

### 2011 Major IC Foundry Ranking

### Company Profile

**Industry:** Semiconductor Foundry Services

**Date Incorporated:** May, 1980

**About UMC:** UMC (NYSE: UMC, TWSE: 2303) is a leading global semiconductor foundry that provides advanced technology and manufacturing services for applications spanning every major sector of the IC industry. UMC's customer-driven foundry solutions allow chip designers to leverage the strength of the company's leading-edge processes, which include 28nm, mixed signal/RFCMOS, and a wide range of specialty technologies. Production is supported through 10 wafer manufacturing facilities that include two advanced 300mm fabs; Fab 12A in Taiwan and Singapore-based Fab 12i are both in volume production for a variety of customer products. The company employs over 13,000 people worldwide and has offices in Taiwan, Japan, Singapore, Europe, and the United States. UMC can be found on the web at <http://www.umc.com>.

2011 Rank	2010 Rank	Company	2011 revenue	YoY change(%)
1	1	TSMC	US\$14.6B	10
2	2	UMC	US\$3.8B	-5
3	3	GlobalFoundries	US\$3.6B	2
4	5	Samsung	US\$2.0B	64
5	4	SMIC	US\$1.3B	-15
6	6	Tower Jazz	US\$610M	20
7	7	VISC	US\$519M	2
8	8	Dongbu	US\$500M	5
9	9	IBM	US\$445M	3
10	10	MagnaChip	US\$350M	-14

Source: IC Insights

### Chronology

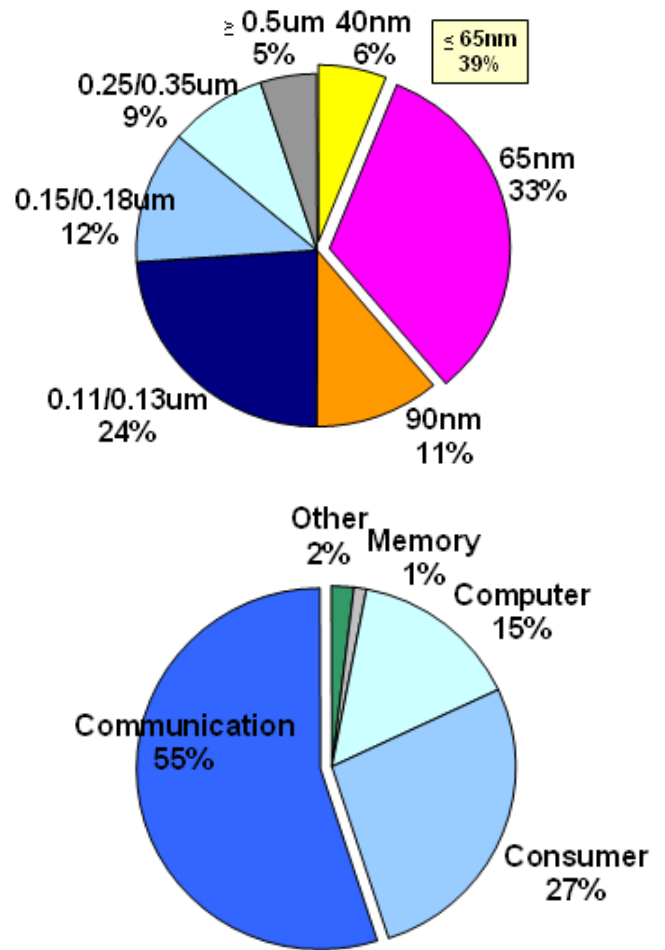
1980	May	UMC established
1985	Jul	Becomes the first IC company to list on the Taiwan Stock Exchange
1995	Jul Jul-Sep	Begins transformation into a pure-play foundry Establishes three joint venture foundries; USC, UICC, USiC
1998	Apr Dec	Acquires Holtek Semiconductor Acquires Nippon Steel Semiconductor Corp.; renamed UMCJ in 2001
1999	Nov	Begins construction of a 300mm fab in Taiwan's Tainan Science Park, Fab 12A
2000	Jan May Sep Dec	Consolidates five companies: UMC, USC, UTEK, USI, and UICC Produces foundry industry's first 0.13um ICs Debuts on the New York Stock Exchange Announces plan to establish advanced 300mm foundry in Singapore (UMCi)
2003	Mar	Delivers foundry's first customer ICs built on 90nm
2004	May Jul Dec	90nm full qualification and volume production Completes acquisition of SiS Microelectronics Corp. Fully acquires its subsidiary UMCi; renames UMC Fab 12i
2005	Jan Aug	Delivered the foundry industry's first 65nm customer products Achieves record milestone of over 100,000 90nm wafer shipments
2006	Jun Nov	Becomes first IC company to achieve QC080000 IECO HSPM qualification for all fabs Produces working 45nm ICs
2007	Jan	Expands advanced technology complex in Tainan Science Park
2008	Sep Oct	Named as a Global Index Component for Dow Jones Sustainability Indexes UMC Announces Foundry Industry's First 28nm SRAMs
2009	Apr Dec	Delivers 40nm customer ICs Fully acquires Japan subsidiary UMCJ
2010	May Dec	Celebrates 30th anniversary Fab 12A Phase3 enters volume production
2011	Nov	Surpasses 90,000 45/40-nanometer wafer shipments



## Financial Highlights

	2011	2010	2009	2008	2007
<b>Income Statement (NT\$ billion)</b>					
Net Operating Revenue	105.9	120.4	88.6	92.5	106.8
Gross Profit	24.0	36.1	15.9	15.6	22.5
Operating Income(Loss)	10.1	22.6	3.3	2.3	6.8
Net Income(Loss)	10.8	23.9	3.9	(22.3)	17.0
<b>Balance Sheet(NT\$ billion)</b>					
Total Assets	258.5	263.4	251.9	208	290.8
Cash and Cash equ.	30.8	32.9	52.8	36.1	37.5
Total Liabilities	50.6	44.0	38.3	23.3	54.3
Long-term Liabilities	15.2	0.9	0.8	8.1	7.6
Stockholders' Equity	207.9	219.3	213.6	184.7	236.5
<b>Cash Flow Statement(NT\$ billion)</b>					
Cash Flow from Operations	45.2	55.4	32.5	44.8	46.8
Cash Flow from Investing	(51.8)	(60.3)	(20.6)	(12.3)	(23.7)
Cash Flow from Financing	4.0	(14.7)	5.0	(34.0)	(68.9)
Net Cash Flow	(2.1)	(19.9)	16.7	(1.3)	(45.9)
Free Cash Flow	(1.2)	(2.9)	14.9	33.4	18.7
<b>Financial Analysis(%)</b>					
Debt Ratio	19.6	16.7	15.2	11.2	18.7
Current Ratio	191.4	177.9	259.5	477.8	158.2
Quick Ratio	156.0	146.2	230.6	401.6	130.3

## 2011 Revenue Breakdown



## UMC Fab12A 300mm Complex



LAST UPDATED: Feb., 2012

## Research Coverage

- Bank of America Merrill Lynch
- Barclays Capital
- BNP Paribas
- Citi
- CLSA
- Credit Suisse
- Daiwa
- Deutsche Securities
- Fubon
- Goldman Sachs
- HSBC
- Jefferies
- JP Morgan
- Morgan Stanley
- Nomura
- RBS
- Sanford C. Bernstein
- UBS