC), a world leading semiconductor foundry, and Silicon Integrated Systems Corporation (SiS), a leading core logic and graphics chip company, today jointly announced their preliminary agreement to form a long-term strategic partnership aimed at maximizing the benefits to their respective customers. Specific terms

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were not released. The preliminary consensus includes three major points:

1. UMC and SiS intend to negotiate a cross-licensing arrangement in order to create positive synergies between the companies.
2. UMC and SiS will cooperate on capacity and process technology to better meet the requirements of their customers.
3. UMC and SiS will form a long-term strategic alliance to explore further business opportunities.

Based upon the preliminary consensus, customers of both companies will benefit from greater manufacturing capacity and process technology support and under a broader umbrella of intellectual property. UMC and SiS contemplate resolution of certain issues in the pending litigation in a mutually acceptable manner that benefits their respective customers.

3. Countermeasures: none
4. Any other matters that need to be specified: none

Exhibit 99.9

Subject: To announce related materials on acquisition of Silicon Integrated Systems Corporation securities

To which item it meets--article 2 paragraph xx:20

Date of events: 2002/12/26

Contents:

1. Name of the security: common shares of Silicon Integrated Systems Corp.
2. Trading date: 2002/12/10~2002/12/26
3. Trading volume, unit price, and total monetary amount of the transaction:  
trading volume: 25,253,000 shares; average unit price: \$25.44 NTD; total amount: \$642,544,689 NTD
4. Gain (or loss) on disposal (not applicable in cases of acquisition of securities): not applicable
5. Relationship with the underlying company of the trade: Silicon Integrated Systems Corp., investee company under cost method
6. Current cumulative volume, amount, and shareholding percentage of holdings of the security being traded (including the current trade) and status of restriction of rights: cumulative volume: 25,253,000 shares; amount: \$642,544,689 NTD; percentage of holdings: 2.32%; status of restriction of rights: no
7. Current ratio of long or short term securities investment (including the current trade) to the total assets and shareholder's equity as shown in the most recent financial statement and the operational capital as shown in the most recent financial statement: ratio of total assets: 19.29%; ratio of shareholder's equity: 26.76%; the operational capital as shown in the most recent financial statement: \$61,639,615 thousand NTD
8. Concrete purpose/objective of the acquisition or disposal: long-term investment
9. Opinions of directors expressing opposition to the current trade: none
10. Any other matters that need to be specified: none

Exhibit 99.10

Subject: Clarification to United Evening News report on 12/27/02 Sec 14

To which item it meets--article 2 paragraph xx:31

Date of events: 2002/12/27

Contents:

1. Name of the reporting media: United Evening News Sec 14
2. Date of the report: 2002/12/27
3. Content of the report: The common shares price of Silicon Integrated Systems Corp. had increased for four days might due to a insider trading.
4. Summary of the information provided by investors: Not Applicable



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5. Company's explanation of the reportage or provided information:

(1) This report is not fact and the Company officially denies.

(2) The Company announced related material on acquisition of SiS 25,253,000 common shares on Dec. 26, 2002. including 200,000 shares on Dec. 10, 2002 and 25,053,000 shares on Dec. 26, 2002 respectively.

6. Countermeasures: None

7. Any other matters that need to be specified: None

Exhibit 99.11

Subject: To announce related materials on acquisition of Silicon Integrated Systems Corporation securities

To which item it meets--article 2 paragraph xx:20

Date of events: 2002/12/27

Contents:

1. Name of the security: common shares of Silicon Integrated Systems Corp.

2. Trading date: 2002/12/27

3. Trading volume, unit price, and total monetary amount of the transaction: trading volume: 23,230,000 shares; average unit price: \$26.91 NTD; total amount: \$625,035,128 NTD

4. Gain (or loss) on disposal (not applicable in cases of acquisition of securities): not applicable

5. Relationship with the underlying company of the trade: Silicon Integrated Systems Corp., investee company under cost method

6. Current cumulative volume, amount, and shareholding percentage of holdings of the security being traded (including the current trade) and status of restriction of rights: cumulative volume: 48,483,000 shares; amount: \$1,267,579,817 NTD; percentage of holdings: 4.46%; status of restriction of rights: no

7. Current ratio of long or short term securities investment (including the current trade) to the total assets and shareholder's equity as shown in the most recent financial statement and the operational capital as shown in the most recent financial statement: ratio of total assets: 19.49%; ratio of shareholder's equity: 27.05%; the operational capital as shown in the most recent financial statement: \$61,639,615 thousand NTD

8. Concrete purpose/objective of the acquisition or disposal: long-term investment

9. Opinions of directors expressing opposition to the current trade: none

10. Any other matters that need to be specified: none