



ROBOTIC ARMS PULSE

Robotic Arms PULSE

PULSE by Rozum Robotics is a series of high-class cost-efficient manipulators intended for manufacturing enterprises of all sizes, makers and innovators, research institutions.

ARM MANIPULATOR

GENERAL

Payload	6 kg (PULSE 75) 4 kg (PULSE 90)
Degrees of freedom	6
Reach	750 mm (PULSE 75) 900 mm (PULSE 90)
Position repeatability	+/- 0.1 mm
Materials	Aluminum alloy
Ambient temperature	0 °C to +35 °C
Weight	12.6 kg (PULSE 75) 13.6 kg (PULSE 90)
Non-stop lifetime cycle	20 000 + hours
Safety	Conformity to collaborative operations requirements ISO 10218-1:2011 (E) ANSI RIA R15.06
Color	Ambient black
Warranty	1-year

FEATURES

Robot mounting	Table / Ceiling / Wall / Mobile Platform
Degree of protection	IP40
Noise level	Less than 60 dB
Servo controllers	Integrated
Power consumption	Stand-by mode 10W / 13W Average 150 W / 250 W Maximum 300 W / 450 W
End-effector mounting flange	ISO 9409-1-50-4-M6
Drives	Self-design high compact brushless servo drives (RDrive series)
Footprint	Ø 120 mm

PERFORMANCE

Max TCP Velocity	2 m/s
Acceleration time 0-1m/s	0.1 s

MOVEMENT

Axis movement	Working range	Maximum speed
Axis 1 (base)	-360° to 360°	180°/s
Axis 2	-360° to 360°	180°/s
Axis 3	-160° to 160°	180°/s
Axis 4	-360° to 360°	230°/s
Axis 5	-360° to 360°	230°/s
Axis 6	-360° to 360°	230°/s

Average lead time - 2-8 weeks.

Custom modifications are available on request.

Worldwide supplies. Direct sales by the manufacturer of local distributor supply.

SOFTWARE

Platform	Web Interface. Any device
Programming	Hand-guiding REST API
Compatibility	Manually/auto via Web

CONTROL BOX

Interfaces	4x Digital Configurable I/O Sockets 2x Digital Input Sockets 1x USB 1x Ethernet
API	Java/Python

Supply voltage	100 - 264 VAC
Mains frequency	47 - 63 Hz
Power connection	IEC 60320-1 C14
Protection rating	IP21
Noise Level	Less than 60 dB
Controller size	283 x 483 x 91 mm (D x W x H)
Weight	9 kg

SUPPLY KIT

- Robotic Arm PULSE
- Control Box
- Connection Cables set
- Mounting elements
- Software MAX Extended Package
- 1-year warranty



ROBOTICS

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