

Semiconductor WEEK:

October 28, 2022

An overview of results and conclusions from recent reports at TechInsights

Chip Market Research Services

Bearish conditions abound

- Order activity for semiconductor equipment extended its decline, slipping to 76 degrees
- Fab Capacity Utilization by Node

Semiconductor Analytics

Last Week in the Semiconductor Market:

The IC weather warmed 1°F, pulling out of Chilly conditions to Cool. TechInsights' IC Supply/Demand metrics remained Balanced for the 4th week in a row, with more signs of improvement. More than Moore Foundry gained a notch from Saturated to Loose as More Moore moved from Glut to Saturated.

Semiconductor sales recovered 5% last week, bouncing off 2020 levels. Zooming in on NAND this week, 13-wk MAs growth has been on a free fall, since peaking at +33% the week of November 19 to -36% last week. TechInsights forecasts NAND sales will reach \$47B in 2023 with a Y/Y decline of -12%, coming off -11% growth in 2022. Electronics' Retail Prices are rising into the holidays.

Chip History Center

Advantest: What made it a Successful Company Toshio Maruyama, then President & CEO of Advantest Corporation, reflects on the history and future of Advantest and its role in semiconductor ATE, in this historic 2006 Video.

Advantest - 50th Anniversary Advantest turned 50 on July 1, 2004. It was a milestone for one of Japan's greatest tech companies.

The Chip Insider

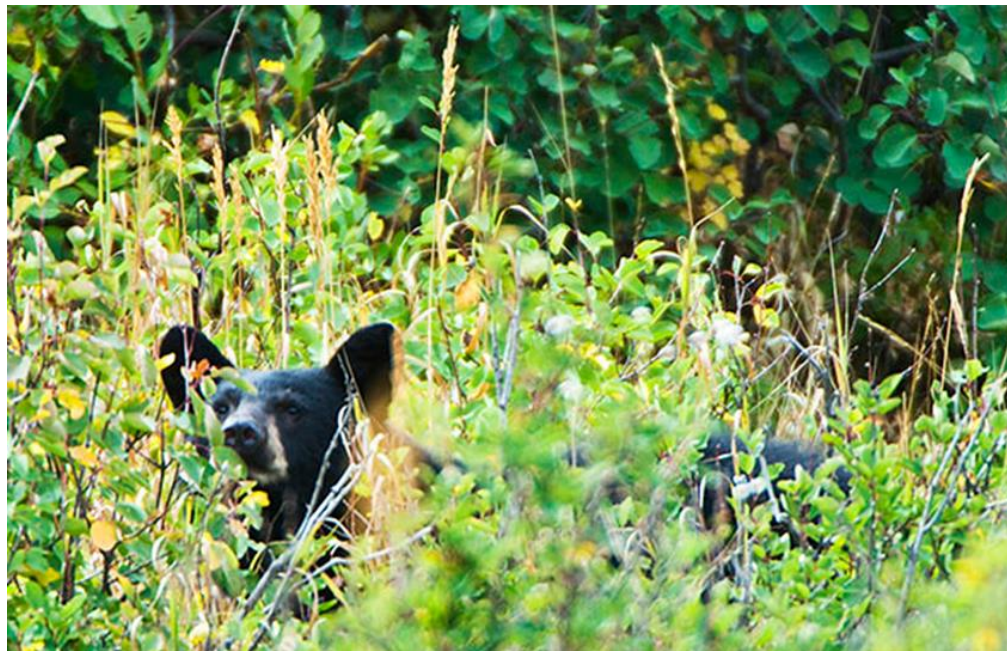
Strategy and Tactics: 2023 Forecast, When Forecasting fails

Semiconductor Stocks

- *TechInsights' Semiconductor Stock Indices and the S&P 500 rose this week while EDA Stock Index slipped*
- *Semiconductor Stock Index was led up by SkyWater Technology*
 - *SkyWater Technology was this week's biggest winner*
- *Semiconductor Equipment Stock Index was led up by KLA*
 - *KLA came out on top*
- *EDA Stock Index slipped*
- *Electronics Materials Stock Index was led up by Entegris*
- *Hottest Stocks: SkyWater Technology, NVIDIA, KLA, Lam Research, Applied Materials, and Advantest*

TechInsights

The Chip Insider[®]'s Graphics File



October 2022

Bearish conditions abound

- Order activity for semiconductor equipment extended its decline, slipping to 76 degrees
- The 2022 IC forecast was downgraded to 5% from 7% in the previous update due to faster-than-expected deteriorating conditions in 2H22
- TechInsights' Chip Price Performance Index continued to trend lower

Forecast as of October 2022:	2022	2023
Semi Equipment (\$B):	\$ 136.9	\$ 118.2
Sequential Change	7.9%	-13.6%
Capacity Utilization:	95.4%	89.8%
ICs (\$B):	\$ 516.2	\$ 486.3
Sequential Change	4.9%	-5.8%
IC Units (BU):	412.9	405.9
Sequential Change	4.7%	-1.7%
Electronics (\$B) :	\$ 2,534	\$ 2,430
Sequential Change	-1.6%	-4.1%

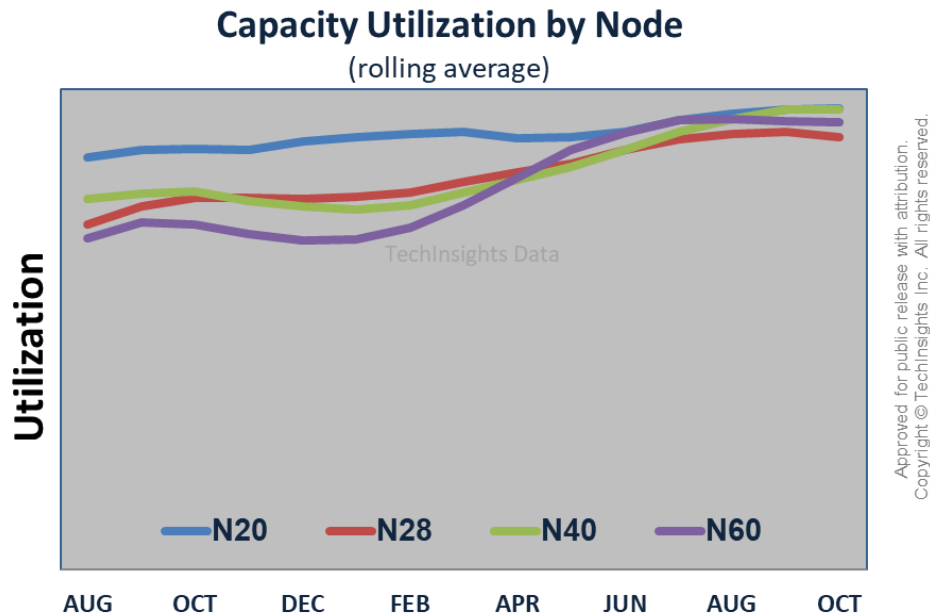
[Contact us to access more details](#)

The Chip Insider[®] Graphics

Capacity Utilization by Node:

- Utilization rates remain at high levels

Fab Capacity Utilization by Node: chart gives rolling averages for 20nm 22nm 28nm 32nm 40nm 45nm 60nm 65nm and larger



2022 SIA AWARDS DINNER THURSDAY, NOVEMBER 17, 2022

SAN JOSE MARRIOTT
301 S MARKET ST, SAN JOSE, CA 95113
SIA Reception: 5-6:30 p.m.
Dinner, Awards, Keynote: 6:30-8:30 p.m.
After-Dinner Reception: 8:30-10 p.m.

NOYCE AWARD RECIPIENT

LIP-BU TAN

Executive Chairman and Former CEO
Cadence Design Systems,
Inc. Founder and Chairman
Walden International
Founding Managing Partner
Walden Catalyst Ventures



KEYNOTE SPEAKER

JIM FARLEY

President and CEO
of Ford Motor
Company



For more information about tickets and
sponsorship opportunities please contact
Sarah Ravi at sravi@semiconductors.org

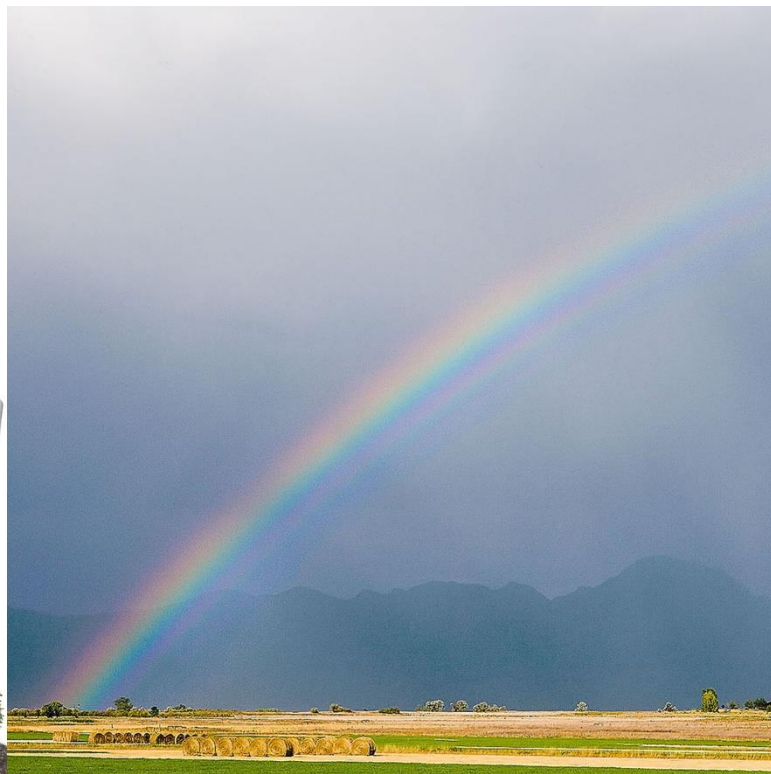
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Electronics' Retail Prices are rising into the holidays.

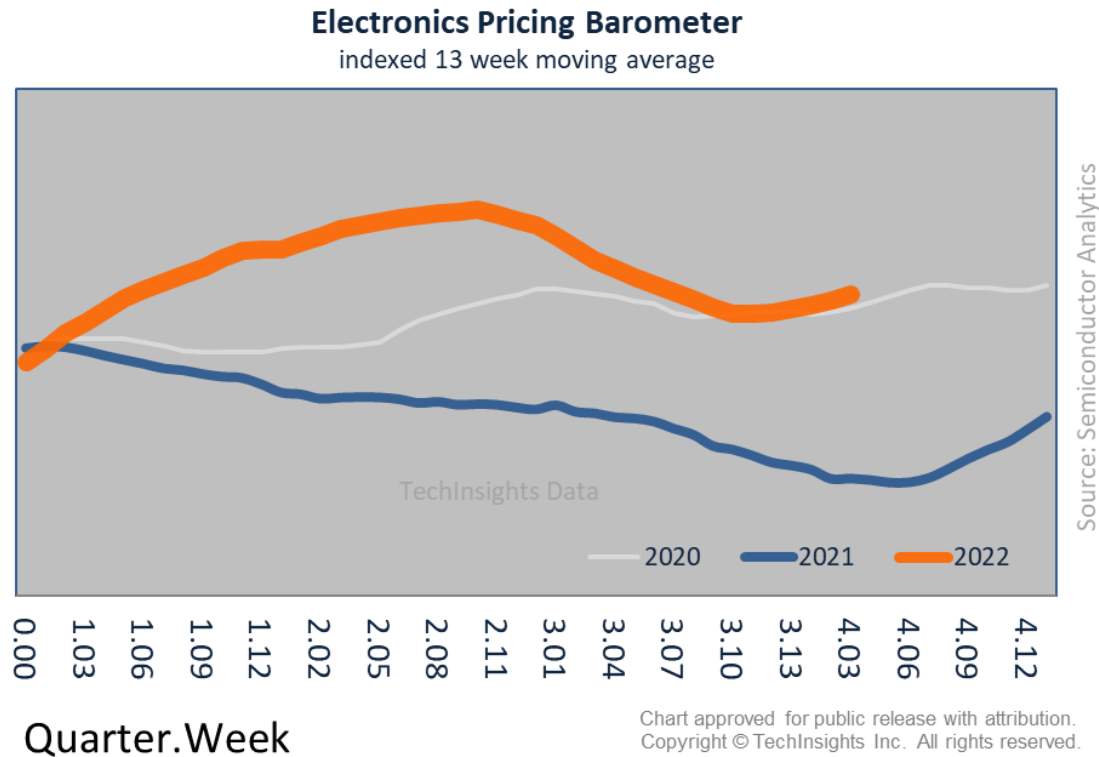


IC Weather Measures Order Activity S/D Measures Pricing Power

Electronics Retail Pricing Trends:

for PC notebooks Tablets Smartphones Cell phones Digital Cameras Appliances TVs

Electronics' Retail
Prices are rising into the
holidays.



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](#)

Strategy & Tactics



Strategy and Tactics: 2023 Forecast, When Forecasting fails

Summaries:

2023 Forecast Update: There were major changes to the 2023 projections in this week's TCI Graphics file. IC sales are expected to be down 6% and Semi Equipment off 14%, with WFE down 16%. Service and Support will buffer this, while Assembly and Test have already been beaten up, explaining its milder 2023. The roughest quarters for Assembly Equipment come at the end of 2022. WFE and Test will be hit the hardest in the second half of 2023. TechInsights have factored multiple headwinds into the forecast that have emerged rapidly since June.

When Forecasting fails: In 2021 and 2022, companies were caught out with major surprises that should not have been the case. First, there was the Great Chip Shortage of 2021, which was first reported in the Wall Street Journal early that year. Most recently was Journal's report: "Memory demand dries up" October 8-9, 2022 which came the weekend after AMD's surprise miss the Thursday before. They also added in Micron's report of a 45% drop in profit and Samsung's Friday "forecast" of a 32% crash in operating profit for the 3Q22 quarter. It is a general rule that all forecasts will be wrong. And as Yogi Berra so profoundly said, "Forecasting is difficult—Especially when it's about the future." The job of a forecaster is not to be right. It is to be less wrong. There are so many uncontrollable variables outside a model, that it's only pure luck when a forecaster is precisely right. Trust me... I know. But none of this means you can't forecast. Every decision about the future is a forecast, whether it's intentional or not. Driving to work is a forecast of a

paycheck and that you won't get into a traffic accident. Predators chasing prey are forecasting a meal. DNA is nature's forecast of an optimal life-form — the code for which was perfected and continues to be improved over time. As for DNA forecast error, sometimes a mutation gets it wrong. Life goes on because nature has built an amazing anti-fragile infrastructure to deal with unpredictable failures ... there were plenty of signs forecast fails in the making... the shift in 3-weeks from Glut to Shortage conditions in Auto IC Supply/Demand ... in 2020. Then there was the shift from Tight Overall conditions to Saturated in June of 2022, as inventory soared ... There was plenty of hoarding, which Reuter's reporter Jane Lanhee Lee described as "Chips face a toilet paper hoarding moment" on July 12... It was the most-read article on Reuters that day. While many observed these indications, few acted ... even us in changing our forecast. And companies only recently started to shift guidance...

What's Happening and What's the Meaning: New U.S. restrictions on American semiconductor equipment and citizens...

"Forecasting is difficult... Especially when it's about the future"

— Yogi Berra

[Contact us to get the full report and more](#)

TechInsights



Advantest: What made it a Successful Company Toshio Maruyama, then President & CEO of Advantest Corporation, reflects on the history and future of Advantest and its role in semiconductor ATE, in this historic 2006 Video. Made in the year of Advantest's 50th anniversary, topics covered include: Early history of the company as an instrument maker, named Takeda Riken, focused on serving Japanese customers. Evolution into an Automatic Test Equipment company. Launching its effort to become a global company. How to do it by changing the leadership concept of the day. Why they renamed the company to Advantest. The importance of branding globally ... the slogan, "Why test when you can Advantest." The issues of rising ATE development costs and its effects on profitability and customer concerns.

Advantest - 50th Anniversary Advantest turned 50 on July 1, 2004. It was a milestone for one of Japan's greatest tech companies. This documents that history from the company's first product, the Micro Ammeter, through it's release of its ground breaking T3340 VLSI Logic tester based on 100 MHz technology to it's T2000, T6577 SoC Tester and T5377S Memory Test System.



June 3, 2004

STC certifies the T2000

Our T2000 semiconductor test system was certified as the first product in compliance with OPENSTAR® standards established by STC.

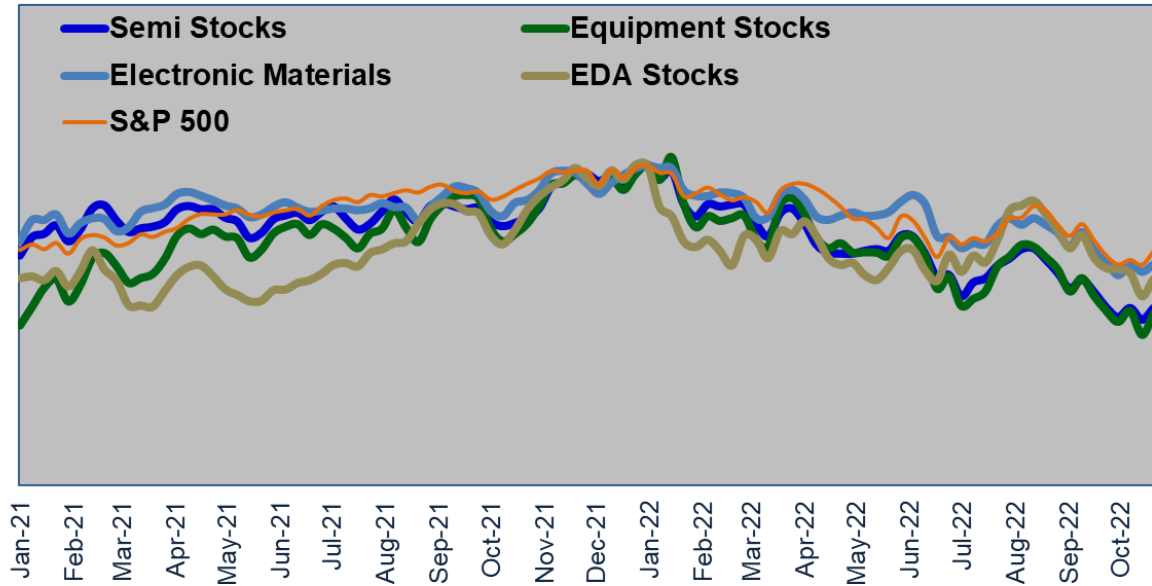
semiStockWEEK:

Three of TechInsights' Semiconductor Stock Indices and the S&P 500 rose this week while EDA Stock Index slipped.



Semiconductor Industry Stock Performance Indices

(Stock Prices Indexed to 100 in last week of 2021)



TechInsights' Stock Indices:

Semiconductors +1.8%
Equipment +4.3%
Electronic Materials +2.5%
EDA -0.5%

Semiconductor Stocks:

Weekly Growth and Forward P/E Ratios by Company

Weekly Gains			10/28/2022		
Semiconductor Stocks	Price Change	Forward P/E	Semiconductor Stocks	Price Change	Forward P/E
IDM			Fab-lite to Fabless		
Intel	7.8%	11	AMD	5.4%	15
Micron	-3.6%	14	Analog Devices	-1.2%	15
ON Semiconductor	2.7%	13	Broadcom	5.2%	11
Samsung Electronics	2.5%	–	IBM	6.6%	13
SK hynix	-7.8%		Infineon	1.4%	12
STMicroelectronics	-3.9%	8	MagnaChip Semiconductor	3.1%	13
Western Digital	1.8%	7	MaxLinear	1.3%	7
			MediaTek	-0.4%	–
Foundry & OSAT					
Amkor	7.3%	6	NVIDIA	11.0%	28
ASE	4.3%	6	Panasonic	1.4%	10
GLOBALFOUNDRIES	3.6%	23	Qualcomm	3.0%	9
JCET	6.2%	13	Silicon Laboratories	-5.0%	26
SkyWater Technology	11.5%	–	Skyworks	4.7%	7
SMIC	0.8%	10	Texas Instruments	1.0%	18
TSMC	-2.7%	13			
UMC	-3.5%	7			

Above Avg

Top 4-6

Top 1-3

TechInsights' Semiconductor Stock Index was led up by SkyWater Technology who was this week's biggest winner. NVIDIA also being a top performer claiming a top stock spot this week.

IDM -0.1%
Foundry & OSAT +3.4%
Fabless & Fablite +2.7%

AMD^{AMD} Analog Devices^{ADI} Amkor^{AMKR} ASE^{ASE}
ASX^{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}

Chip Equipment & Related Stocks:

Weekly Growth and Forward P/E Ratios by Company

TechInsights' Semiconductor Equipment Stock Index was led up by KLA whose quarter results reported at the high-end of guidance. Lam Research, Applied Materials, and Advantest followed .

WFE +4.1%

Test -2.9%

Assembly +2.5%

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

Weekly Gains			10/28/2022		
Equipment Stocks	Price Change	Forward P/E	Equipment Stocks	Price Change	Forward P/E
Wafer Fab:			Test:		
Applied Materials	8.9%	12	Advantest	8.0%	–
ASM International	-8.4%	21	Teradyne	7.9%	16
ASML	5.8%	23	FormFactor	-24.7%	15
KLA	10.6%	14			
Lam Research	9.8%	13	Assembly:		
Onto Innovation	6.1%	–	BESI	6.4%	–
Nikon	1.8%	–	Kulicke & Soffa	4.3%	11
TEL	1.5%	–	ASM Pacific Technology	-3.2%	
Veeco Instruments	0.4%	11			

Above Avg

Top 4-6

Top 1-3

Electronic Materials Stocks:

Weekly Growth and Forward P/E Ratios by Company

Weekly Gains			10/28/2022		
EDA & Electronic Materials Stocks	Price Change	Forward P/E	EDA & Electronic Materials Stocks	Price Change	Forward P/E
EDA			DNP	0.3%	—
Cadence	-4.3%	34	DuPont de Nemours	3.6%	5
Synopsys	-0.2%	30	JSR	2.4%	—
Ansys	3.1%	25	Shin-Etsu	3.4%	—
Electronic Materials			SOITEC	3.6%	—
BASF	0.3%	2	Tokyo Ohka	1.8%	—
Entegris	4.7%	17			
			Above Avg	Top 4-6	Top 1-3

TechInsights' EDA Stock Index slipped.

TechInsights' Electronic Materials Stock Index was led up by Entegris, DuPont de Nemours, SOITEC, Shin-Etsu, and JSR.

Ansys, Inc. ^{ANSS} BASF ^{BASFY}
 Entegris ^{ENTG} Cadence ^{CDNS} DNP ⁷⁹¹²
 DuPont ^{DD} JSR ⁴¹⁸⁵ Shin-Etsu ⁴⁰⁶³
 SOITEC ^{SOI.PA} Synopsys ^{SNPS} Tokyo
 Ohka ⁴¹⁸⁶

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							
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%
10-Jun-22	77.8	77.3	90.3	73.8	-5.2%	-5.7%	-2.5%	-6.5%	6	9.7%	-49	-11.9%	21.6%	81.8	-5.1%
17-Jun-22	72.0	69.1	82.3	71.2	-7.5%	-10.6%	-8.9%	-3.6%	2	4.0%	-53	-17.3%	21.3%	77.1	-5.8%
24-Jun-22	72.5	72.1	82.0	77.8	0.8%	4.3%	-0.3%	9.3%	41	12.8%	-14	-19.4%	32.2%	82.1	6.4%
01-Jul-22	67.2	64.9	79.3	73.5	-7.3%	-10.1%	-3.3%	-5.6%	3	6.1%	-52	-20.1%	26.2%	80.3	-2.2%
08-Jul-22	70.7	66.6	80.5	77.5	5.2%	2.7%	1.5%	5.5%	47	20.5%	-7	-4.8%	25.3%	81.8	1.9%
15-Jul-22	71.7	68.5	80.3	75.8	1.4%	2.8%	-0.2%	-2.2%	32	10.1%	-21	-9.1%	19.2%	81.1	-0.9%
22-Jul-22	74.9	74.7	84.9	81.5	4.4%	9.1%	5.7%	7.5%	52	66.7%	-3	-8.3%	75.0%	83.1	2.5%
29-Jul-22	76.6	77.2	86.7	88.8	2.4%	3.3%	2.2%	9.0%	39	12.4%	-16	-9.9%	22.3%	86.7	4.3%
05-Aug-22	79.0	80.1	85.1	90.1	3.1%	3.8%	-1.9%	1.5%	47	33.8%	-8	-17.1%	50.9%	87.0	0.4%
12-Aug-22	79.2	79.6	86.8	91.2	0.3%	-0.6%	1.9%	1.3%	33	22.3%	-22	-17.4%	39.7%	89.8	3.3%
19-Aug-22	76.4	77.0	85.1	88.0	-3.6%	-3.3%	-1.9%	-3.6%	9	17.4%	-46	-8.1%	25.5%	88.7	-1.2%
26-Aug-22	73.1	74.0	83.1	83.9	-4.3%	-3.9%	-2.3%	-4.7%	2	1.1%	-53	-17.8%	18.9%	85.1	-4.0%
02-Sep-22	69.2	68.4	79.6	79.4	-5.4%	-7.5%	-4.1%	-5.4%	1	2.1%	-54	-16.1%	18.2%	82.3	-3.3%
09-Sep-22	71.4	71.8	83.3	82.7	3.2%	4.9%	4.6%	4.2%	50	13.1%	-5	-9.5%	22.6%	85.3	3.6%
16-Sep-22	68.3	67.3	78.8	77.0	-4.3%	-6.2%	-5.4%	-6.9%	4	2.3%	-50	-24.2%	26.5%	81.3	-4.8%
23-Sep-22	64.5	63.7	76.0	74.4	-5.5%	-5.5%	-3.5%	-3.4%	3	1.6%	-52	-15.8%	17.4%	77.5	-4.6%
30-Sep-22	62.0	60.8	72.5	74.1	-3.9%	-4.4%	-4.7%	-0.4%	5	4.7%	-49	-11.7%	16.4%	75.2	-2.9%
07-Oct-22	64.3	63.6	75.3	73.2	3.7%	4.6%	3.9%	-1.3%	46	9.8%	-7	-7.8%	17.6%	76.4	1.5%
14-Oct-22	61.4	57.6	73.3	67.4	-4.6%	-9.5%	-2.6%	-7.9%	8	5.8%	-47	-16.1%	21.9%	75.2	-1.6%
21-Oct-22	64.4	63.1	75.3	71.8	4.9%	9.6%	2.8%	6.5%	45	21.9%	-10	-5.2%	27.1%	78.7	4.7%
28-Oct-22	65.6	65.8	77.2	71.4	1.8%	4.3%	2.5%	-0.5%	42	11.5%	-13	-24.7%	36.2%	81.8	4.0%

Links to Conference Call Transcripts

October 28th

[STMicroelectronics N.V. \(STM\) Q3 2022 Earnings Call Transcript](#)

[Advantest Corporation \(ATEYY\) Q2 2022 Earnings Call Transcript](#)

[Onto Innovation Inc. \(ONTO\) Q3 2022 Earnings Call Transcript](#)

[Cohu, Inc. \(COHU\) Q3 2022 Earnings Call Transcript](#)

[Intel Corporation \(INTC\) Q3 2022 Earnings Call Transcript](#)

[ASE Technology Holding Co., Ltd. \(ASX\) Q3 2022 Earnings Call Transcript](#)

[Western Digital Corporation \(WDC\) Q1 2023 Earnings Call Transcript](#)

[Samsung Electronics Co., Ltd. \(SSNLF\) Q3 2022 Results - Earnings Call Transcript](#)

[FormFactor, Inc. \(FORM\) Q3 2022 Earnings Call Transcript](#)

[KLA Corporation \(KLAC\) Q1 2023 Earnings Call Transcript](#)

[Teradyne, Inc. \(TER\) Q3 2022 Earnings Call Transcript](#)

[MaxLinear, Inc. \(MXL\) Q3 2022 Earnings Call Transcript](#)

[Texas Instruments Incorporated \(TXN\) Q3 2022 Earnings Call Transcript](#)

October 21st and before

[BE Semiconductor Industries N.V. \(BESLY\) Q3 2022 Earnings Call Transcript](#)

[Lam Research Corporation \(LRCX\) Q1 2023 Earnings Call Transcript](#)

Links to Conference Call Transcripts

[Taiwan Semiconductor Manufacturing Company Limited \(TSM\) Q3 2022 Earnings Call Transcript](#)

[Aehr Test Systems \(AEHR\) Q1 2023 Earnings Call Transcript](#)

[Micron Technology, Inc. \(MU\) Q4 2022 Earnings Call Transcript](#)

[Analog Devices Inc. \(ADI\) 13th Annual U.S. All Stars Conference \(Transcript\)](#)

[Advanced Micro Devices, Inc. \(AMD\) Goldman Sachs Communacopia + Technology Conference \(Transcript\)](#)

[QUALCOMM Incorporated \(QCOM\) Goldman Sachs 2022 Communacopia + Technology Conference \(Transcript\)](#)

[NVIDIA Corporation \(NVDA\) Presents at Goldman Sachs 2022 Communacopia + Technology Conference \(Transcript\)](#)

[NXP Semiconductors N.V. \(NXPI\) Goldman Sachs 2022 Communacopia + Technology Conference \(Transcript\)](#)

[Western Digital Corporation \(WDC\) Goldman Sachs Communacopia + Technology Conference Transcript](#)

[Applied Materials, Inc. \(AMAT\) Presents at Goldman Sachs Communacopia + Technology Conference \(Transcript\)](#)

[Western Digital Corporation \(WDC\) Presents at Evercore ISI 2nd Annual TMT Conference \(Transcript\)](#)

[ON Semiconductor Corporation \(ON\) Presents at Citi 2022 Global Technology Conference \(Transcript\)](#)

[ASML Holding NV \(ASML\) Citi 2022 Global Technology Conference \(Transcript\)](#)

[International Business Machines Corporation \(IBM\) Evercore ISI 2nd Annual Technology, Media & Telcom Conference 2022 Call Transcript](#)

[Analog Devices Inc. \(ADI\) 2022 Evercore ISI 2nd Annual Technology, Media & Telcom Conference \(Transcript\)](#)

[Applied Materials, Inc. \(AMAT\) Presents at Citi 2022 Global Technology Conference \(Transcript\)](#)

[Western Digital Corporation \(WDC\) Citi 2022 Global Technology Conference](#)

[NXP Semiconductors N.V. \(NXPI\) Presents at 2022 Citi's 2022 Global Technology Conference \(Transcript\)](#)

Links to Conference Call Transcripts

[Lam Research Corporation \(LRCX\) Management Presents at Evercore ISI 2nd Annual Technology, Media & Telecom Conference 2022 \(Transcript\)](#)

[Texas Instruments \(TXN\) Presents at Citigroup 2022 Global Technology Conference - Conference Call Transcript](#)

[Broadcom Inc. \(AVGO\) Q3 2022 Earnings Call Transcript](#)

[Micron Technology, Inc. \(MU\) Presents at Deutsche Bank 2022 Technology Conference \(Transcript\)](#)

[ON Semiconductor Corporation \(ON\) Deutsche Bank 2022 Technology Conference \(Transcript\)](#)

[Intel Corp \(INTC\) Deutsche Bank Technology Conference Transcript](#)

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