

ROBO GLOBAL[®] ROBOTICS AND AUTOMATION UCITS INDEX CONSTITUENTS

TOTAL NUMBER OF CONSTITUENTS: 90

EFFECTIVE DATE: 09/30/2019

COMPANY NAME	TICKER	WEIGHT
HANS LASER TECHNOLOGY IN-A	002008 C2	0.24%
IFLYTEK CO LTD - A	002230 C2	0.33%
HANGZHOU HIKVISION DIGITAL TEC	002415 C2	0.35%
KOH YOUNG TECHNOLOGY INC	098460 KQ	1.63%
AIRTAC INTERNATIONAL GROUP	1590 TT	1.10%
HIWIN TECHNOLOGIES	2049 TT	1.58%
DELTA ELECTRONICS INC	2308 TT	0.87%
ADVANTECH CO LTD ORD	2395 TT	0.98%
SIASUN ROBOT & AUTOMATION-A	300024 C2	0.22%
SHENZHEN INOVANCE TECHNOLOGY C	300124 C2	0.24%
GLOBAL UNICHIP CORP	3443 TT	1.03%
TOSHIBA MACHINE CO LTD	6104 JT	0.87%
FUJI CORP	6134 JT	1.05%
NABTESCO CORP ORD	6268 JT	1.58%
SMC CORP ORD	6273 JT	1.05%
HARMONIC DRIVE SYSTEMS INC	6324 JT	1.58%
DAIFUKU CO LTD	6383 JT	1.67%
AMANO CORPORATION	6436 JT	0.99%
NACHI-FUJIKOSHI CORP ORD	6474 JT	1.05%
THK CO LTD ORD	6481 JT	1.03%
MITSUBISHI ELECTRIC CORP	6503 JT	1.04%
YASKAWA ELECTRIC CORP ORD	6506 JT	1.61%
DAIHEN CORP	6622 JT	1.00%
OMRON CORP ORD	6645 JT	1.60%

COMPANY NAME	TICKER	WEIGHT
YOKOGAWA ELECTRIC CORP ORD	6841 JT	0.98%
KEYENCE CORP ORD	6861 JT	1.60%
OPTEX GROUP CO LTD	6914 JT	0.97%
FANUC CORP	6954 JT	1.68%
TOPCON CORP	7732 JT	1.06%
ABB LTD-REG	ABBN SE	0.98%
AUTODESK INC	ADSK UW	0.96%
AMBARELLA INC	AMBA UW	0.98%
APTIV PLC	APTIV UN	0.96%
ATS AUTOMATION TOOLING SYSTEMS INC	ATA CT	0.95%
AEROVIRONMENT INC	AVAV UW	1.46%
BIOTELEMETRY INC	BEAT UW	1.01%
BROOKS AUTOMATION INC	BRKS UW	1.64%
CADENCE DESIGN SYSTEMS INC	CDNS UW	0.92%
CARGOTEC OYJ CLASS B	CGCBV FH	1.00%
COGNEX CORP	CGNX UW	1.61%
3D SYSTEMS CORP	DDD UN	1.07%
DEERE & CO	DE UN	1.05%
DASSAULT SYSTEMES SA	DSY FP	0.97%
DUERR AG	DUE GY	0.94%
ELEKTA AB	EKTAB SS	1.00%
FARO TECHNOLOGIES INC	FARO UW	1.48%
FLIR SYSTEMS INC	FLIR UW	1.60%
GEA GROUP AKTIENGESELLSCHAFT	G1A GY	0.95%
GLOBUS MEDICAL INC	GMED UN	1.00%
HEXAGON AB CLASS B	HEXAB SS	1.04%
HOLLYSYS AUTOMATION TECHNOLO	HOLI UW	1.56%

COMPANY NAME	TICKER	WEIGHT
ILLUMINA INC	ILMN UW	1.10%
IPG PHOTONICS CORP	IPGP UW	1.58%
IROBOT CORP	IRBT UW	1.54%
ISRA VISION AG	ISR GY	0.95%
INTUITIVE SURGICAL INC	ISRG UW	1.66%
JOHN BEAN TECHNOLOGIES CORP	JBT UN	0.92%
JENOPTIK AG	JEN GY	0.94%
KARDEX AG-REG	KARN SE	1.54%
KION GROUP AG	KGX GY	1.00%
KRONES AG	KRN GY	1.63%
MANHATTAN ASSOCIATES INC	MANH UW	0.95%
MICROCHIP TECHNOLOGY INC	MCHP UW	1.00%
MATERIALISE NV	MTLS UW	0.96%
NATIONAL INSTRUMENTS CORP	NATI UW	0.96%
NORDSON CORP	NDSN UW	1.03%
NOVANTA INC	NOVT UW	1.01%
SERVICENOW INC	NOW UN	0.94%
NUANCE COMMUNICATIONS INC	NUAN UW	0.91%
NVIDIA CORP	NVDA UW	1.51%
OCADO GROUP PLC	OCDO LN	0.94%
OMNICELL INC	OMCL UW	0.97%
BLUE PRISM GROUP PLC	PRSM LN	1.57%
PARAMETRIC TECHNOLOGY CORP	PTC UW	0.99%
QUALCOMM INC	QCOM UW	0.94%
QIAGEN NV	QGEN UN	0.94%
RAVEN INDUSTRIES INC	RAVN UW	1.03%
ROCKWELL AUTOMATION INC	ROK UN	1.59%

COMPANY NAME	TICKER	WEIGHT
RENISHAW PLC	RSW LN	0.98%
SIEMENS AG	SIE GY	1.02%
STRATASYS LTD	SSYS UW	0.86%
SCHNEIDER ELECTRIC SE	SU FP	1.00%
TELEDYNE TECHNOLOGIES INC	TDY UN	0.98%
TECAN GROUP AG-REG	TECN SE	0.95%
TERADYNE INC	TER UW	1.00%
TRIMBLE INC	TRMB UW	1.00%
VARIAN MEDICAL SYSTEMS INC	VAR UN	1.06%
VOCERA COMMUNICATIONS INC	VCRA UN	1.53%
XILINX INC	XLNX UW	0.88%
ZEBRA TECHNOLOGIES CORP	ZBRA UW	1.58%

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