Semiconductor WEEK: June 3, 2022

An overview of results and conclusions from recent reports at TechInsights

Chip Market Research Services

It's hot and humid but distant clouds threaten the upturn

- Order activity for semiconductor equipment held steady at a hot 110 degrees in the last week of May
- Capacity Utilization Rates

Semiconductor Analytics

Last Week in the Semiconductor Market:

Semiconductor sales growth ran in the low single digit W/Q last week, with sales well above 2021 levels. The IC weather was mixed with a 1˚F rise last week. Zooming in on Logic growth this week, the 13-wk MA has decelerated 2021 levels to the low 20% range. Growth is forecast to finish 2022 around +16% Y/Y, reaching $296B.

TechInsights' IC Supply/Demand indices were unchanged for the week, but continued improvements in More than Moore Foundry took its 2Q22 NowCast up to Balanced from Loose. Supply/Demand also tightened for OSATs as COVID flux continues to heavily affect this segment.

Inflation in Electronics' Retail Prices is abating.

Customer Satisfaction Survey

White Paper: Advantest five star ATE supplier in the TechInsights Customer Satisfaction Survey

Chip History Center

How Japan Lost its Semiconductor Industry: The 5 strategic causes behind the long-term failure of Japan's Semiconductor industry are covered in this paper. **How Power, Performance, Area, and Cost relate to Moore's Law:** Sunlin Chou discusses how managing these parameters have evolved over time in this 2004 conversation

The Chip Insider

Strategy and Tactics: Manish Bhatia Fireside Chat. Becoming Great: Micron

Semiconductor Stocks

- *TechInsights' Semiconductor Stock Indices were mostly flat*
  - *The S&P 500 dipped.*
- *Semiconductor Stock Index slipped this week despite claiming four of the top six stock spots*
  - *MediaTek came out on top*
- *Semiconductor Equipment Stock Index was led up by Advantest*
- *EDA Stock Index eked out a gain*
- *Electronics Materials Stock Index was led up by JSR*
- *Hottest Stocks: Advantest, JSR, MediaTek, AMD, SkyWater Technology, and JCET*

TechInsights

ADVANTEST®

five star ATE supplier

TechInsights Customer Satisfaction Survey 2022

Click for White Paper

TechInsights

Advantest Awarded RANKED 1st 10 BEST Supplier

- Advantest awarded RANKED 1st in the 2022 10 BEST *Large Chip Making Equipment Suppliers*
  - improves score by 9 basis points to an excellent 9.48
  - among the elite two to be honored as a 10 BEST supplier every year since the survey’s launch 34 years ago
- Customer satisfaction leadership is delivered with leading-edge products, operations, and customer relationships

LARGE SUPPLIERS OF CHIP MAKING EQUIPMENT	Rating	TechInsights Stars
ADVANTEST®	9.48	★★★★★
ASML	9.37	★★★★★
ASM Pacific Technology	8.84	★★★★½
Edwards	8.45	★★★★
Teradyne	8.15	★★★★
Kokusai Electric	7.94	★★★½
Lam Research	7.88	★★★½
Tokyo Electron	7.73	★★★½
Applied Materials	7.70	★★★½
Hitachi High-Tech	7.63	★★★½

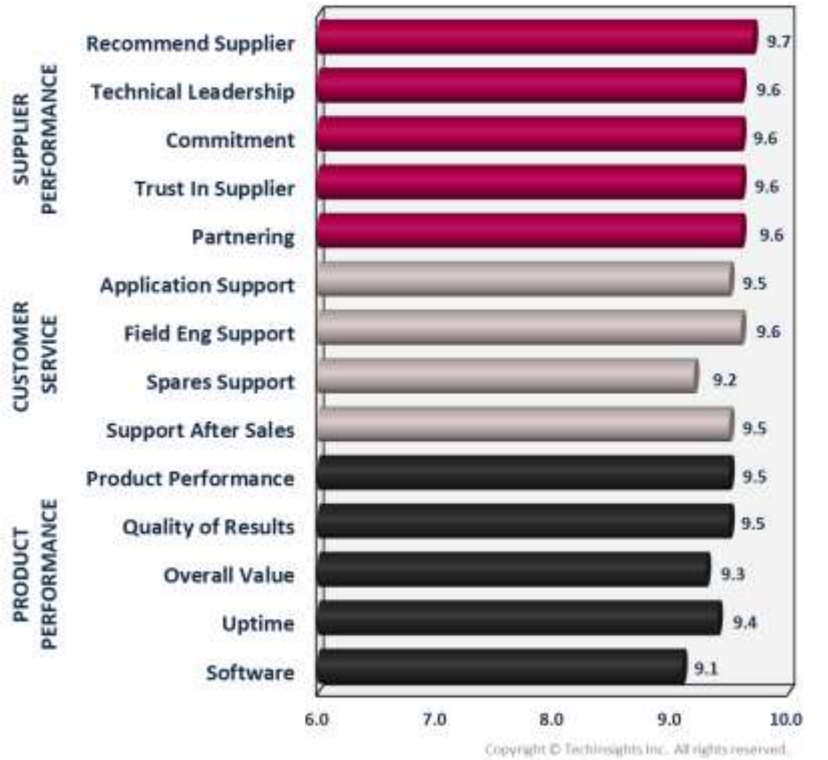
Click for White Paper

TechInsights

How Customers Perceive Advantest

- Improves its ratings in 10 rating categories
  - *recommend supplier*, *technical leadership*, and *commitment* up 20 basis points
  - *partnering*, *application support*, *field engineering support*, *support after sales*, *product performance*, *quality of results*, and *uptime* up 10 basis points
- Achieves the highest score of all 10 BEST *Large Chip Making Equipment Suppliers* in 10 rating categories
- Highest scores*
  - *Recommend Supplier*
  - *Technical Leadership*
  - *Commitment*
  - *Trust In Supplier*
  - *Partnering*
  - *Field Engineering Support*

**Listed in order of score, highest to lowest*



Click for White Paper

The Chip Insider®'s Graphics File

May 2022

It's hot and humid but distant clouds threaten the upturn

- Order activity for semiconductor equipment held steady at a hot 110 degrees in the last week of May
- Equipment demand remains red hot and is not showing any signs of abating anytime soon
- TechInsights' Chip Price Performance Index continued to trend lower, but at a slower rate

Forecast as of May 2022:	*2021*	*2022*
Semi Equipment ($B):	***$ 126.6***	***$ 152.4***
Sequential Change	*36.6%*	*20.3%*
Capacity Utilization:	*97.2%*	*96.9%*
ICs ($B):	***$ 492.3***	***$ 571.7***
Sequential Change	*27.4%*	*16.1%*
IC Units (BU):	*394.2*	*439.0*
Sequential Change	*23.7%*	*11.4%*
Electronics ($B) :	***$ 2,574***	***$ 2,758***
Sequential Change	*18.9%*	*7.1%*

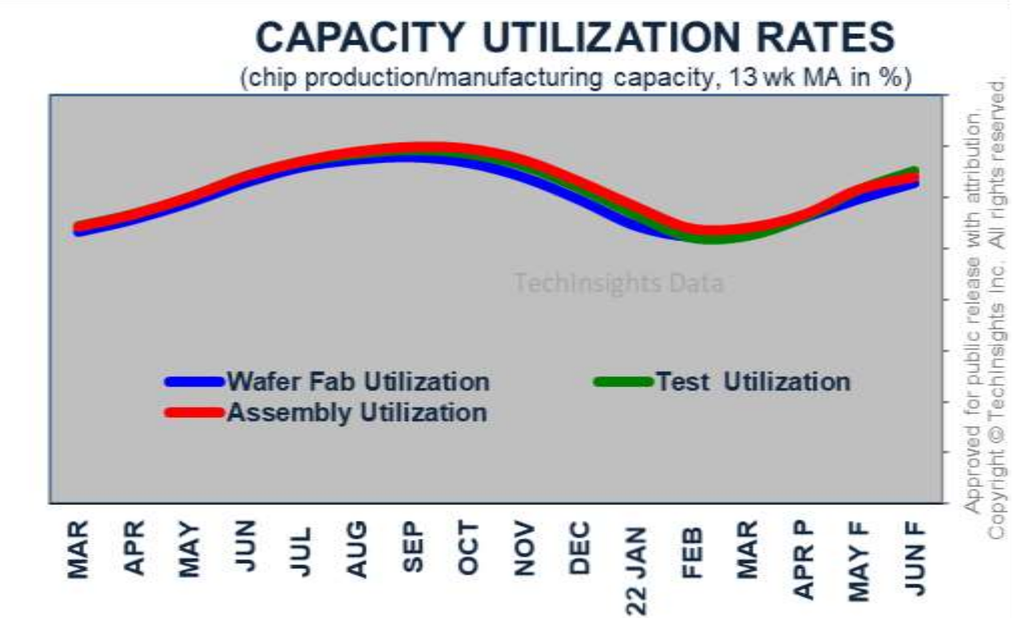
[Contact us to access more details]

TechInsights

The Chip Insider® Graphics

Capacity Utilization Rates:

- Utilization rates remain elevated



Capacity Utilization Rates: chart gives rolling averages for semiconductor wafer fab, test, and assembly

TechInsights

Insights Interview:

Workforce Development Solutions…
with Ajit Manocha of SEMI

What the conversation is about:

- Labor shortages have become the echo pandemic from the ravages COVID has had on the economy.
- This is no truer than in the semiconductor industry, where Workforce Development has long been on the To-Do lists of many.
- Most industry efforts appear to be more about lobbying others to do something about workforce development.
- It’s really hard to do something substantive about it but SEMI is.

[Click here to watch online](#)

TechInsights

Semiconductor Analytics

Last Week in the Semiconductor Market:

Semiconductor sales growth ran in the low single digit W/Q last week, with sales well above 2021 levels. The IC weather was mixed with a 1˚F rise last week. Zooming in on Logic growth this week, the 13-wk MA has decelerated 2021 levels to the low 20% range. Growth is forecast to finish 2022 around +16% Y/Y, reaching $296B.

TechInsights' IC Supply/Demand indices were unchanged for the week, but continued improvements in More than Moore Foundry took its 2Q22 NowCast up to Balanced from Loose. Supply/Demand also tightened for OSATs as COVID flux continues to heavily affect this segment.

Inflation in Electronics' Retail Prices is abating.

W/W: Week-over-Week sequential growth W/Q: Week-over-Quarter W/Y: Week-over-Year

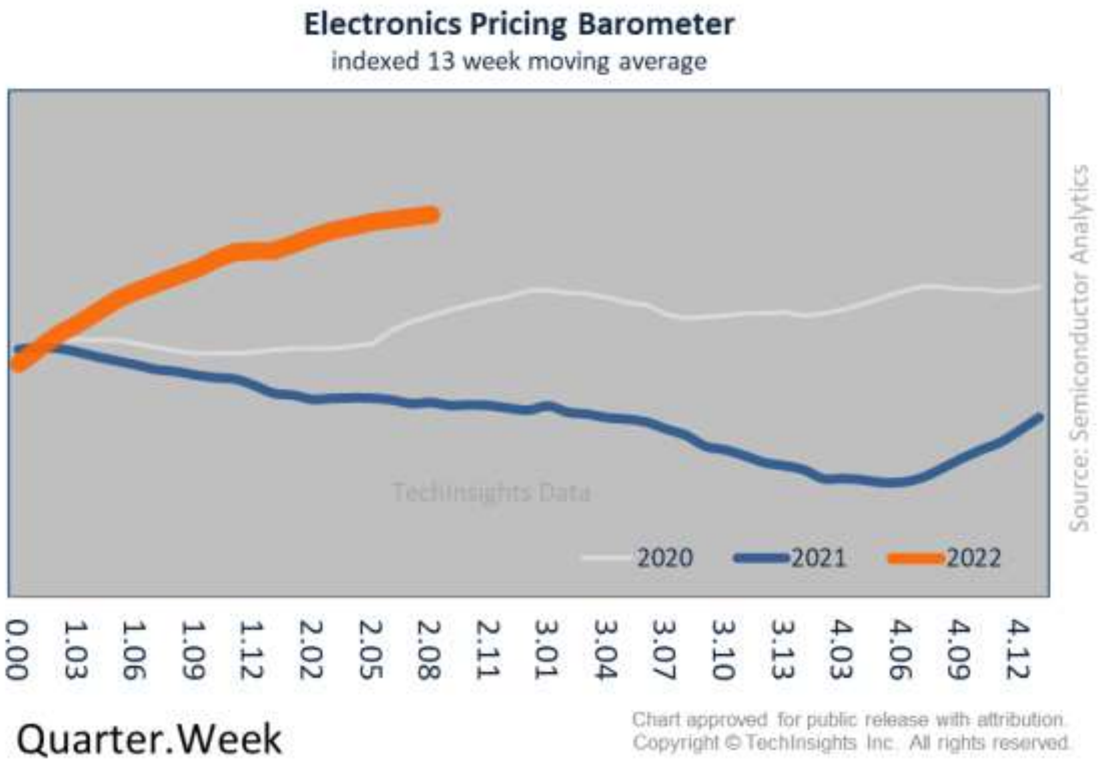
1: Measures Order Activity 2: Measures Pricing Power

TechInsights

Electronics Retail Pricing Trends:

for PC notebooks Tablets Smartphones Cell phones Digital Cameras Appliances TVs

Inflation in Electronics' Retail Prices is abating



TechInsights

Insights Interview:

Innovation in Memory …

with Scott DeBoer of Micron Technology

What the conversation is about:

- Scott DeBoer of Micron Technology has a conversation with Dan Hutcheson about what it takes to innovate in Memory today. Scott leads Micron's global technology development and engineering efforts – from silicon design to high-value system solutions.

Click here to watch online

TechInsights

Strategy & Tactics

Strategy and Tactics: Manish Bhatia Fireside Chat. Becoming Great: Micron

Summaries:

Fireside Chat with Manish Bhatia, Micron Technology: *First, let me say, many thanks to Advantest and Micron Technology for all their support in making this fireside chat possible... Here are some key points from our chat: Manish is clearly aligned from operations through customer to end markets, which could be seen when asked to walk me through how he sees the growth in memory markets. To say he is bullish about memory is an understatement. He sees memory growing … As Manish puts it, "All new architectures, whether in CPUs, GPUs, or internally designed processors (Apple, AWS) are all prioritizing memory bandwidth and capacity…"*

What about the memory cycle? First proof point to make is … the memory market has been far less cyclical and consistently profitable in this century… Memory is more diversified… Manish then related how all of this relates to operations. "Micron is leading in technology… both DRAM and NAND for … Manish emphasized "Technology Leadership at Scale," which he sees as a major differentiator. Micron processes … Manish wants to harness leadership at scale to find and address … to "Unlock the Hidden Knowledge" with … Micron's one of the best on quality and reliability and have very high DPM and QoS (Quality of Service) product specs. According to Manish, Today "leadership requires deeper partnerships with all partners… Micron is partnering like never before. The big shift I saw was the data-sharing partnership with Merck EMD group announced at SEMICON West last year. At Advantest's VOICE 2022, Manish mentioned partnering with Advantest on… Historically, the latter three have always been a key point of character in Micron's corporate culture.

Becoming Great: Micron *has a culture that is contagious, because people who join quickly pick it up and internalize it. It's endured as well, which explains their steady rise and ability to prevail in a market that has vanquished many companies around the globe. If semiconductors are the extreme sport of business, memory is the hyper-extreme... I've had the honor to know every CEO at Micron. To show how strong the company's culture is, it was successful even though it was funded by a potato farmer, J.R. Simplot, and initially led by attorney Joe Parkinson, then later by Steve Appleton whose major was in Business Administration... This dispels the commonly held belief by many industry analysts that one has to have a technical degree to successfully lead a semiconductor company. What made all three effective had more to do with character than technical understanding. Character that enabled them to make decisions quickly, as well as develop and enunciate a clear and simple business strategy…*

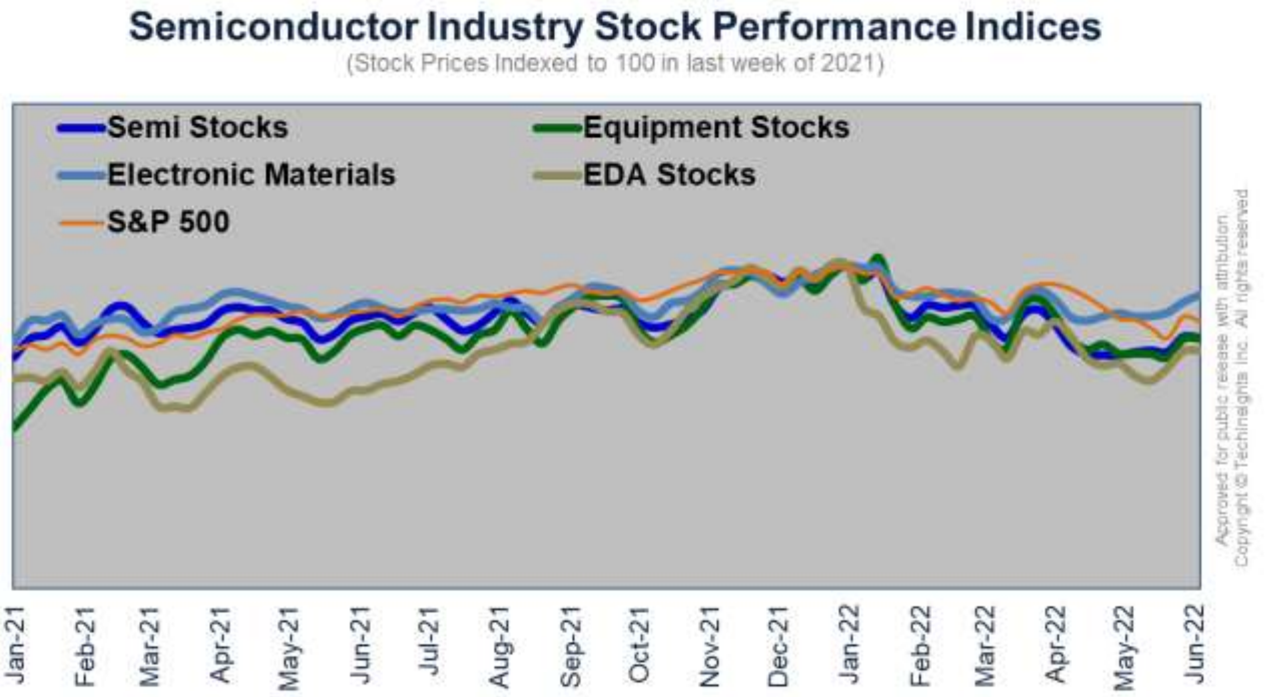
[Contact us to get the full report and more]

TechInsights

How Japan Lost its Semiconductor Industry: The 5 strategic causes behind the long-term failure of Japan's Semiconductor industry are covered in this paper. Some were of their own making. Others were macroeconomic tsunamis that could not have been avoided. But they could have been adapted to, as some companies did. It also provides the lessons that can be learned from the errors made.

How Power, Performance, Area, and Cost relate to Moore's Law: Sunlin Chou discusses how managing these parameters have evolved over time in this 2004 conversation. As semiconductor chips get larger it would seem they would consume more power. Learn why this is not the case. Also, the new issues that were emerging as semiconductors crossed the 100nm barrier.

semiStockWEEK: TechInsights' Semiconductor Stock Indices were mostly flat with Electronic Materials increasing the most while the S&P 500 dipped.



TechInsights' Stock Indices:

Semiconductors -0.3%
Equipment +0.1%
Electronic Materials +1.9%
EDA +0.3%

TechInsights

Semiconductor Stocks:

Weekly Growth and Forward P/E Ratios by Company

Weekly Gains					6/3/2022
Semiconductor Stocks	Price Change	Forward P/E	**Semiconductor Stocks**	Price Change	Forward P/E
IDM			***Fab-lite to Fabless***		
Intel	-2.6%	12	AMD	**4.0%**	20
Micron	-4.6%	6	Analog Devices	-1.4%	17
ON Semiconductor	**2.9%**	12	Broadcom	-3.4%	15
Samsung Electronics	**0.5%**	–	IBM	**1.4%**	13
SK hynix	**0.9%**		Infineon	**0.4%**	15
STMicroelectronics	-1.4%	11	MagnaChip Semiconductor	**1.4%**	14
Western Digital	-3.5%	7	MaxLinear	**0.2%**	9
Foundry & OSAT			MediaTek	**5.5%**	–
Amkor	-1.4%	7	NVIDIA	-0.5%	29
ASE	**0.9%**	8	Panasonic	-2.2%	11
GLOBALFOUNDRIES	-2.2%	24	Qualcomm	**1.0%**	11
JCET	**3.5%**	13	Silicon Laboratories	-3.2%	36
SkyWater Technology	**3.9%**	–	Skyworks	-1.8%	9
SMIC	-0.3%	11	Texas Instruments	-3.2%	20
TSMC	0.1%	15			
UMC	-0.6%	9			

Above Avg

Top 4-6

Top 1-3

TechInsights' Semiconductor Stock Index slipped this week despite claiming four of the top six stock spots. MediaTek came out on top, followed by AMD, SkyWater Technology, and JCET.

IDM -1.1%
Foundry & OSAT +0.5%
Fabless & Fablite -0.1%

AMD AMD Analog Devices ADI Amkor AMKR ASE ASX Broadcom AVGO GLOBALFOUNDRIES GFS IBM IBM Infineon IFNNY.PK Intel INTC JCET 600584.SS Micron Technology MU On Semiconductor ON Panasonic PC MagnaChip Semiconductor MX MaxLinear MXL MediaTek 2454.TW NVIDIA NVDA Qualcomm QCOM Samsung Electronics 005930.KS Silicon Laboratories SLAB SkyWater Technology SKYT Skyworks SWKS SMIC SMI STMicroelectronics STM Texas Instruments TXN TSMC TSM UMC UMC Western Digital WDC

TechInsights

Chip Equipment & Related Stocks:

Weekly Growth and Forward P/E Ratios by Company

Weekly Gains					6/3/2022
Equipment Stocks	Price Change	Forward P/E	**Equipment Stocks**	Price Change	Forward P/E
Wafer Fab:			***Test:***		
Applied Materials	-3.8%	14	Advantest	**7.7%**	–
ASM International	**0.2%**	21	Teradyne	-1.8%	17
ASML	-3.4%	28	FormFactor	-4.0%	20
KLA	-2.4%	15			
Lam Research	-3.2%	14	***Assembly:***		
Onto Innovation	0.1%	–	BESI	**2.8%**	–
Nikon	**2.4%**	–	Kulicke & Soffa	-0.7%	8
TEL	**1.4%**	–	ASM Pacific Technology	**3.0%**	
Veeco Instruments	-0.3%	11			

Above Avg | Top 4-6 | Top 1-3

TechInsights' Semiconductor Equipment Stock Index eked out a gain and was led up by Advantest who announced plans to acquire CREA this week. Assembly Equipment Suppliers faired the best this week.

WFE -1.0%
Test +0.6%
Assembly +1.7%

Applied Materials AMAT Advantest ATEYY
ASM International ASMIY
ASM Lithography ASML ASM Pacific 0522.HK
BE Semiconductor BESIY.PK
FormFactor FORM KLA KLAC
Kulicke & Soffa KLIC Lam Research LRCX
Onto Innovation ONTO Nikon 7731
Teradyne TER Tokyo Electron Limited 8035
Veeco VECO

TechInsights

Electronic Materials Stocks:

Weekly Growth and Forward P/E Ratios by Company

Weekly Gains					6/3/2022
EDA & Electronic Materials Stocks	Price Change	Forward P/E	**EDA & Electronic Materials Stocks**	Price Change	Forward P/E
EDA			DNP	**0.5%**	–
Cadence	**1.5%**	35	DuPont de Nemours	-2.2%	5
Synopsys	**1.5%**	33	JSR	**7.6%**	–
Ansys	-2.1%	30	Shin-Etsu	**3.3%**	–
Electronic Materials			SOITEC	-0.8%	–
BASF	**1.9%**	2	Tokyo Ohka	**3.2%**	–
CMC Materials	**1.4%**	22			

Above Avg | Top 4-6 | Top 1-3

TechInsights' EDA Stock Index eked out a gain.

TechInsights' Electronic Materials Stock Index was led up by JSR.

Ansys, Inc. ANSS BASF BASFY
CMC Materials CCMP Cadence CDNS
DNP 7912 DuPont DD JSR 4185
Shin-Etsu 4063 SOITEC SOI.PA
Synopsys SNPS Tokyo Ohka 4186

TechInsights

The Prior Week's Close	TechInsights' Indices of Chip Industry Stocks				Weekly Growth				Companies Up	Max Growth	Companies Down	Min Growth	Range of Growth	S&P 500	S&P 500 Growth
	Semi Stocks	Equipment Stocks	Materials Stocks	EDA Stocks	Semi Stocks	Equipment Stocks	Materials Stocks	EDA Stocks							
29-Oct-21	89.0	89.6	93.7	92.2	2.6%	5.0%	2.6%	3.8%	38	24.6%	-16	-8.3%	32.9%	96.6	1.3%
05-Nov-21	94.4	95.0	98.0	94.6	6.1%	6.1%	4.6%	2.5%	45	30.5%	-8	-29.8%	60.3%	98.6	2.0%
12-Nov-21	95.9	95.5	98.7	96.4	1.5%	0.4%	0.7%	1.9%	31	8.5%	-16	-12.1%	20.6%	98.3	-0.3%
19-Nov-21	98.3	97.5	98.2	99.4	2.6%	2.1%	-0.4%	3.2%	39	12.2%	-16	-16.8%	29.0%	98.6	0.3%
26-Nov-21	97.7	96.0	95.5	96.8	-0.6%	-1.6%	-2.8%	-2.7%	16	11.8%	-39	-9.6%	21.4%	98.6	0.1%
03-Dec-21	95.9	94.5	92.9	95.0	-1.9%	-1.6%	-2.7%	-1.9%	12	6.0%	-44	-11.1%	17.1%	95.2	-3.5%
10-Dec-21	97.5	96.9	95.7	98.8	1.6%	2.6%	3.0%	4.0%	40	13.2%	-15	-7.5%	20.7%	98.9	3.8%
17-Dec-21	94.7	93.8	97.7	96.5	-2.9%	-3.2%	2.1%	-2.3%	12	25.6%	-43	-15.6%	41.2%	96.9	-1.9%
24-Dec-21	98.6	97.7	99.3	100.2	4.1%	4.2%	1.7%	3.8%	50	13.8%	-6	-2.8%	16.6%	99.2	2.3%
31-Dec-21	100.0	100.0	100.0	100.0	1.5%	2.3%	0.7%	-0.2%	44	8.1%	-11	-2.7%	10.8%	100.0	0.9%
07-Jan-22	96.6	96.3	99.4	89.7	-3.4%	-3.7%	-0.6%	-10.3%	10	7.4%	-45	-17.5%	24.9%	98.1	-1.9%
14-Jan-22	98.5	102.0	99.3	87.4	2.0%	5.9%	-0.1%	-2.5%	36	23.7%	-20	-4.9%	28.6%	97.8	-0.3%
21-Jan-22	90.1	90.4	93.8	81.0	-8.5%	-11.4%	-5.6%	-7.3%	3	5.1%	-53	-20.3%	25.4%	92.3	-5.7%
28-Jan-22	87.1	84.5	92.4	79.7	-3.4%	-6.6%	-1.5%	-1.7%	11	5.0%	-45	-21.8%	26.8%	93.0	0.8%
04-Feb-22	90.2	87.3	92.3	81.5	3.5%	3.3%	-0.1%	2.3%	41	17.5%	-13	-4.3%	21.8%	94.4	1.6%
11-Feb-22	89.6	86.1	93.2	78.7	-0.7%	-1.4%	1.0%	-3.4%	20	10.6%	-33	-8.9%	19.5%	92.7	-1.8%
18-Feb-22	90.1	86.8	93.0	75.0	0.6%	0.8%	-0.2%	-4.7%	28	12.2%	-26	-7.0%	19.2%	91.2	-1.6%
25-Feb-22	90.1	87.5	91.9	82.5	0.0%	0.8%	-1.3%	9.9%	30	14.7%	-25	-9.5%	24.2%	92.0	0.8%
04-Mar-22	85.3	81.4	86.8	81.5	-5.3%	-6.9%	-5.5%	-1.2%	7	6.4%	-48	-18.6%	25.0%	90.8	-1.3%
11-Mar-22	82.1	79.7	87.1	76.9	-3.7%	-2.2%	0.3%	-5.7%	9	9.7%	-45	-11.1%	20.8%	88.2	-2.9%
18-Mar-22	87.9	90.3	92.7	83.7	7.1%	13.3%	6.5%	8.8%	53	31.3%	-2	-5.9%	37.2%	93.6	6.2%
25-Mar-22	89.1	91.8	94.0	82.9	1.3%	1.7%	1.3%	-0.9%	36	9.2%	-16	-5.5%	14.7%	95.3	1.8%
01-Apr-22	85.4	87.8	91.5	86.1	-4.2%	-4.3%	-2.6%	3.9%	5	5.0%	-50	-23.1%	28.1%	95.4	0.1%
08-Apr-22	80.1	81.9	87.1	82.3	-6.2%	-6.8%	-4.8%	-4.4%	2	5.5%	-53	-17.6%	23.1%	94.2	-1.3%
15-Apr-22	78.1	79.2	86.4	76.9	-2.5%	-3.3%	-0.9%	-6.6%	6	4.2%	-49	-10.9%	15.1%	92.2	-2.1%
22-Apr-22	77.8	80.5	87.4	75.2	-0.3%	1.6%	1.3%	-2.2%	30	9.3%	-25	-18.8%	28.1%	89.6	-2.8%
29-Apr-22	77.8	78.2	88.2	75.7	0.0%	-2.9%	0.9%	0.7%	22	21.1%	-32	-14.9%	36.0%	86.7	-3.3%
06-May-22	78.6	78.3	87.3	72.6	0.9%	0.1%	-1.0%	-4.1%	30	12.0%	-25	-11.7%	23.7%	86.5	-0.2%
13-May-22	79.0	78.1	87.5	71.4	0.5%	-0.1%	0.2%	-1.6%	28	8.2%	-25	-10.0%	18.2%	84.4	-2.4%
20-May-22	78.6	77.3	88.3	74.5	-0.5%	-1.1%	1.0%	4.3%	22	17.9%	-30	-7.7%	25.6%	81.9	-3.0%
27-May-22	82.3	81.9	90.9	78.7	4.8%	6.0%	2.9%	5.6%	48	30.3%	-7	-7.8%	38.1%	87.2	6.6%
03-Jun-22	82.1	82.0	92.6	78.9	-0.3%	0.1%	1.9%	0.3%	29	7.7%	-26	-4.6%	12.3%	86.2	-1.2%

TechInsights

Links to Conference Call Transcripts

June 3rd

HP Inc's (HPQ) CEO Enrique Lores on Cowen 50th Annual Technology, Media & Telecom Conference (Transcript)

International Business Machines Corporation's (IBM) CEO Arvind Krishna Presents at Bernstein 38th Annual Strategic Decisions Conference (Transcript)

American Superconductor Corporation (AMSC) CEO Daniel McGahn on Q4 2021 Results - Earnings Call Transcript

Texas Instruments Incorporated's (TXN) CEO Rich Templeton Presents at Bernstein 38th Annual Strategic Decisions Conference (Transcript)

HP Inc.'s (HPQ) CEO Enrique Lores at Bernstein's 38th Annual Strategic Decisions Conference (Transcript)

QUALCOMM Incorporated's (QCOM) CEO Cristiano Amon Presents at Bernstein 38th Annual Strategic Decisions Brokers Conference (Transcript)

Lam Research Corporation (LRCX) CEO Tim Archer Presents at Bernstein 38th Annual Strategic Decisions Conference (Transcript)

Broadcom Inc. (AVGO) CEO Hock Tan on Q2 2022 Results and VMware Acquisition (Transcript)

HP Inc. (HPQ) CEO Enrique Lores on Q2 2022 Results - Earnings Call Transcript

May 27th and before

NVIDIA Corporation (NVDA) CEO Jensen Huang On Q1 2023 Results - Earnings Call Transcript

Applied Materials, Inc. (AMAT) CEO Gary Dickerson on Q2 2022 Results - Earnings Call Transcript

Synopsys, Inc. (SNPS) CEO Aart de Geus on Q2 2022 Results - Earnings Call Transcript

Analog Devices, Inc. (ADI) CEO Vincent Roche on Q2 2022 Results - Earnings Call Transcript

Camtek Ltd. (CAMT) CEO Rafi Amit on Q1 2022 Results - Earnings Call Transcript

GlobalFoundries Inc.'s (GFS) CEO Thomas Caulfield on Q1 2022 Results - Earnings Call Transcript

Links to Conference Call Transcripts

Microchip Technology Incorporated (MCHP) CEO Ganesh Moorthy on Q4 2022 Results - Earnings Call Transcript
Veeco Instruments Inc. (VECO) CEO Bill Miller on Q1 2022 Results - Earnings Call Transcript
Kulicke and Soffa Industries' (KLIC) CEO Fusen Chen on Q2 2022 Results - Earnings Call Transcript
Axcelis Technologies, Inc. (ACLS) CEO Mary Puma on Q1 2022 Results - Earnings Call Transcript
Advanced Energy Industries, Inc. (AEIS) CEO Stephen Kelley on Q1 2022 Results - Earnings Call Transcript
Qorvo, Inc. (QRVO) CEO Bob Bruggeworth on Q4 2022 Results - Earnings Call Transcript
Magnachip Semiconductor Corporation (MX) CEO YJ Kim on Q1 2022 Results - Earnings Call Transcript
SkyWater Technology, Inc. (SKYT) CEO Thomas Sonderman on Q1 2022 Results - Earnings Call Transcript
Lattice Semiconductor Corporation (LSCC) CEO Jim Anderson on Q1 2022 Results - Earnings Call Transcript
Onto Innovation's (ONTO) CEO Michael Plisinski on Q1 2022 Results - Earnings Call Transcript
Advanced Micro Devices, Inc.'s (AMD) CEO Dr. Lisa Su on Q1 2022 Results - Earnings Call Transcript
Skyworks Solutions, Inc. (SWKS) CEO Liam Griffin on Q2 2022 Results - Earnings Call Transcript
Cirrus Logic, Inc. (CRUS) CEO John Forsyth on Q4 2022 Results - Earnings Call Transcript
ams-OSRAM AG (AMSSY) CEO Alex Everke on Q1 2022 Results - Earnings Call Transcript
Vishay Intertechnology, Inc. (VSH) CEO Gerald Paul on Q1 2022 Results - Earnings Call Transcript
NXP Semiconductors N.V. (NXPI) CEO Kurt Sievers on Q1 2022 Results - Earnings Call Transcript
DuPont de Nemours, Inc. (DD) CEO Ed Breen on Q1 2022 Results - Earnings Call Transcript
Cabot Corporation (CBT) CEO Sean Keohane on Q2 2022 Results - Earnings Call Transcript
Amkor Technology, Inc. (AMKR) CEO Giel Rutten on Q1 2022 Results - Earnings Call Transcript

TechInsights

Links to Conference Call Transcripts

SK hynix Inc. (HXSCF) Management on Q1 2022 Results - Earnings Call Transcript
Advantest Corporation (ATEYY) CEO Yoshiaki Yoshida On Q4 2021 Results - Earnings Call Transcript
BE Semiconductor Industries N.V.'s (BESIY) CEO Richard Blickman on Q1 2022 Results - Earnings Call Transcript
Honeywell International Inc. (HON) CEO Darius Adamczyk on Q1 2022 Results - Earnings Call Transcript
BASF SE (BASFY) CEO Martin Brudermüller on Q1 2022 Results - Earnings Call Transcript
MaxLinear, Inc. (MXL) CEO Kishore Seendripu on Q1 2022 Results - Earnings Call Transcript
Qualcomm, Inc. (QCOM) CEO Cristiano Amon on Q2 2022 Results - Earnings Call Transcript
FormFactor, Inc. (FORM) CEO Michael Slessor on Q1 2022 Results - Earnings Call Transcript
MKS Instruments' (MKSI) CEO John Lee on Q1 2022 Results - Earnings Call Transcript
Teradyne, Inc. (TER) CEO Mark Jagiela on Q1 2022 Results - Earnings Call Transcript
STMicroelectronics N.V. (STM) CEO Jean-Marc Chery on Q1 2022 Results - Earnings Call Transcript
United Microelectronics Corporation (UMC) on Q1 2022 Results - Earnings Call Transcript
ASM International NV (ASMIY) CEO Benjamin Loh on Q1 2022 Results - Earnings Call Transcript
Lam Research Corporation (LRCX) CEO Tim Archer on Q3 2022 Results - Earnings Call Transcript
ASML Holding N.V.'s (ASML) CEO Peter Wennink on Q1 2022 Results - Earnings Call Transcript
International Business Machines Corporation's (IBM) CEO Arvind Krishna on Q1 2022 Results - Earnings Call Transcript
Taiwan Semiconductor Manufacturing Company Limited (TSM) CEO C. C. Wei on Q1 2022 Results - Earnings Call Transcript
Western Digital Corporation (WDC) Presents at Morgan Stanley 2022 Technology, Media & Telecom Conference (Transcript)
Cisco Systems, Inc. (CSCO) Management Presents at Morgan Stanley Technology, Media and Telecom Conference 2022 Transcript

TechInsights

TechInsights recent uploads

Chip Market Research Services Uploads:

ForecastPro Module:

- Semiconductor Forecast – V22.06
- Design Completions – V22.05
- TCI Graphics – V22.04
- Reticles – V22.04
- Electronics & Macroeconomy – V22.03
- Diffusion Rates and Utilization – V22.03
- Silicon Demand – V22.03
- CapEx Distribution – V22.03
- Semi, Silicon, and Equip L-T Forecast – V22.02

Equipment Database Module:

- Scanner & Stepper Shipments – V22.04
- IC Equipment Forecast:
  - Yearly – V22.05
- WFE by Applications – V22.01
- WFE Equipment Market Shares:
  - Yearly – V22.05
  - Quarterly – V22.05

Customer Satisfaction Survey Uploads:

- 2022 CSS Databases
- 2022 Survey Documents

Critical Subsystems Uploads:

- Critical Subsystems Forecasts – V22.05
- Device Forecast Summary – V22.05
- Manufacturing Equipment Forecasts – V22.05
- Substrate Processing Equipment Shipments – V22.05
- Substrate Processing Equipment Installed Base – V22.05
- Chamber Shipments – V22.05
- Supplier Shares – V22.03

Test Connectivity Reports:

- Test and Burn-In Socket Report : V21.04
- Probe Card Report: V21.04
- Device Interface Board Report: V20.05

TechInsights

Terms and Conditions, Notices, and Disclaimers, etc.

By accepting this report, opening it, or using it you are agreeing to these terms This report contains valuable data, intellectual property, and trade secrets developed or acquired by TechInsights. You have a limited license to hold these materials but do not become the owner of any material. The materials provided are protected by copyright, trade secret, and trademark law. This presentation has been approved by TechInsights for public release with attribution. The information in the materials may be used by you on a limited basis in your own documents provided that those documents are not-for-sale; TechInsights' name, brand, or trademarks are not used to endorse a product or company for sales purposes; TechInsights is clearly referred to as the source of such information; and you obtain written approval prior to use.

This report is provided on an "AS IS," "WHERE IS", "WHERE AVAILABLE", "WITH ALL FAULTS" basis. TechInsights does not warrant these materials or the information provided therein, either expressly or impliedly, for any particular purpose and TechInsights specifically disclaims any express or implied warranties, including but not limited to, any express or implied warranties of TITLE, ACCURACY, NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR ANY PARTICULAR PURPOSE OR USE.

The sources of the information in this report include numerous individual reports, memos and bulletins from various segments of the industry, annual reports, financial reports, interviews, questionnaires, surveys, technical symposia, trade journals, technical journals and individual assessments by knowledgeable company or industry representatives as well as our own analysis and judgment. Some companies are more cooperative about providing information than others and some companies decline to provide or validate the accuracy of any information. Although the information provided is obtained or compiled from sources TechInsights believes to be reliable given the oftentimes difficult circumstances under which it is collected, TechInsights cannot and does not warrant or guarantee the accuracy, validity, truthfulness, timeliness, or completeness of any information or data made available to you for any particular purpose. In no event will TechInsights be liable to you or any third party, whether in contract, tort or under any other legal theory, for any direct, indirect, special, consequential or incidental damages, or any other damages of any kind even if TechInsights has been advised of the possibility thereof.

We receive letters and e-mails on current topics covered in our services and/or reports that are of interest to our subscribers, as well as comments on our reports. We value that subscriber input and like to use it. By submitting such material to us, unless you tell us specifically not to publish it, or except to the extent that you give us an embargo date before which you instruct us not to publish it, you authorize us to publish and republish it in any form or medium, to edit it for style and length, and to comment upon or criticize it and to publish others' comments or criticisms concerning it, as the case may be.

This report may contain information concerning stocks that is obtained from the opinions of industry analysts. Quoted past results are not necessarily indicative of future performance. None of the information should be seen as a recommendation to buy or sell any securities. We are not stock analysts or investment advisors. You should contact a registered investment advisor as to the nature, potential, value or suitability of any particular investment action. No information provided is investment advice and any such information is just an opinion and is not tailored to the investment needs of any specific person. Certain statements in this report, other than statements of historical fact, and other written or oral statements made by TechInsights may be forward-looking. In some cases, you can identify forward-looking statements by terminology such as "may", "will", "should", "expects", "intends", "plans", "anticipates", "believes", "thinks", "estimates", "seeks", "predicts", "potential", and similar expressions. Although TechInsights believes that these statements are based on reasonable assumptions, they are subject to numerous factors, risks and uncertainties that could cause actual results and outcomes to be materially different from those stated or projected. Those factors, among others, could cause actual results and outcomes to differ materially from the results and outcomes stated or projected in, or implied by, the forward-looking statements. You should understand that forward-looking statements are not guarantees of results or outcomes. New risks and uncertainties arise from time to time, and TechInsights can not predict those events or how they may affect you, the reader. TechInsights Inc does not have any intention or obligation to update forward-looking statements after the date of this report.

No part of this report may be used in any legal proceedings nor may any of these materials or the information contained therein be disclosed to any third party, including investors or affiliated firms belonging to investors, outside directors or to your affiliated companies, or reproduced or transmitted to any third party, in any form or by any means – mechanical, electronic, photocopying, duplication, microfilming, videotape, verbally or otherwise – without the prior written permission of TechInsights.

The Chip Insider® and the CSS 10 BEST logo are registered trademarks of TechInsights Inc. All other trademarks, service marks, and logos are the property of their respective owners.

TechInsights