

The World Semiconductor Trade Statistics (WSTS) has released its new semiconductor market forecast generated in November 2022.

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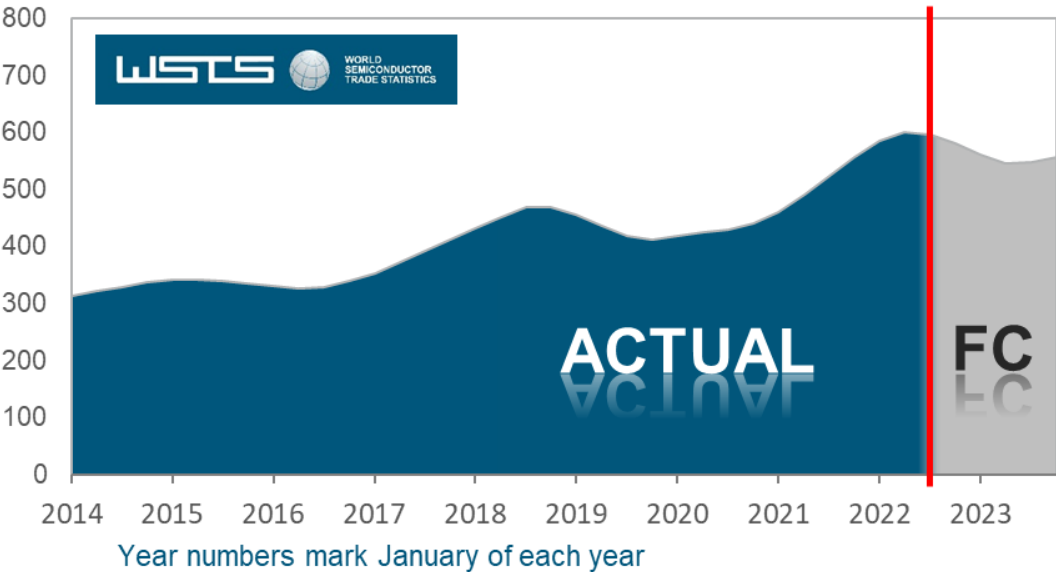
The Worldwide Semiconductor Market is expected to slow to 4.4 percent growth in 2022, followed by a decline of 4.1 percent in 2023.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised its forecast down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US\$580 billion, up 4.4 percent.

WSTS forecast lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still expected to see double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory is expected to turn negative in the forecast and decline with 12.6 percent year over year.

In 2022, all geographical regions are seen to show double-digit growth except Asia Pacific. The largest region, Asia Pacific, is expected to decline 2.0 percent. The Americas region is expected to show growth of 17.0 percent, Europe 12.6 percent, and Japan 10.0 percent.

Global semiconductor billings (billion US\$) – 12MMA



Worldwide Semiconductor Market is expected to decline slightly in 2023

For 2023, the global semiconductor market is projected to decline by 4.1 percent to US\$557 billion, driven by the Memory segment. In this latest forecast, this category is projected to fall to US\$112 billion in 2023, dropping by 17 percent compared the previous year. Some other major categories showing single digit growth like Optoelectronics, Sensors, Discrete and Analog.

All regions are expected to remain flat in 2023, only Asia Pacific is estimated to decline with 7.5 percent year over year.

WSTS Forecast Summary

Fall 2022	Amounts in US\$M			Year on Year Growth in %		
	2021	2022	2023	2021	2022	2023
Americas	121,481	142,138	143,278	27.4	17.0	0.8
Europe	47,757	53,774	54,006	27.3	12.6	0.4
Japan	43,687	48,064	48,280	19.8	10.0	0.4
Asia Pacific	342,967	336,151	311,005	26.5	-2.0	-7.5
Total World - \$M	555,893	580,126	556,568	26.2	4.4	-4.1
Discrete Semiconductors	30,337	34,098	35,060	27.4	12.4	2.8
Optoelectronics	43,404	43,777	45,381	7.4	0.9	3.7
Sensors	19,149	22,262	23,086	28.0	16.3	3.7
Integrated Circuits	463,002	479,988	453,041	28.2	3.7	-5.6
Analog	74,105	89,554	90,952	33.1	20.8	1.6
Micro	80,221	78,790	75,273	15.1	-1.8	-4.5
Logic	154,837	177,238	175,191	30.8	14.5	-1.2
Memory	153,838	134,407	111,624	30.9	-12.6	-17.0
Total Products - \$M	555,893	580,126	556,568	26.2	4.4	-4.1

Note: Numbers in the table are rounded to whole millions of dollars, which may cause totals by region and totals by product group to differ slightly.

About WSTS:

World Semiconductor Trade Statistics (WSTS) was founded in 1986 as a non-profit organization of semiconductor product companies and is the industry's only source for monthly industry shipment statistics.

For more information, please visit the WSTS web site at www.wsts.org.

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