

BlueStar[®] Machine Learning and Quantum Computing Index

The BlueStar[®] Machine Learning and Quantum Computing Index (BQTUM) tracks the performance of the largest and most liquid companies in the global quantum computing and machine learning industries. This is a modified market cap-weighted index, and only includes companies that generate at least 50% of their revenue from products and services related to quantum computing or machine learning, such as the development or use of quantum computers or computing chips, superconducting materials, applications built on quantum computers, embedded artificial intelligence chips, or software that specialize in the perception, collection, visualization, or management of big data.

Key Features

Size and Liquidity Requirements

Full MCap of at least 150 mln USD. Three months average-daily-trading volume of at least 1 mln USD at a review and also at the previous two reviews. At least 250,000 shares traded per month over the last six months at a review and also at the previous two reviews.

Universe

Companies have to offer products or services related to quantum computing or machine learning technology.

Diversification

Companies are equally weighted.

Review

Semi-annual in June and December.



Index 557.13/87.19 557.13/371.80

Index Data

INDEX PARAMETERS

Launch Date	07 Jun 2018	Components	70
Type	Sector	Volatility (250 days)	19.74
Currency	USD	Full MCap bn USD	12,030.78
Base Date	18 Dec 2015	Float MCap bn USD	9,826.69
Base Value	100.00	Correlation* (250 days)	0.24

* Indxx Global Robotics & Artificial Intelligence Thematic

FUNDAMENTALS*

Price/Earnings Trailing	76.08
Price/Book	3.32
Price/Sales	2.65
Price/Cash Flow	13.87
Dividend Yield	1.23

* as of 31 Jul 2024

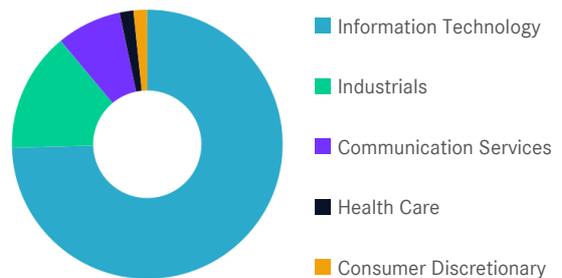
ANNUALISED PERFORMANCE*

1 Month	2.37%
1 Year	21.79%
3 Years	4.53%
5 Years	17.72%
7 Years	20.36%

* Total Return Net Index

Sector Weightings

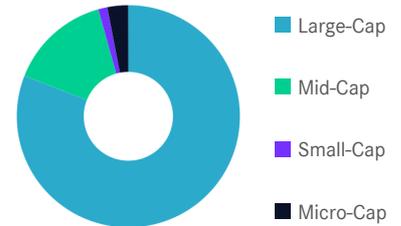
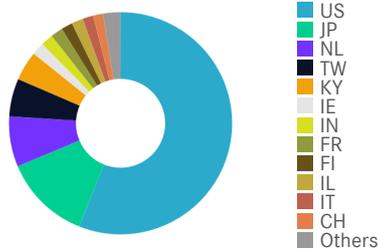
Sector	Count	Weight
Information Technology	54	74.61%
Industrials	9	14.34%
Communication Services	5	7.77%
Health Care	1	1.65%
Consumer Discretionary	1	1.63%



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Country and Size Weightings

Country	Count	Weight
United States	40	56.06%
Japan	8	12.61%
Netherlands	6	7.32%
Taiwan	4	5.53%
Cayman Islands	3	4.28%
Ireland	1	1.84%
India	1	1.77%
France	1	1.77%
Finland	1	1.66%
Israel	1	1.65%
Italy	1	1.55%
Switzerland	1	1.44%
Others	2	2.51%



Size	Count	Weight
Large-Cap (> 6 bn)	56	80.95%
Mid-Cap (1.5 bn - 6 bn)	11	14.70%
Small-Cap (0.2 bn - 1.5 bn)	1	1.32%
Micro-Cap (0.0 bn - 0.2 bn)	2	3.03%

Index Components

Top Components by Weight	Country	Weight	Best Performing Components	YTD	1 Day
FUJITSU LTD ORD	JP	1.98%	MICROSTRATEGY INC-CL A	123.98%	8.18%
INTERNATIONAL BUSINESS MACHINES CORP	US	1.91%	IONQ INC	-37.37%	5.15%
LOCKHEED MARTIN CORP	US	1.87%	SYNAPTICS INC	-34.63%	4.72%
ACCENTURE PLC-CL A	IE	1.84%	MICRON TECHNOLOGY INC	7.09%	4.60%
NORTHROP GRUMMAN CORP	US	1.83%	RIGETTI COMPUTING INC	-13.43%	3.95%
WIPRO LTD-ADR	IN	1.77%			
ORANGE S.A.	FR	1.77%			
NEC CORP ORD	JP	1.75%			
NTT DATA GROUP CO	JP	1.73%			
ASUSTEK COMPUTER INC	TW	1.72%			
RTX CORPORATION	US	1.68%			
HITACHI LTD	JP	1.68%			
Subtotal		21.52%			
			Worst Performing Components	YTD	1 Day
			ALCHIP TECHNOLOGIES LTD	-29.99%	-2.32%
			MEDIATEK	11.48%	-2.25%
			GLOBAL UNICHIP CORP	-42.19%	-1.53%
			NEC CORP ORD	56.30%	-1.15%
			ALIBABA GROUP HOLDING-SP ADR	11.63%	-0.94%

Symbols

	Symbol	ISIN	WKN	Sedol	Bloomberg	Reuters	Telekurs
Price Return	BQTUM	DE000SL0FUQ7	SL0FUQ	BQ0GS05	BQTUM	.BQTUM	118655363
Total Return Net	BQTUMNTR	DE000SL0FUR5	SL0FUR	BQ0GS16	BQTUMNTR	.BQTUMNTR	118655364
Total Return Gross	BQTUMTR	DE000SLA5JF2	SLA5JF	BMGR4X9	BQTUMTR	.BQTUMTR	42196303

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