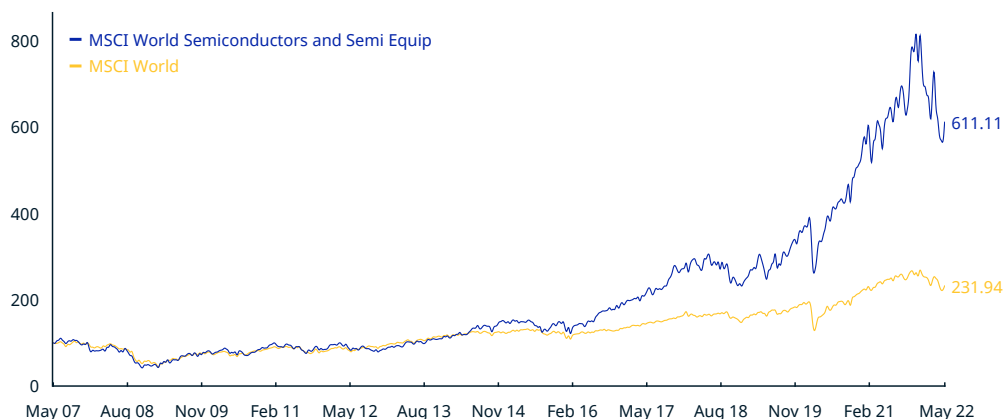


# MSCI World Semiconductors and Semiconductor Equipment Index (USD)

The MSCI World Semiconductors and Semiconductor Equipment Index is composed of large and mid-cap stocks across 23 Developed Markets (DM) countries\*. All securities in the index are classified in the Semiconductors and Semiconductor Equipment Industry Group (within the Information Technology sector) according to the Global Industry Classification Standard (GICS®).

## CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (MAY 2007 – MAY 2022)



## ANNUAL PERFORMANCE (%)

Year	MSCI World Semiconductors and Semi Equip	MSCI World
2021	51.98	21.82
2020	46.70	15.90
2019	54.54	27.67
2018	-12.85	-8.71
2017	40.38	22.40
2016	30.45	7.51
2015	-2.80	-0.87
2014	28.48	4.94
2013	36.47	26.68
2012	0.31	15.83
2011	-4.06	-5.54
2010	10.34	11.76
2009	61.79	29.99
2008	-49.61	-40.71

## INDEX PERFORMANCE – NET RETURNS (%) (MAY 31, 2022)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Dec 29, 2000	Div Yld (%)	P/E	P/E Fwd	P/BV
					3 Yr	5 Yr	10 Yr						
MSCI World Semiconductors and Semi Equip	5.18	-11.22	0.36	-23.46	34.87	22.42	21.66	7.48	1.31	21.83	16.88	5.57	
MSCI World	0.08	-5.72	-4.82	-12.97	12.65	9.72	11.06	5.90	2.02	18.49	15.94	2.90	

## FUNDAMENTALS (MAY 31, 2022)

## INDEX RISK AND RETURN CHARACTERISTICS (MAY 31, 2022)

	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>			Since Dec 29, 2000	MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI World Semiconductors and Semi Equip	1.42	24.69	24.23	20.32	1.32	0.91	1.04	0.34	73.01	2001-01-30–2008-11-20
MSCI World	2.57	17.90	15.93	13.26	0.72	0.59	0.80	0.35	57.82	2007-10-31–2009-03-09

<sup>1</sup> Last 12 months

<sup>2</sup> Based on monthly net returns data

<sup>3</sup> Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M prior that date

\* DM countries include: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, the UK and the US.

The MSCI World Semiconductors and Semiconductor Equipment Index was launched on Sep 15, 1999. Data prior to the launch date is back-tested test (i.e. calculations of how the index might have performed over that time period had the index existed). There are frequently material differences between back-tested performance and actual results. Past performance – whether actual or back-tested – is no indication or guarantee of future performance.

**INDEX CHARACTERISTICS**

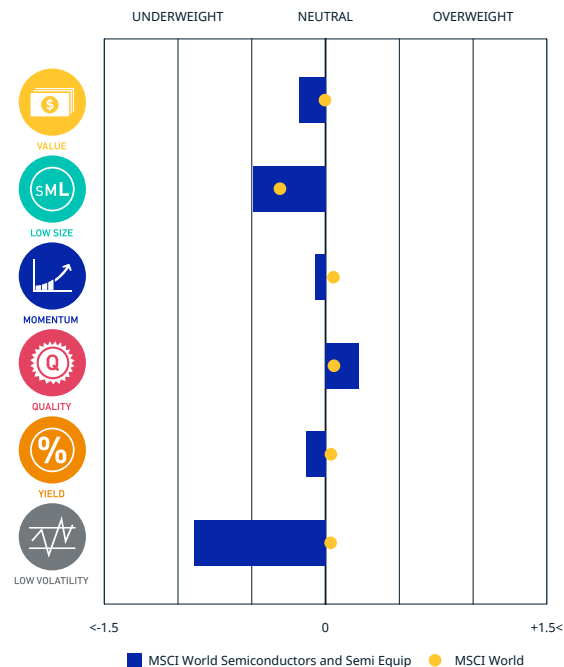
MSCI World Semiconductors and Semi Equip	
<b>Number of Constituents</b>	33
Mkt Cap (USD Millions)	
<b>Index</b>	2,518,828.65
<b>Largest</b>	466,800.00
<b>Smallest</b>	5,422.69
<b>Average</b>	76,328.14
<b>Median</b>	40,311.36

**TOP 10 CONSTITUENTS**

	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)
NVIDIA	US	466.80	18.53
BROADCOM	US	238.79	9.48
ASML HLDG	NL	237.33	9.42
INTEL CORP	US	180.66	7.17
ADVANCED MICRO DEVICES	US	166.52	6.61
TEXAS INSTRUMENTS	US	163.24	6.48
QUALCOMM	US	160.41	6.37
APPLIED MATERIALS	US	105.90	4.20
ANALOG DEVICES	US	90.33	3.59
MICRON TECHNOLOGY	US	82.60	3.28
<b>Total</b>		<b>1,892.58</b>	<b>75.14</b>

**FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN**

**MSCI FACTOR BOX**



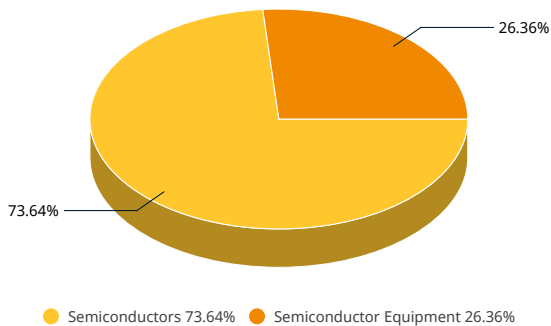
**MSCI FaCS**

- VALUE**  
Relatively Inexpensive Stocks
- LOW SIZE**  
Smaller Companies
- MOMENTUM**  
Rising Stocks
- QUALITY**  
Sound Balance Sheet Stocks
- YIELD**  
Cash Flow Paid Out
- LOW VOLATILITY**  
Lower Risk Stocks

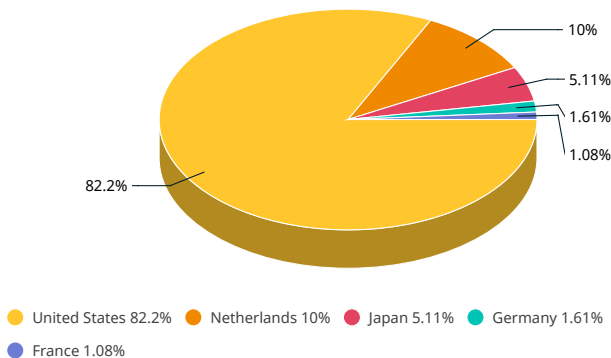
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

**SUB-INDUSTRY WEIGHTS**



**COUNTRY WEIGHTS**



## INDEX FRAMEWORK

The index is based on the [MSCI Global Investable Indexes \(GIMI\) Methodology](#) –a comprehensive and consistent approach to index construction that allows for meaningful global views and cross regional comparisons across all market capitalization size, sector and style segments and combinations. This methodology aims to provide exhaustive coverage of the relevant investment opportunity set with a strong emphasis on index liquidity, investability and replicability. The index is reviewed quarterly—in February, May, August and November—with the objective of reflecting change in the underlying equity markets in a timely manner, while limiting undue index turnover. During the May and November semi-annual index reviews, the index is rebalanced and the large and mid capitalization cutoff points are recalculated.

This summary is provided for illustrative purposes only and does not include all material elements of the index or its methodology. For a complete description of the index methodology, please see [Index methodology - MSCI](#).

## MSCI FACTOR BOX AND FaCS FRAMEWORK (Please refer to complete description of the MSCI FaCS methodology [here](#))

MSCI FaCS is a standard method for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

## ABOUT MSCI

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