



**ROBO  
GLOBAL**

## The ROBO Global™ Robotics and Automation Index

ROBO Global™ INDICES

### Bloomberg Tickers

Price Return	ROBO
Total Return	ROBOTR

### Web

[www.roboglobal.com](http://www.roboglobal.com)

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214-272-2710

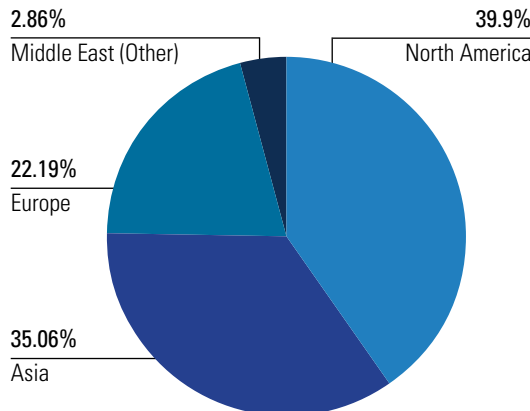
The ROBO Global™ Robotics and Automation Index measures the performance of companies focused on robotics, automation, and enabling technologies. The index is comprised of companies in the rapidly developing global robotics and automation industry, with headquarters in over 15 different countries around the world and listings on multiple foreign and domestic exchanges.

### Index Methodology

The index is maintained by a team of financial and robotics experts to ensure that it remains a leading indicator of the robotics and automation market. Index components are selected from a proprietary database of companies that derive all or a portion of revenues from robotics, automation and related technologies.

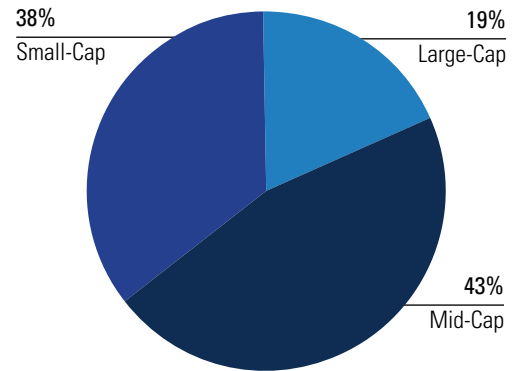
At the quarterly rebalance, the index is comprised of bellwether (40%) and non-bellwether (60%) stocks, with bellwether stocks having approximately double the weight of non-bellwether stocks. Bellwether stocks are companies which derive the majority of their revenues from robotics and automation or are a market share leader. Whereas non-bellwether stocks are securities that have a distinct segment of their business involved in robotics and automation that is expected to drive revenues higher as such products and/or services expand.

### Geographic Breakdown



### Market Capitalization Breakdown

Mean: \$6.73 Billion  
Median: \$2.33 Billion



Bellwether Companies	GICS ® Sector	Country	
ABB LTD	Industrials	SWITZERLAND	
ACCURAY INC	Health Care	UNITED STATES	
AEROVIRONMENT INC	Industrials	UNITED STATES	
COGNEX CORP	Information Technology	UNITED STATES	
CYBERDYNE	Health Care	JAPAN	
FANUC CORP	Industrials	JAPAN	
FARO TECHNOLOGIES INC	Information Technology	UNITED STATES	
HIWIN TECH CORP	Industrials	TAIWAN	
INTUITIVE SURGICAL INC	Health Care	UNITED STATES	
IROBOT CORP	Consumer Discretionary	UNITED STATES	
KEYENCE CORP	Information Technology	JAPAN	
KRONES AG	Industrials	GERMANY	
KUKA AG	Industrials	GERMANY	
LINCOLN ELECTRIC HLDGS INC	Industrials	UNITED STATES	
OCEANEERING INTERNATIONAL	Energy	UNITED STATES	
OMRON CORP	Information Technology	JAPAN	
NABTESCO	Industrials	JAPAN	
ROCKWELL AUTOMATION	Industrials	UNITED STATES	
YASKAWA ELEC CORP	Information Technology	JAPAN	
YUSHIN PRECSN EQPT	Industrials	JAPAN	



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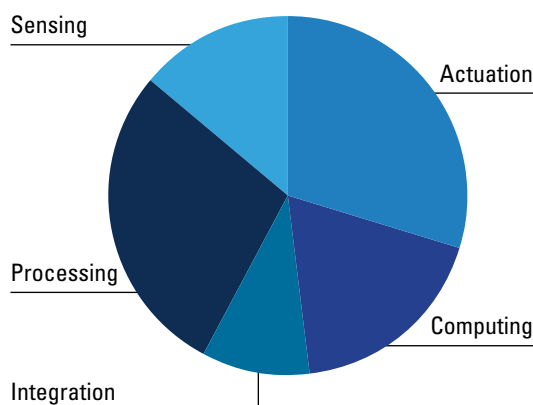
#### Index Classification

The Robo Global™ Robotics and Automation Index captures the entire value chain of robotics, automation, and enabling technologies. It consists of two primary tiers, Technologies and Applications, and 13 secondary tiers. The tiered classification system illustrates where each index holding fits into the robotics and automation "value chain."

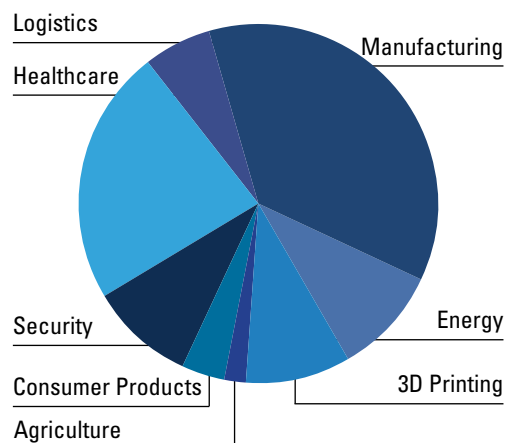
**Technologies** captures all index companies that manufacture or provide services related to any machinery, equipment, devices or sensors supporting a robot performing its task. It also includes those companies that provide key-enabling software and processing technologies used to advance the conversion to autonomous systems. Essentially, we are looking at the companies that enable robots to *sense, process and act*.

**Applications** highlights all index companies that incorporate multiple robotic and automation technologies into their product or manufacturing process to improve efficiency in traditional business lines as well as the development of entirely new business propositions.

#### Technologies: 48% of Holdings



#### Applications: 52% of Holdings

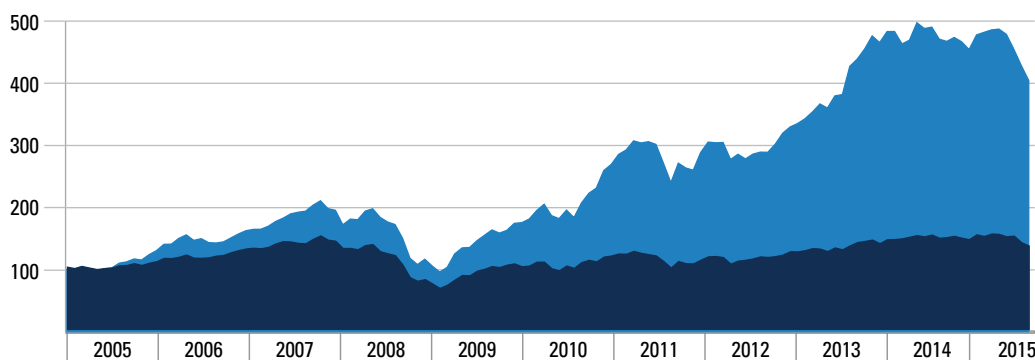


#### Index Performance

Total Returns		Portfolio Characteristics	
1 Month	-5.80%	Standard Deviation	11.12%
3 Month	-15.83%	Beta	1.02
1 Year	-15.14%	Current P/E	21.55
3 Year Annualized	10.51%	Forward P/E	17.98
5 Year Annualized	12.93%	Dividend	1.51%

#### 10 Year Historical Performance

■ MSCI ACWI Index Price Return ■ ROBO





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