# BlueStar® Global Robotics & 3D Printing Index

The BlueStar® Global Robotics & 3D Printing Index (BRB3D) is a global index that tracks the performance of the largest and most liquid companies involved in the robotics, 3D printing, and computer aided design segments. This is a modified market cap-weighted index, which only includes companies that generate at least 50% of their revenue from robots or manufacturing automation, computer aided design software, or additive manufacturing systems or related materials and software.

Key Features

Index	307.42/100.00	230.62/164.46

Size and Liquidity Requirements

Full MCap of at least 500 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 generate at least 50% of their revenue from robotics, manufacturing automation equipment, 3D printing solutions, or computer-aided design software.

Diversification

Company weightings are capped at 8%.

Review

Semi-annual in June and December.

Index Data

INDEX PARAMETERS

Launch Date	12 Apr 2022
Type	Sector
Currency	USD
Base Date	30 Dec 2016
Base Value	100.00

Components	53
Volatility (250 days)	21.35
Full MCap bn USD	1,561.27
Float MCap bn USD	1,181.30
Correlation* (250 days)	0.27

* Indxx Global Robotics & Artificial Intelligence Thematic

FUNDAMENTALS*

Price/Earnings Trailing	-35.19
Price/Book	2.86
Price/Sales	3.28
Price/Cash Flow	25.96
Dividend Yield	0.68

* as of 31 Jul 2024

ANNUALISED PERFORMANCE*

1 Month	-2.04%
1 Year	-2.35%
3 Years	-12.59%
5 Years	5.00%
7 Years	8.45%

* Total Return Net Index

Sector Weightings

Sector	Count	Weight
Information Technology	37	77.66%
Industrials	14	19.60%
Consumer Discretionary	1	1.51%
Health Care	1	1.23%

- Information Technology
- Industrials
- Consumer Discretionary
- Health Care
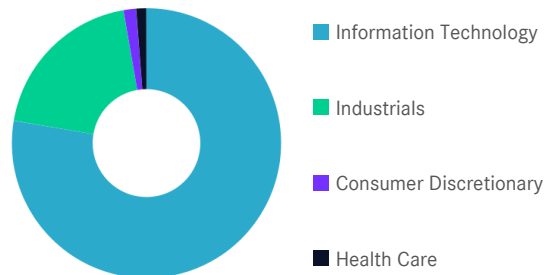
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Country and Size Weightings

Country	Count	Weight
United States	20	50.02%
Japan	14	13.19%
Netherlands	3	8.31%
Israel	4	7.14%
Germany	2	7.02%
France	1	6.33%
United Kingdom	1	4.77%
Sweden	1	1.23%
Cayman Islands	2	0.48%
Belgium	1	0.41%
Finland	1	0.38%
Austria	1	0.37%
Others	2	0.34%

Legend: US, JP, NL, IL, DE, FR, GB, SE, KY, BE, FI, AT, Others

Legend: Large-Cap, Mid-Cap, Small-Cap, Micro-Cap
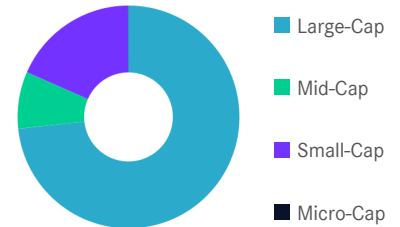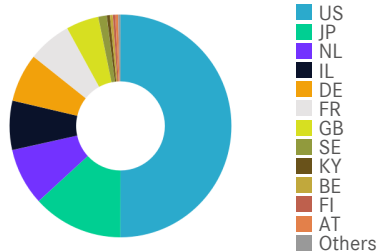
Size	Count	Weight
Large-Cap (> 6 bn)	32	73.31%
Mid-Cap (1.5 bn - 6 bn)	14	8.26%
Small-Cap (0.2 bn - 1.5 bn)	7	18.43%
Micro-Cap (0.0 bn - 0.2 bn)	0	0.00%

Index Components

Top Components by Weight	Country	Weight
AUTODESK INC	US	10.32%
ASML HOLDING NV-NY REG SHS	NL	6.65%
DASSAULT SYSTEMES SA	FR	6.33%
SIEMENS AG	DE	5.74%
APPLIED MATERIALS INC	US	5.05%
RENISHAW PLC	GB	4.77%
ANSYS INC	US	4.76%
PROTO LABS INC	US	4.61%
KEYENCE CORP ORD	JP	3.98%
LAM RESEARCH CORP	US	3.64%
KLA CORP	US	3.62%
STRATASYS LTD	IL	3.50%
Subtotal		62.97%

Best Performing Components	YTD	1 Day
SCREEN HOLDINGS CO LTD	-18.87%	2.46%
DASSAULT SYSTEMES SA	-23.26%	2.36%
BICO AB	-24.79%	1.69%
RENISHAW PLC	-3.99%	0.93%
AZBIL (YAMATAKE) CORP ORD	1.40%	0.88%

Worst Performing Components	YTD	1 Day
CAMTEK LTD	14.07%	-6.07%
ONTO INNOVATION INC	15.96%	-5.52%
ASML HOLDING NV-NY REG SHS	-0.07%	-5.38%
STRATASYS LTD	-56.86%	-4.64%
AMBARELLA INC	-15.08%	-3.77%

Symbols

	Symbol	ISIN	WKN	Sedol	Bloomberg	Reuters	Telekurs
Price Return	BRB3D	DE000SL0FTM8	SL0FTM	BNNMYV2	BRB3D	.BRB3D	118373761
Total Return Net	BRB3DNTR	DE000SL0FTN6	SL0FTN	BNNMYW3	BRB3DNTR	.BRB3DNTR	118373763
Total Return Gross	BRB3DTR	DE000SL0FTP1	SL0FTP	BNNMYX4	BRB3DTR	.BRB3DTR	118373764

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For further information visit www.marketvector.com