

# BlueStar<sup>®</sup> Machine Learning and Quantum Computing Index

The BlueStar<sup>®</sup> 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

<b>Launch Date</b>	07 Jun 2018	<b>Components</b>	70
<b>Type</b>	Sector	<b>Volatility</b> (250 days)	19.73
<b>Currency</b>	USD	<b>Full MCap</b> bn USD	11,108.05
<b>Base Date</b>	18 Dec 2015	<b>Float MCap</b> bn USD	9,067.48
<b>Base Value</b>	100.00	<b>Correlation*</b> (250 days)	0.24

\* Indxx Global Robotics & Artificial Intelligence Thematic

### FUNDAMENTALS\*

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

\* as of 31 Jul 2024

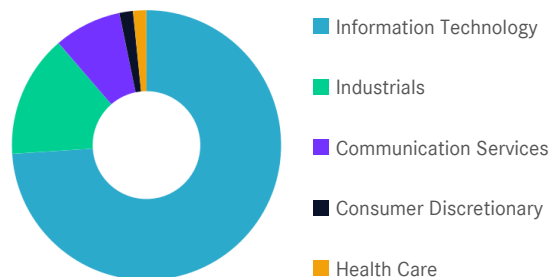
### ANNUALISED PERFORMANCE\*

<b>1 Month</b>	2.88%
<b>1 Year</b>	13.08%
<b>3 Years</b>	2.82%
<b>5 Years</b>	17.18%
<b>7 Years</b>	19.76%

\* Total Return Net Index

## Sector Weightings

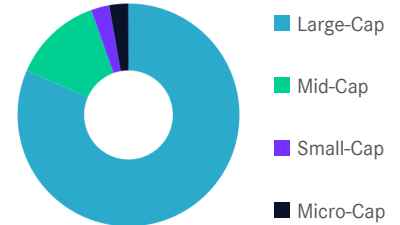
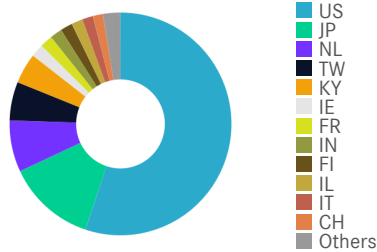
Sector	Count	Weight
Information Technology	54	73.98%
Industrials	9	14.69%
Communication Services	5	8.10%
Consumer Discretionary	1	1.64%
Health Care	1	1.59%



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## Country and Size Weightings

Country	Count	Weight
United States	40	55.14%
Japan	8	12.88%
Netherlands	6	7.48%
Taiwan	4	5.62%
Cayman Islands	3	4.41%
Ireland	1	1.88%
France	1	1.83%
India	1	1.77%
Finland	1	1.76%
Israel	1	1.64%
Italy	1	1.59%
Switzerland	1	1.46%
Others	2	2.54%



Size	Count	Weight
Large-Cap (> 6 bn)	56	81.55%
Mid-Cap (1.5 bn - 6 bn)	10	12.98%
Small-Cap (0.2 bn - 1.5 bn)	2	2.68%
Micro-Cap (0.0 bn - 0.2 bn)	2	2.79%

## Index Components

Top Components by Weight	Country	Weight	Best Performing Components	YTD	1 Day
FUJITSU LTD ORD	JP	1.99%	ALCHIP TECHNOLOGIES LTD	-28.69%	4.40%
LOCKHEED MARTIN CORP	US	1.95%	GLOBAL UNICHIP CORP	-43.16%	4.10%
NORTHROP GRUMMAN CORP	US	1.90%	MEDIATEK	13.75%	3.70%
ACCENTURE PLC-CL A	IE	1.88%	NTT DATA GROUP CO	15.77%	2.71%
INTERNATIONAL BUSINESS MACHINES CORP	US	1.87%	ASUSTEK COMPUTER INC	7.13%	1.69%
ORANGE S.A.	FR	1.83%			
NIPPON TELEGRAPH & TELEPHONE ORD	JP	1.81%			
WIPRO LTD-ADR	IN	1.77%			
ROYAL KPN NV	NL	1.76%			
NEC CORP ORD	JP	1.76%			
NOKIA CORP-SPON ADR	FI	1.76%			
ASUSTEK COMPUTER INC	TW	1.75%			
<b>Subtotal</b>		22.04%			
			Worst Performing Components	YTD	1 Day
			COHERENT CORP	57.45%	-7.70%
			RIGETTI COMPUTING INC	-23.48%	-5.80%
			ONTO INNOVATION INC	15.96%	-5.52%
			ASML HOLDING NV-NY REG SHS	-0.07%	-5.38%
			MARVELL TECHNOLOGY INC	10.06%	-5.28%

## Symbols

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

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