



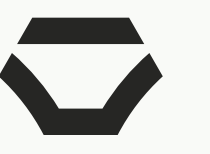
CORE

18 kg payload robot



USD

\$37,000



Performance	Power consumption	Depends on program and payload; range from 25W to 1500W
	Collaboration operation	Speed & force limiting per ISO/TS 15066, collision detection, and other safety functions
	Ambient temperature range	0-55°C
	Humidity	90%RH (non-condensing)
	Operation	Collaborative or high-speed non-collaborative
Specification	Payload capacity	18kg (39 lbs)
	Reach	1.3m (51.2 in)
	Max joint speed	435° /s
	Degrees of freedom	6
Physical	Footprint	Ø 200 mm
	Materials	Aluminum, steel, plastic
	Cable length, robot arm	2m (79 in)
	Weight, including cable	32.5 kg (71.6 lbs)
	IP classification	IP54
	Noise	Depends on program; typically less than 58dB
	Robot mounting	Floor mount ¹
Tooltip connector	Tool connector type	M8 8-pin female
	Compatibility	Electrical and mechanical compatibility with largest gripper ecosystems
	Native gripper support	Two-finger, three-finger, and suction grippers
	Tool I/O ports ²	Digital In: 2 Digital Out: 2 (Open-drain or push-pull, 1A) Analog In: 2 (24V tolerant) Analog Out: 0 RS-485 / UART max data rate: 10Mbps
	Tool power supply ²	12V/24V, 3A continuous max
Control box	IP classification	IP44
	IP class cleanroom	N/A
	Ambient temperature range	0-55° C
	I/O ports	Digital In: 16 (24V Tolerant) Digital Out: 16 (24V 0.7A Out continuous) 24V 0.7A (3A combined if using internal power) 24V 0.7A (12A combined with external power supply) Analog In: 4 (24V Tolerant)
	Communication ³	24V I/O TCP/IP Modbus TCP EthernetIP
	Power source	90 ~ 264VAC, 47-63Hz
	Humidity	90%RH (non-condensing)
	Control box size (WxHxD)	455 mm x 380 mm x 288 mm (17.9 in x 14.9 in x 11.3 in)
	Weight	20 kg (44 lbs)
	Materials	Powder coated steel
	Movement	Repeatability
Shoulder 1 & 2		Working range: ±360° Maximum speed: ±287°/sec
Elbow		Working range: ±360° Maximum speed: ±335°/sec
Wrist 1, 2 & 3		Working range: ±360° Maximum speed: ±435°/sec

1. Ceiling/wall mount enabled in software update.

2. Hardware supported. Software support coming later this year via software update.

3. More industrial protocols to be enabled via software update.