

**ROBO GLOBAL<sup>®</sup> ROBOTICS AND AUTOMATION UCITS INDEX CONSTITUENTS**

TOTAL NUMBER OF CONSTITUENTS: 89

EFFECTIVE DATE: 03/31/2019

COMPANY NAME	TICKER	WEIGHT
HANS LASER TECHNOLOGY INDUSTRY GROUP CO LTD	002008 C2	0.25%
HANGZHOU HIKVISION DIGITAL TEC	002415 C2	0.41%
KOH YOUNG TECHNOLOGY INC	098460 KQ	1.48%
AIRTAC INTERNATIONAL GROUP	1590 TT	1.03%
HIWIN TECHNOLOGIES	2049 TT	1.58%
DELTA ELECTRONICS INC	2308 TT	1.03%
ADVANTECH CO LTD ORD	2395 TT	1.08%
SIASUN ROBOT & AUTOMATION-A	300024 C2	0.27%
SHENZHEN INOVANCE TECHNOLOGY C	300124 C2	0.24%
GLOBAL UNICHIP CORP	3443 TT	0.84%
TOSHIBA MACHINE CO LTD	6104 JT	0.74%
FUJI CORP	6134 JT	0.96%
NABTESCO CORP ORD	6268 JT	1.80%
SMC CORP ORD	6273 JT	1.08%
HARMONIC DRIVE SYSTEMS INC	6324 JT	1.78%
DAIFUKU CO LTD	6383 JT	1.78%
AMANO CORPORATION	6436 JT	1.11%
NACHI-FUJIKOSHI CORP ORD	6474 JT	1.01%
THK CO LTD ORD	6481 JT	0.98%
YUSHIN PRECISION EQUIPMENT	6482 JT	0.31%
MITSUBISHI ELECTRIC CORP	6503 JT	1.04%
YASKAWA ELECTRIC CORP ORD	6506 JT	1.82%
DAIHEN CORP	6622 JT	0.89%
OMRON CORP ORD	6645 JT	1.82%

<b>COMPANY NAME</b>	<b>TICKER</b>	<b>WEIGHT</b>
YOKOGAWA ELECTRIC CORP ORD	6841 JT	1.05%
KEYENCE CORP ORD	6861 JT	1.79%
OPTEX GROUP CO LTD	6914 JT	0.91%
FANUC CORP	6954 JT	1.71%
TOPCON CORP	7732 JT	0.85%
ABB LTD-REG	ABBN SE	0.95%
AUTODESK INC	ADSK UW	0.97%
AMBARELLA INC	AMBA UW	1.07%
APTIV PLC	APTV UN	0.94%
ATS AUTOMATION TOOLING SYSTEMS INC	ATA CT	1.03%
AEROVIRONMENT INC	AVAV UW	1.45%
BIOTELEMETRY INC	BEAT UW	0.85%
BROOKS AUTOMATION INC	BRKS UW	1.54%
CADENCE DESIGN SYSTEMS INC	CDNS UW	1.08%
CARGOTEC OYJ CLASS B	CGCBV FH	1.00%
COGNEX CORP	CGNX UW	1.57%
3D SYSTEMS CORP	DDD UN	0.88%
DEERE & CO	DE UN	0.97%
DASSAULT SYSTEMES SA	DSY FP	1.00%
DUERR AG	DUE GY	0.94%
ELEKTA AB	EKTAB SS	1.05%
FARO TECHNOLOGIES INC	FARO UW	1.36%
FLIR SYSTEMS INC	FLIR UW	1.56%
GEA GROUP AKTIENGESELLSCHAFT	G1A GY	1.06%
GLOBUS MEDICAL INC	GMED UN	1.01%
HEXAGON AB CLASS B	HEXAB SS	0.98%
HOLLYSYS AUTOMATION TECHNOLO	HOLI UW	1.57%
ILLUMINA INC	ILMN UW	0.96%

<b>COMPANY NAME</b>	<b>TICKER</b>	<b>WEIGHT</b>
IPG PHOTONICS CORP	IPGP UW	1.63%
IROBOT CORP	IRBT UW	1.53%
ISRA VISION AG	ISR GY	0.90%
INTUITIVE SURGICAL INC	ISRG UW	1.72%
JOHN BEAN TECHNOLOGIES CORP	JBT UN	0.97%
JENOPTIK AG	JEN GY	1.00%
KARDEX AG-REG	KARN SE	1.50%
KION GROUP AG	KGX GY	0.90%
KRONES AG	KRN GY	1.70%
LINCOLN ELECTRIC HOLDINGS	LECO UW	0.96%
MANHATTAN ASSOCIATES INC	MANH UW	1.00%
MICROCHIP TECHNOLOGY INC	MCHP UW	0.93%
MATERIALISE NV	MTLS UW	0.83%
NATIONAL INSTRUMENTS CORP	NATI UW	0.94%
NORDSON CORP	NDSN UW	0.97%
NOVANTA INC	NOVT UW	1.03%
NUANCE COMMUNICATIONS INC	NUAN UW	1.00%
NVIDIA CORP	NVDA UW	1.93%
OCADO GROUP PLC	OCDO LN	1.28%
OCEANEERING INTL INC	OII UN	1.72%
BLUE PRISM GROUP PLC	PRSM LN	1.06%
PARAMETRIC TECHNOLOGY CORP	PTC UW	0.98%
QUALCOMM INC	QCOM UW	1.04%
QIAGEN NV	QGEN UN	1.03%
RAVEN INDUSTRIES INC	RAVN UW	0.95%
ROCKWELL AUTOMATION INC	ROK UN	1.66%
RENISHAW PLC	RSW LN	0.84%

<b>COMPANY NAME</b>	<b>TICKER</b>	<b>WEIGHT</b>
SIEMENS AG	SIE GY	0.97%
STRATASYS LTD	SSYS UW	0.88%
SCHNEIDER ELECTRIC SE	SU FP	0.99%
TELEDYNE TECHNOLOGIES INC	TDY UN	1.00%
TECAN GROUP AG-REG	TECN SE	1.01%
TERADYNE INC	TER UW	0.96%
TRIMBLE INC	TRMB UW	0.99%
VARIAN MEDICAL SYSTEMS INC	VAR UN	1.03%
XILINX INC	XLNX UW	0.99%
ZEBRA TECHNOLOGIES CORP	ZBRA UW	1.75%

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