

UMC 4Q21 Financial Review

January 25, 2022

NOTE CONCERNING FORWARD-LOOKING STATEMENTS

This presentation contains forward-looking statements within the meaning of Section 27A of the United States Securities Act of 1933, as amended, and Section 21E of the United States Securities Exchange Act of 1934, as amended, and as defined in the United States Private Securities Litigation Reform Act of 1995. These forward looking statements include, but are not limited to, statements relating to anticipated quarterly Fab capacity, foundry capital expenditure plan and other statements that are not historical information.

These forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause the actual performance, financial condition or results of operations of UMC to be materially different from what is stated or may be implied in such forward-looking statements. Investors are cautioned that actual events and results could differ materially from those statements as a result of a number of factors including, but not limited to: (i) dependence upon the frequent introduction of new services and technologies based on the latest developments in the industry in which UMC operates; (ii) the intensely competitive semiconductor, communications, consumer electronics and computer industries and markets; (iii) the risks associated with international business activities; (iv) dependence upon key personnel; (v) general economic, political and industry conditions; (vi) possible disruptions in commercial activities caused by natural and human-induced events and disasters, including natural disasters, terrorist activity, armed conflict and highly contagious diseases, such as the ongoing COVID-19 pandemic; (vii) reduced end-user purchases relative to expectations and orders; (viii) regulatory development and legal proceedings, including ongoing litigation, (ix) fluctuations in foreign currency exchange rates and (x) disruption in global supply chain affecting the semiconductor industry. Further information regarding these and other risks is included in UMC's filings with the United States Securities and Exchange Commission, including UMC's Annual Report on Form 20-F for the fiscal year ended December 31, 2020. All information provided in this release is as of the date of this release and are based on assumptions that UMC believes to be reasonable as of this date, and UMC does not undertake any obligation to update any forward-looking statement as a result of new information, future events or otherwise, except as required under applicable law.

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Operating Results Summary

	Unit: NT\$ M		
	2021 4Q / Dec.	2021 3Q / Sep.	2020 4Q / Dec.
Operating Revenues	59,100	55,907	45,296
Net Income Attributable to Shareholders of the Parent	15,949	17,460	11,196
EPS (NTD)	1.30	1.43	0.92
Cash and Cash Equivalents	132,622	113,105	94,048
Total Assets	464,427	428,793	377,516
Total Liabilities	183,224	171,189	141,743
Total Equity	281,203	257,604	235,773
Foundry Segment:			
Wafer Shipments (in thousands-8" wafer eq.)	2,546	2,503	2,293
Utilization (%)	100% ⁺	100% ⁺	99%

Statements of Comprehensive Income - QoQ

Unit: NT\$ M

	4Q21	%	3Q21	%	Change %
Operating Revenues	59,100	100.0	55,907	100.0	5.7
Gross Profit	23,103	39.1	20,544	36.8	12.5
Operating Expenses	(6,821)	(11.5)	(6,636)	(11.9)	2.8
Net Other Operating Income and Expenses	1,334	2.2	1,227	2.2	8.7
Operating Income	17,616	29.8	15,135	27.1	16.4
Net Non-operating Income and Expenses	558	1.0	4,317	7.7	(87.1)
Income Tax Expense	(2,169)	(3.7)	(2,100)	(3.8)	3.3
Net Income	16,005	27.1	17,352	31.0	(7.8)
Net Income Attributable to Shareholders of the Parent	15,949	27.0	17,460	31.2	(8.7)
EPS (NTD)	1.30		1.43		
EPADS (USD)	0.235		0.258		

Notes:

1. An exchange rate of 27.67 was used to translate NTD to USD.
2. 12,254 million and 12,206 million shares were used in EPS calculations for 4Q21 and 3Q21, respectively.

Statements of Comprehensive Income - YoY: 12 Months

	Unit: NT\$ M				
	2021 Jan.~Dec.	%	2020 Jan.~Dec.	%	Change %
Operating Revenues	213,011	100.0	176,821	100.0	20.5
Gross Profit	72,050	33.8	38,997	22.1	84.8
Operating Expenses	(25,590)	(12.0)	(23,244)	(13.1)	10.1
Net Other Operating Income and Expenses	5,226	2.5	6,254	3.5	(16.4)
Operating Income	51,686	24.3	22,007	12.5	134.9
Net Non-operating Income and Expenses	10,117	4.7	5,919	3.3	70.9
Income Tax Expense	(6,691)	(3.1)	(746)	(0.4)	797.3
Net Income	55,112	25.9	27,180	15.4	102.8
Net Income Attributable to Shareholders of the Parent	55,780	26.2	29,189	16.5	91.1
EPS (NTD)	4.57		2.42		
EPADS (USD)	0.826		0.437		

Notes:

1. An exchange rate of 27.67 was used to translate NTD to USD.
2. 12,218 million and 12,073 million shares were used in EPS calculations for 2021 and 2020, respectively.

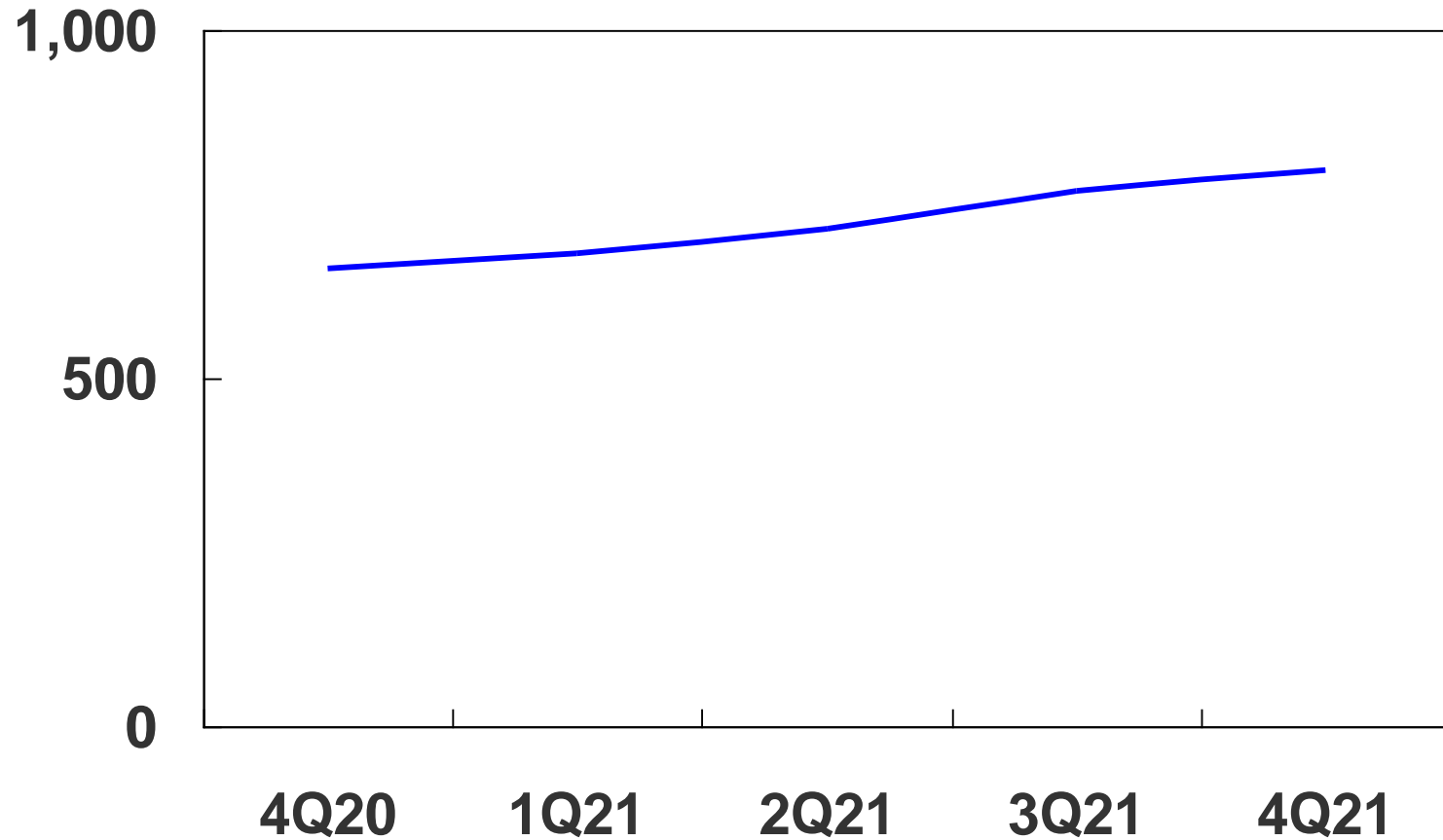
Balance Sheet Highlight – Dec. 31, 2021

Unit: NT\$ M

Cash and Cash Equivalents	132,622
Funds and Investments	72,552
Property, Plant and Equipment	129,942
Total Assets	464,427
Current Liabilities	105,454
Long-term Credit / Bonds	39,830
Total Equity	281,203

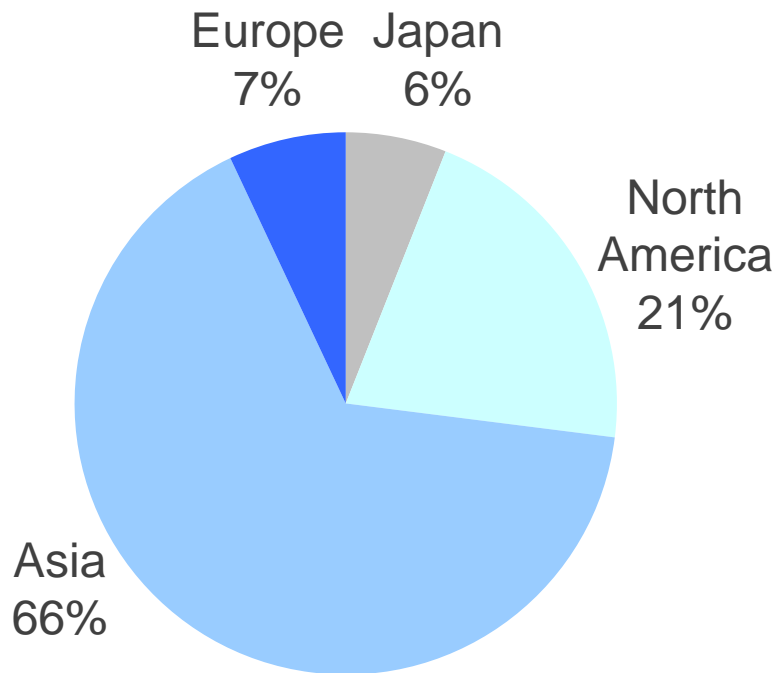
Foundry ASP Trend : 8" Wafer Equivalent

Unit: USD

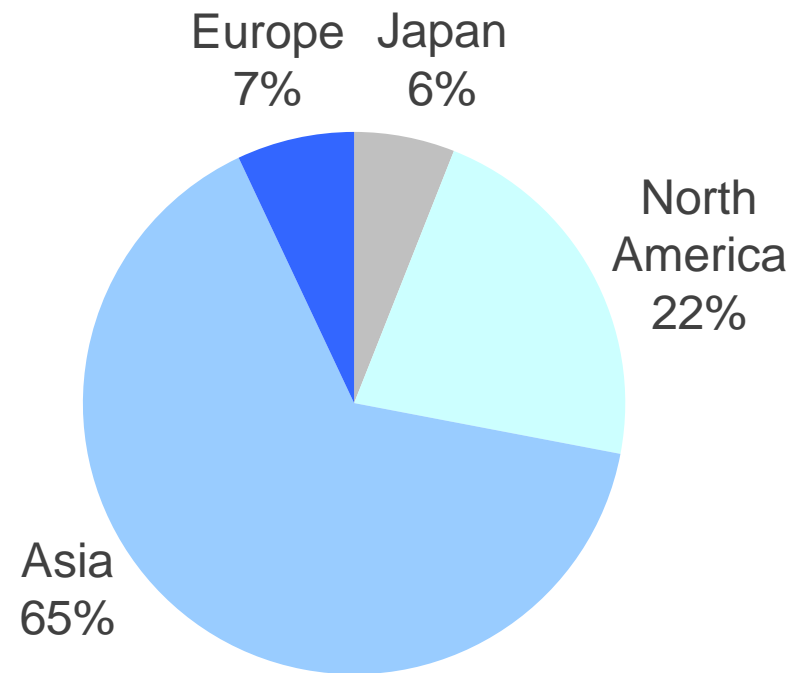


Foundry Segment Sales Breakdown by Geography

4Q21

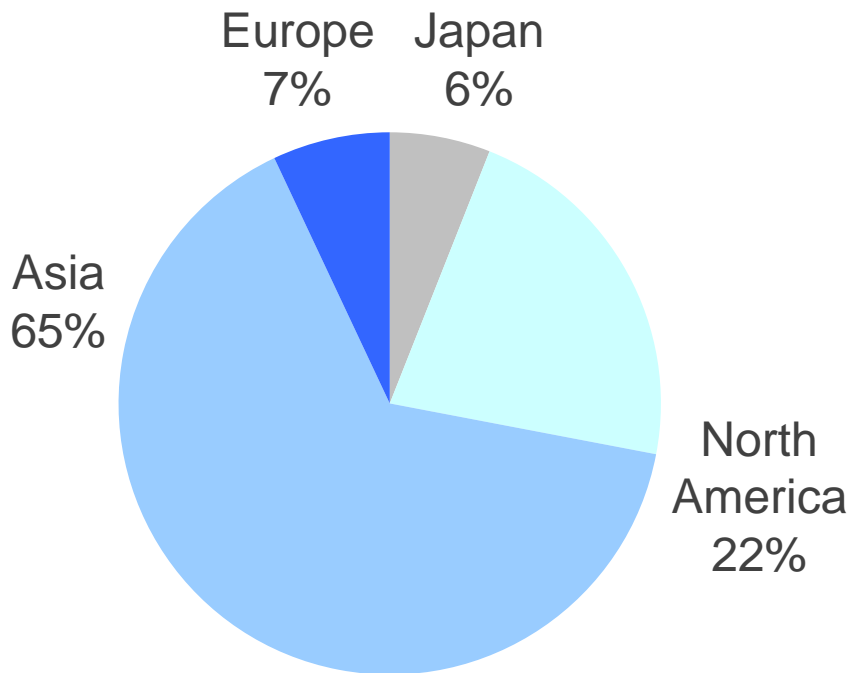


3Q21

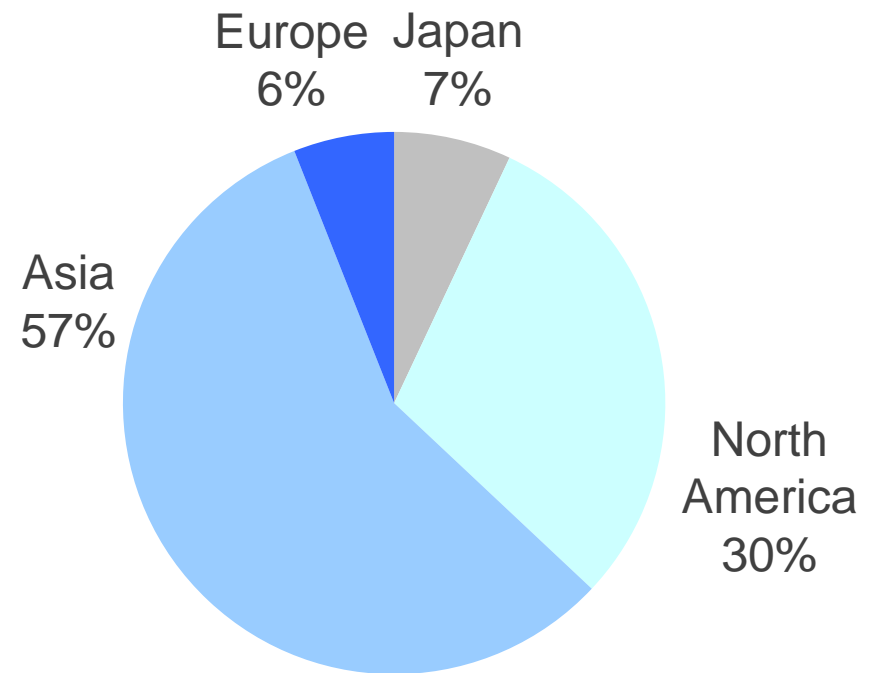


Foundry Segment Sales Breakdown by Geography

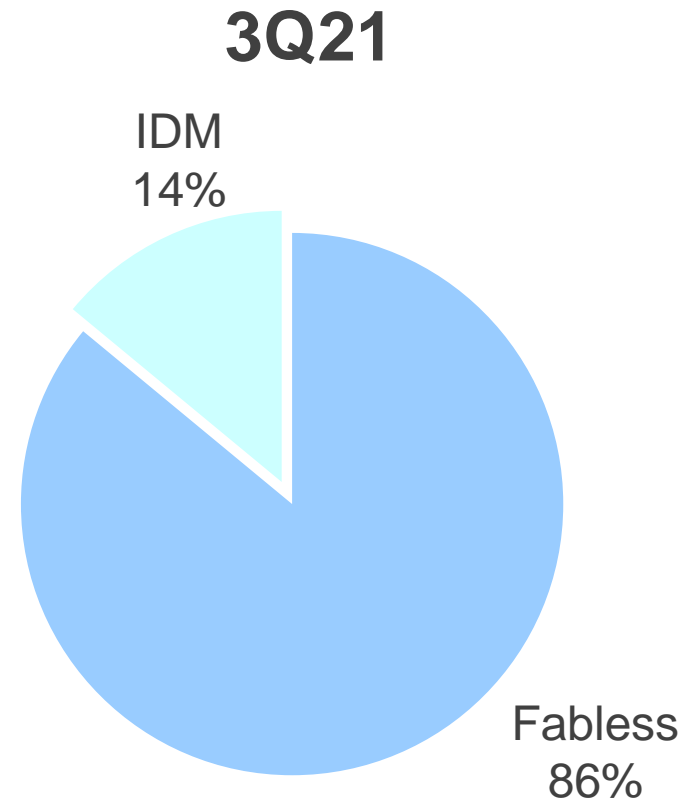
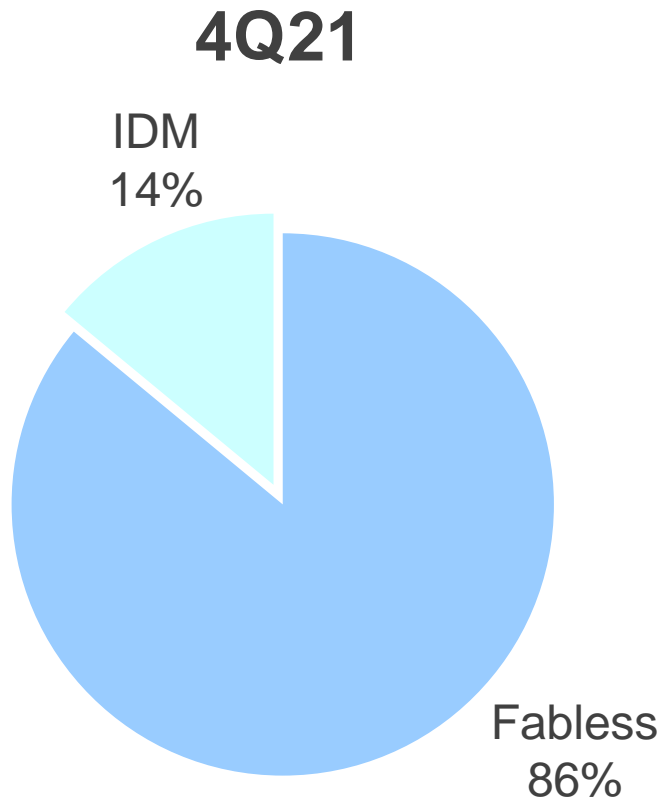
2021



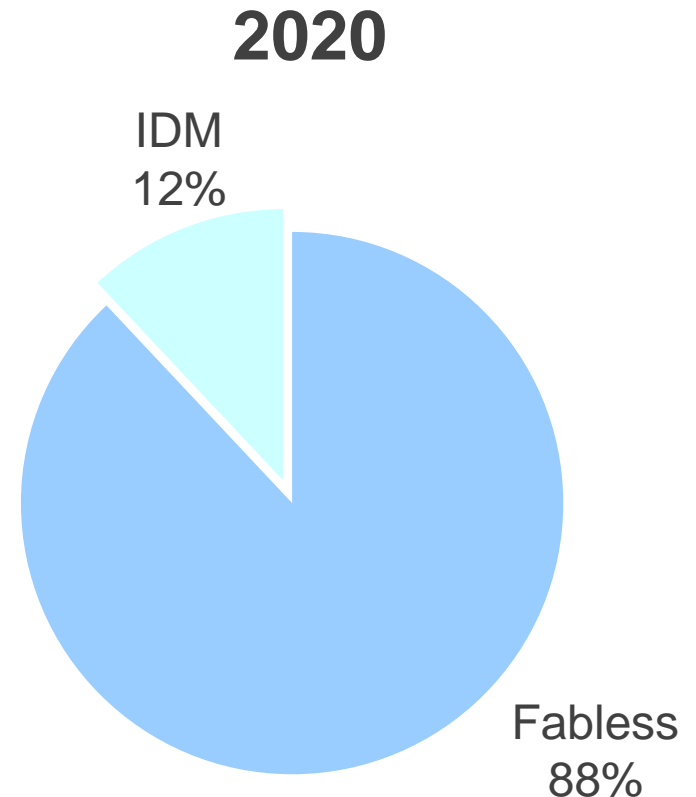
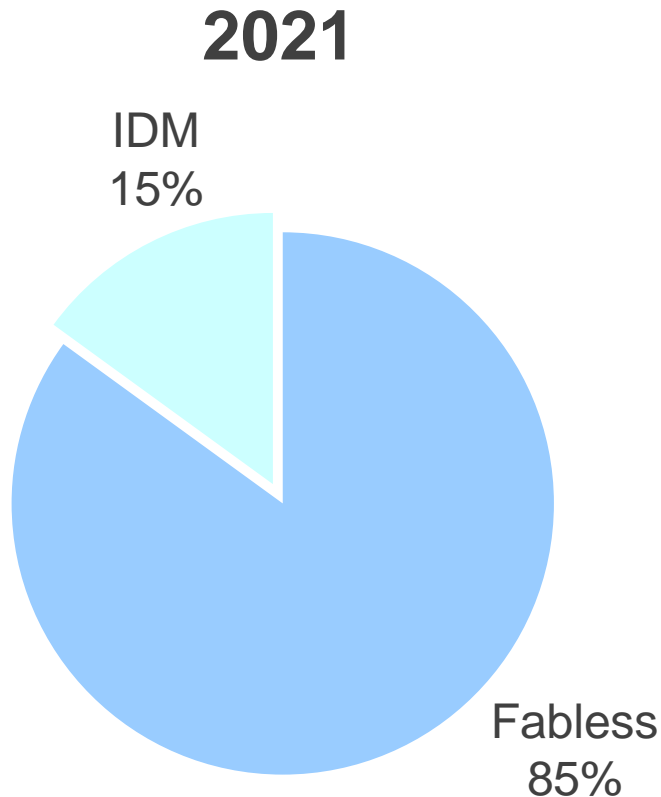
2020



Foundry Segment Sales Breakdown by Customer Type

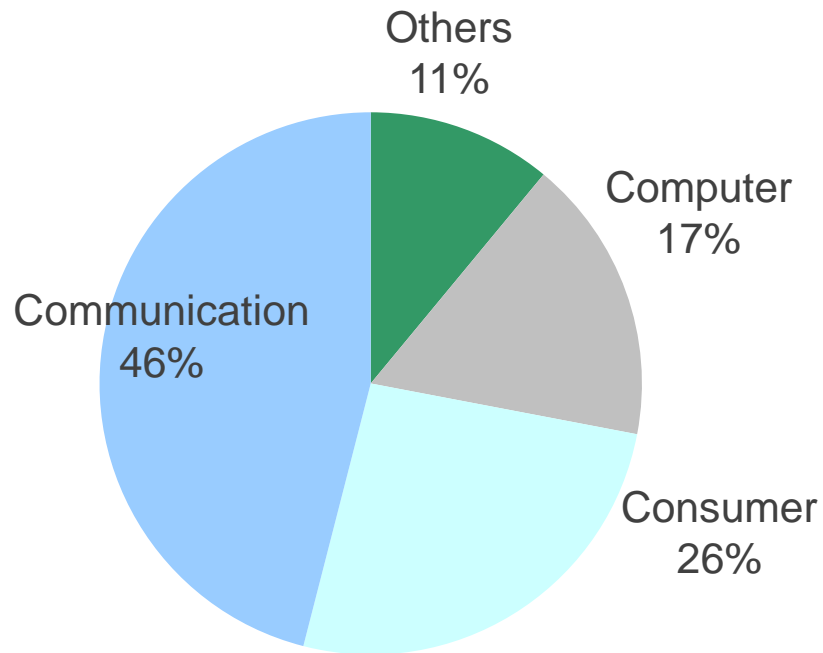


Foundry Segment Sales Breakdown by Customer Type

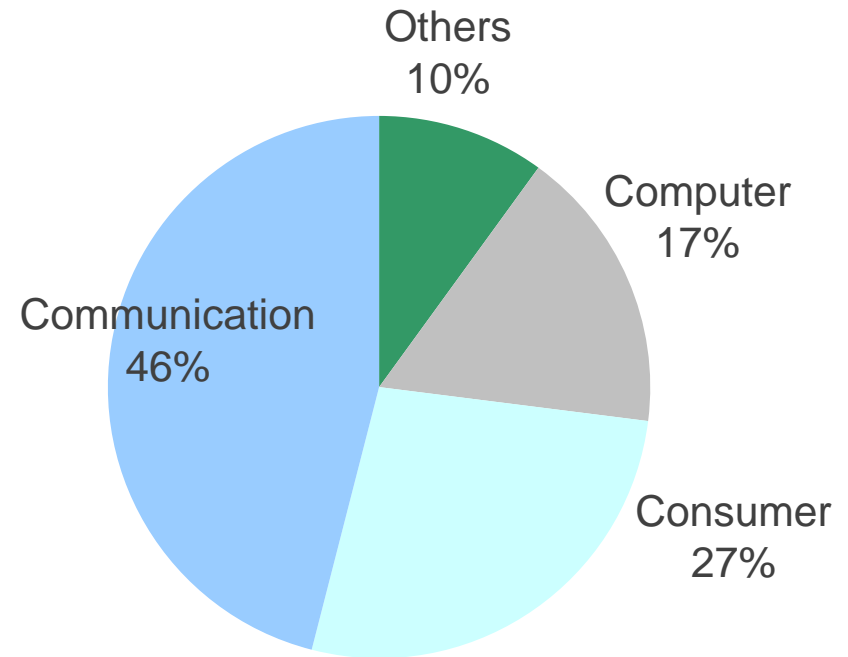


Foundry Segment Sales Breakdown by Application

4Q21

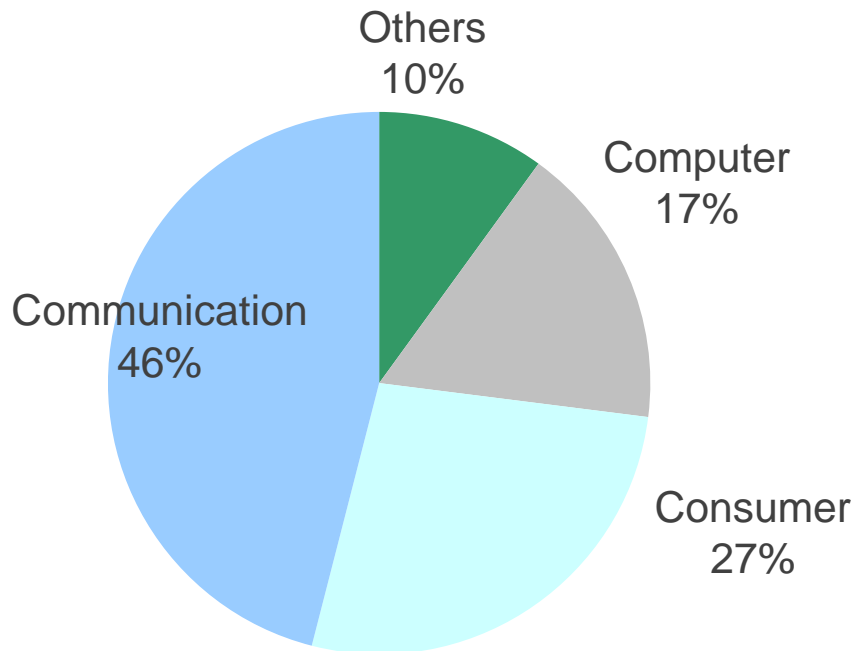


3Q21

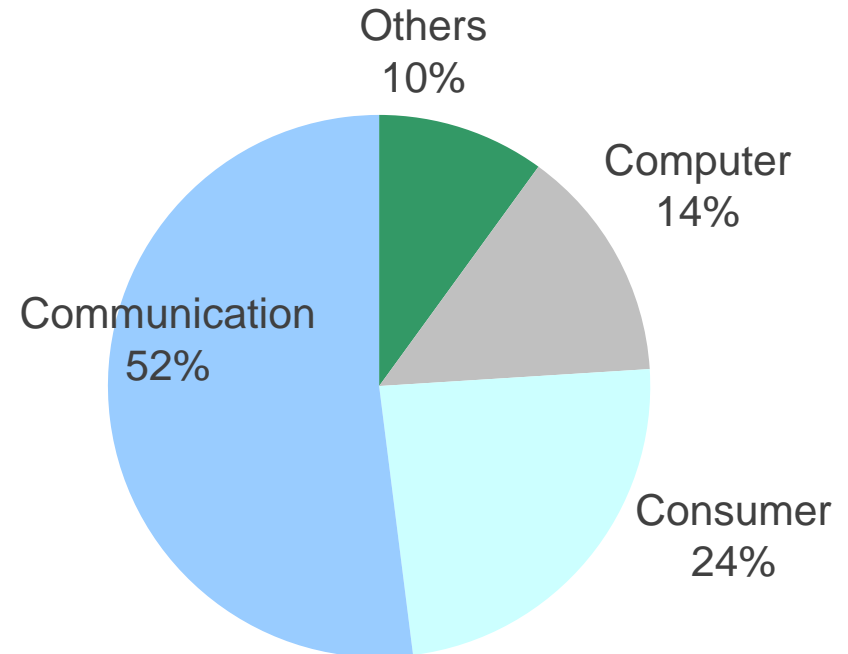


Foundry Segment Sales Breakdown by Application

2021

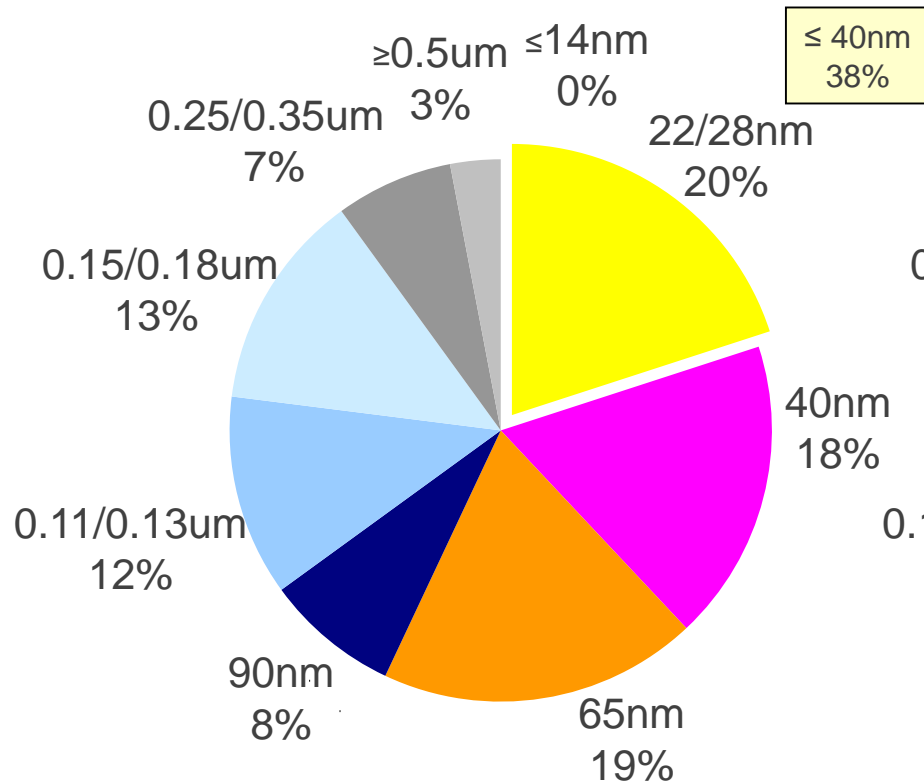


2020

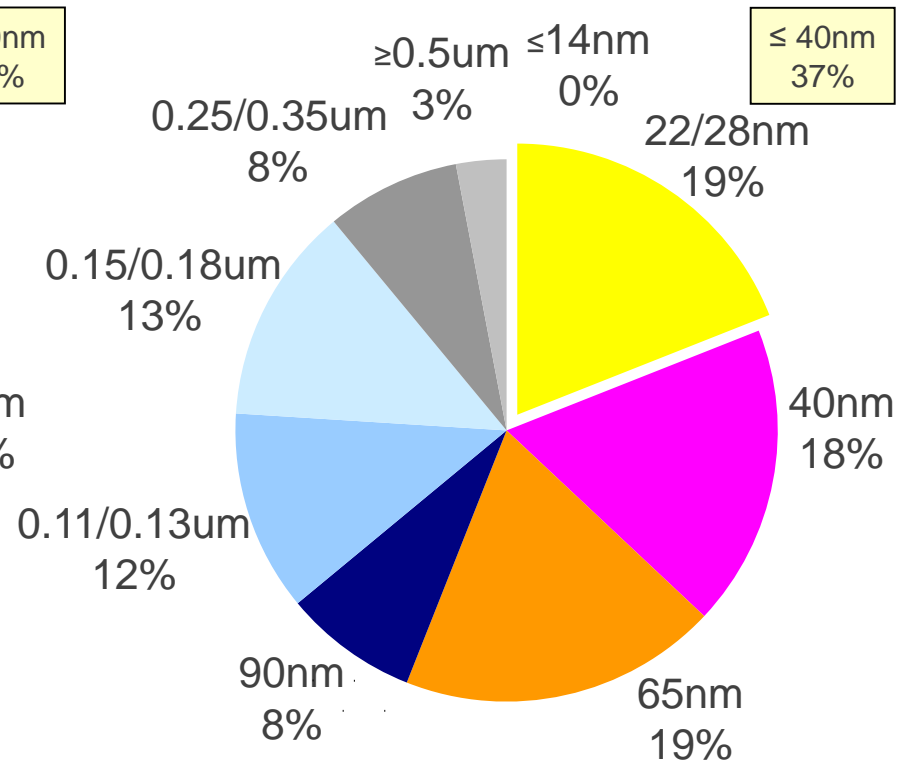


Foundry Segment Sales Breakdown by Technology

4Q21

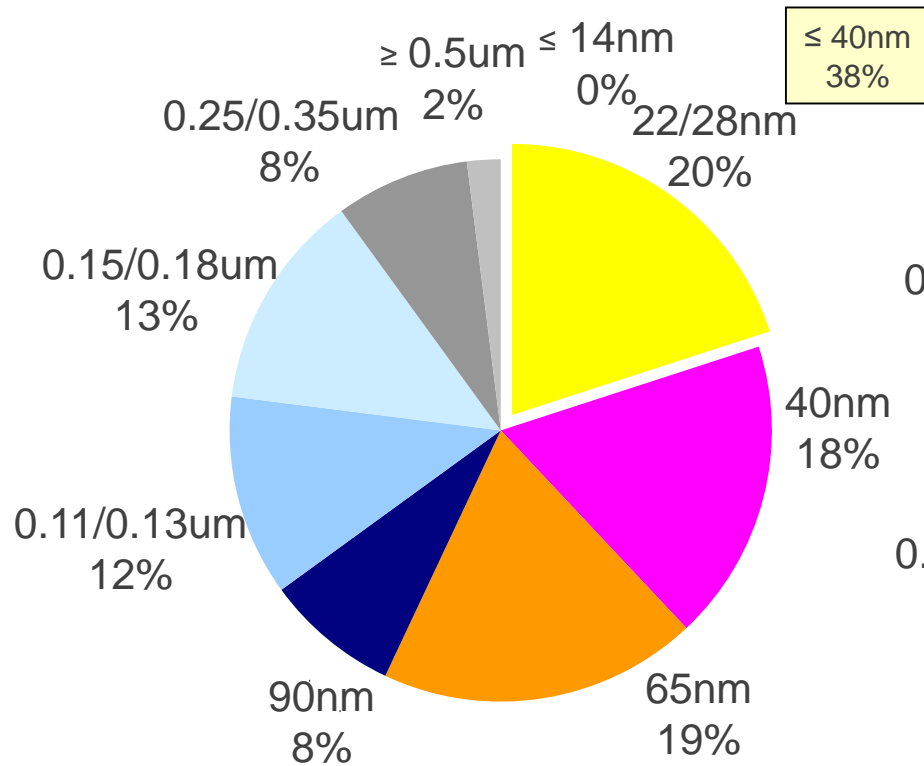


3Q21

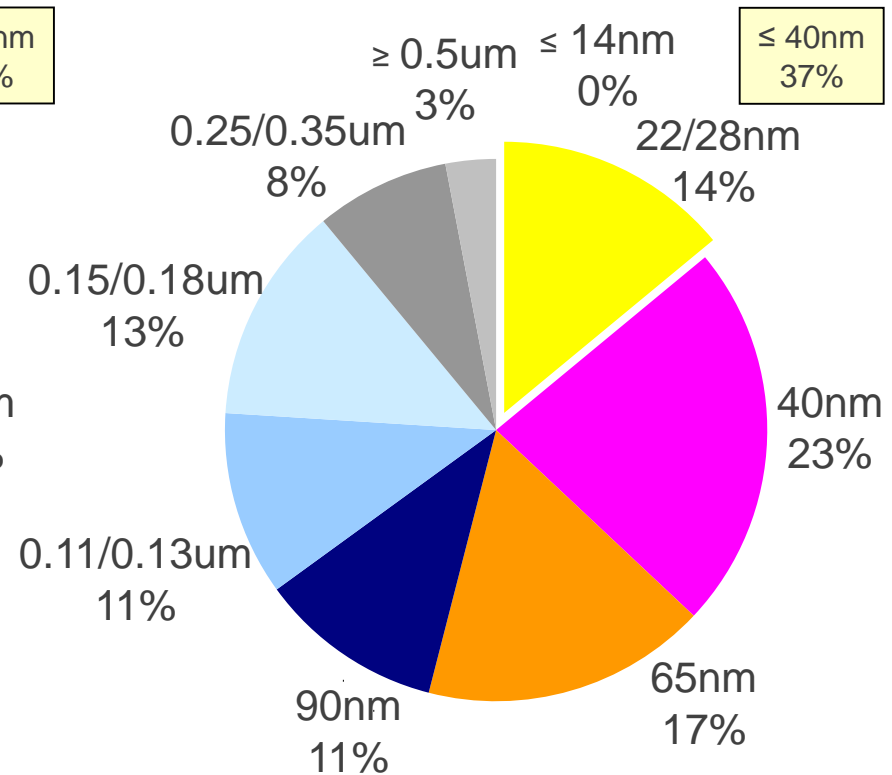


Foundry Segment Sales Breakdown by Technology

2021



2020



Quarterly Capacity

Unit: in thousands

FAB		2Q21	3Q21	4Q21	1Q22E
WTK	(6")	84	80	81	82
8A	(8")	190	190	190	189
8C	(8")	115	115	115	113
8D	(8")	95	95	95	101
8E	(8")	115	115	115	116
8F	(8")	122	137	137	136
8S	(8")	102	102	102	109
8N	(8")	230	230	232	231
12A	(12")	271	271	271	267
12i	(12")	160	160	164	162
12X	(12")	74	74	78	77
12M	(12")	98	98	104	108
Total	(8" eq.)	2,370	2,383	2,419	2,420

2022 Foundry Capital Expenditure Plan

8"	12"	Total
10%	90%	3.0 billion USD

For more information regarding UMC
www.umc.com

For all inquiries, suggestions, and comments
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