MVM 3

Performance

Repeatability	±0.1 mm / ±0.0039 in (4 mils)
Ambient temperature range	0-50° *
Power consumption	Min 90W, Typical 125W, Max 250W
Collaboration operation	15 advanced adjustable safety functions. TüV NORD Approved Safety Function Tested in accordance with: EN ISO 13849:2008 PL d

Specification

Payload	3 kg / 6.6 lbs
Reach	500 mm / 19.7 in
Degrees of freedom	6 rotating joints
Programming	Polyscope graphical user interface on 12 inch touchscreen with mounting

Movement

Axis movement robot arm	Working range	Maximum speed
Base	± 360°	± 180°/Sec.
Shoulder	± 360°	± 180°/Sec.
Elbow	± 360°	± 180°/Sec.
Wrist 1	± 360°	± 360°/Sec.
Wrist 2	± 360°	± 360°/Sec.
Wrist 3	Infinite	± 360°/Sec.
Typical tool		1 m/Sec. / 39.4 in/Sec.

Features

IP classification	IP64	
ISO Class Cleanroom	5	
Noise	70dB	
Robot mounting	Any	
I/O ports	Digital in	2
	Digital out	2
	Analog in	2
	Analog out	0
I/O power supply in tool	12 V/24 V 600 mA in tool	

Physical

Footprint	Ø 128mm
Materials	Aluminium, PP plastics
Tool connector type	M8
Cable length robot arm	6 m / 236 in
Weight with cable	11 kg /24.3 lbs

* The robot can work in a temperature range of 0-50°C. At high continuous joint speed, ambient temperature is reduced.

CONTROL BOX

Features

IP classification	IP20	
ISO Class Cleanroom	6	
Noise	<65dB(A)	
I/O ports	Digital in	16
	Digital out	16
	Analog in	2
	Analog out	2
I/O power supply	24V 2A	
Communication	TCP/IP 100Mbit, Modbus TCP, Profinet, EthernetIP	
Power source	100-240 VAC, 50-60 Hz	
Ambient temperature range	0-50°	

Physical

Control box size (WxHxD)	475mm x 423mm x 268mm / 18.7 x 16.7 x 10.6 in
Weight	15 kg / 33.1 lbs
Materials	Steel

TEACH PENDANT

Features

IP classification	IP20

Physical

Materials	Aluminium, PP
Weight	1,5 kg / 3.3 lbs
Cable length	4,5 m / 177 in