



**VettaFi Humanoid Robot Select
Markets Index
VHUMS**

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Introduction

Index Objective

The VettaFi Humanoid Robot Select Markets Index tracks the performance of global companies that are driving the humanoid robotics industry. This includes developers of humanoid robots as well as providers of the essential components, semiconductors, and software systems that form the broader humanoid value chain.

Highlights

The Humanoid Robot sector is in an early yet rapidly accelerating phase. The humanoid robot ecosystem is defined by technological capability, capital commitment, and strategic positioning. VettaFi captures the drivers of this theme utilizing the ROBO Global Research Team and its proven process dating back to 2013; employing a holistic scoring framework that allows for a weighted analysis of a company's contribution to the humanoid value chain.

Dates

Reference Dates: Last day of the month prior to the reconstitution month.

Weight Date: The day prior to the second Friday of the rebalance month.

Reconstitution Dates: Index is reconstituted semiannually after the close of the third Friday of March, and September.

Rebalance Dates: Index is rebalanced at the time of reconstitution.

Supporting Documents

This methodology is meant to be read in conjunction with supporting documents providing greater detail with respect to the policies, procedures and calculations described herein.

The list of the main supplemental documents for this methodology can be found in the Methodologies and Governance tabs on the [Index Resources](#) page as follows:

Supporting Documents
Index Maintenance Policy
Index Governance
Index Policies
Methodology Policies
Glossary
Index Change and Consultation Policy

Eligibility Criteria and Index Construction

Universe

The universe identifies global companies with thematic relevance to the Humanoid Robotics theme via designated revenue and thematic relevance. Thematic relevance is determined by a three-step process that

- 1) Screens for companies relevant to humanoid robotics, including but not limited to, robotics, artificial intelligence & software, semiconductors, and sensors.
- 2) The identified list of companies is subjected to an AI-powered classification process to identify the companies engaged with the humanoid robotics sector.
- 3) Only companies confirmed to have direct relevance to the humanoid robotics industry through at least one of the following universe segments are included in the universe.

Universe Segments:

- **Humanoid Robot Developers:** Companies involved with creating robots designed to function and mimic human movement, information processing, and interaction.
- **Robot Parts:** Companies with technical expertise in precision movement, electrical interconnections, sensing and vision among others that create specialized components necessary for humanoid robot development.
- **Semiconductors:** This category encompasses companies specializing in semiconductors for humanoid robots. These semiconductors are vital for several core functions: training the necessary AI models, supporting the underlying hardware, managing robot locomotion, and enabling effective and efficient communication between various robot components.
- **Software Systems:** The scope includes companies focused on developing software for humanoid robots, such as artificial intelligence (AI) models and programs for robot training, including digital twin software.

Index Construction

Standardized Scoring Definitions

Companies are assigned scores based on a proprietary scoring system which assigns a score based on an assessment of their Technological and Market Maturity & Leadership, Strategic Capital Allocation, and Ecosystem Criticality. Scores are assigned from 1 to 5 with the following score definitions:

Score 5: Transformative Driver - Companies driving the primary innovation in the humanoid robot space.

Definition: The company is a primary developer of a full-stack humanoid platform or possesses a key grip on a critical supply chain component or software solution. Inclusion is based on Strategic Imperative. E.G. For large caps, this means the humanoid robot division is a headline priority for future growth.

Score 4: Integral Enabler (High Relevance) - Companies providing the essential building blocks of the humanoid robot industry.

Definition: The company has a dedicated business unit or product line specifically engaging with humanoid robot developers. Revenue exposure is tangible or rapidly expanding. Inclusion is based on Verified Supply Chain Participation. These companies have confirmed partnerships or product lines dedicated to the sector.

Score 3: Strategic Participant (Emerging) - Companies with significant potential or early-stage initiatives.

Definition: The company has announced intentions, holds patents, or invests in the humanoid robot space, but commercialization is in early stages. Inclusion is based on R&D Signaling, early traction in the supply chain component space, or other focus and commitments. These companies are often large technology or industrial firms pivoting resources toward humanoid robots.

Score 2: Tangential or Speculative Participant (Watchlist) - Companies with theoretical relevance or generic capabilities that lack specific, verified commitment to the humanoid robot form factor.

Definition: The company possesses technology (e.g., general industrial sensors, standard actuators, vacuum automation) that could theoretically apply to humanoid robots but is currently directed toward General Automation, Autonomous Mobile Robots (AMRs), or static industrial robotics. Alternatively, the company has announced high-level intent without a demonstrable prototype, capital commitment, or verified partnership.

Score 1: Distant or Unrelated (Excluded) - Companies with minimal to no current relevance to the humanoid robotics sector.

Definition: The company's technology or products are several degrees removed from the immediate needs of humanoid robot development. There is no verifiable signaling, investment, or pivot toward the specific humanoid robot form factor or its direct supply chain.

Constituent Selection

To be eligible for selection companies must be listed on designated major global exchanges (see appendix) and meet the following minimum requirements:

Full Market Capitalization: \$500 million

Free Float: 20%

Liquidity (3-Month ADTV): \$2 million

Trading: Minimum of 22 trading days over the last three months.

Companies are selected if they meet the score requirements of their universe segment. The Humanoid Robot Developers universe segment need a score of 4 or higher for selection and the Robot Parts, Semiconductors, and Software Systems universe segments need a score of 3 or higher for selection.

Constituent Weightings & Constraints

Constituents are score-weighted.

Index Maintenance

Rebalancing and Reconstitution

The Indexes are rebalanced on the “Rebalance Date” and additionally reconstituted on the “Reconstitution Date”. Pricing used in share weights used for reconstitutions are as of the “Weight Date”. Share weights for the rebalanced Indexes are computed as of the “Weight Date”. Changes to the Indexes related to the rebalances are as of the “Rebalance Date”.

Corporate Actions

Please refer to the Index Maintenance Policy document for information on Corporate Action processing.

Index Information

Index	Base Date	Price Index	Base Value	Total Return Index	Base Value	Net Total Return Index	Base Value
VettaFi Humanoid Robot Select Markets Index	6/20/16	VHUMS	1000	VHUMSG	1000	VHUMSN	1000

Methodology Updates and Changes

Date	Version	Previous	New
Mar 2026	1.0.0		Initial version.

Index Calculation

Please refer to the Index Maintenance Policy document for information on index calculations.

Index Governance

The index is governed and administered by a VettaFi Index Committee for the purpose of meeting the goals of the index. For more information, please refer to the Index Governance document.

Index Policies

Please refer to the Index Policies document for information regarding Announcements, Holiday Schedules, Unexpected Exchange Closures, and Recalculation Policy.

Contact Information

For any questions regarding an index, please contact: index.production@vettafi.com

Disclaimer

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Appendix

Eligible Exchanges:

MIC	Exchange	MIC	Exchange
BATS	CBOE BZX U.S. EQUITIES EXCHANGE	XLIS	EURONEXT - EURONEXT LISBON
FRAA	BOERSE FRANKFURT - REGULIERTER MARKT	XLON	LONDON STOCK EXCHANGE
FRAB	BOERSE FRANKFURT - FREIVERKEHR	XMAD	BOLSA DE MADRID
HAMA	BOERSE HAMBURG - REGULIERTER MARKT	XMCE	MERCADO CONTINUO ESPANOL - CONTINUOUS MARKET
MTAA	ELECTRONIC SHARE MARKET	XMIL	BORSA ITALIANA S.P.A.
OOTC	OTHER OTC	XNAS	NASDAQ - ALL MARKETS
ROCO	TAIPEI EXCHANGE	XNCM	NASDAQ CAPITAL MARKET
WBAH	WIENER BOERSE AG AMTLICHER HANDEL (OFFICIAL MARKET)	XNGS	NASDAQ/NGS (GLOBAL SELECT MARKET)
XAMS	EURONEXT - EURONEXT AMSTERDAM	XNMS	NASDAQ/NMS (GLOBAL MARKET)
XASE	NYSE MKT LLC	XNYS	NEW YORK STOCK EXCHANGE INC.
XASX	ASX - ALL MARKETS	XOSL	OSLO BORS ASA
XATH	ATHENS EXCHANGE S.A. CASH MARKET	XPAR	EURONEXT - EURONEXT PARIS
XBRU	EURONEXT - EURONEXT BRUSSELS	XPRM	PRAGUE STOCK EXCHANGE - MTF
XCNQ	CANADIAN NATIONAL STOCK EXCHANGE	XSES	SINGAPORE EXCHANGE
XCSE	NASDAQ COPENHAGEN A/S	XSTO	NASDAQ STOCKHOLM AB
XETR	XETRA	XSWX	SIX SWISS EXCHANGE
XFND	FIRST NORTH DENMARK	XTAI	TAIWAN STOCK EXCHANGE
XGEM	HONG KONG GROWTH ENTERPRISES MARKET	XTKS	TOKYO STOCK EXCHANGE
XHEL	NASDAQ HELSINKI LTD	XTSE	TORONTO STOCK EXCHANGE
XHKG	HONG KONG EXCHANGES AND CLEARING LTD	XTSX	TSX VENTURE EXCHANGE
XJAS	TOKYO STOCK EXCHANGE JASDAQ	XVTX	SIX SWISS EXCHANGE - BLUE CHIPS SEGMENT
XKRX	KOREA EXCHANGE (STOCK MARKET)	XWBO	WIENER BOERSE AG