



Parallel Robot

D3P-3/600-200

The standard cycle time is less than 0.5s to meet the demand for maximum speed and minimum volume.

Special rotation axis hinge design easily meet the needs of high-intensity high-frequency repetitive motion.

Very suitable for high-speed and high-precision production operations in narrow spaces of 3C manufacturing and other industries, widely used for picking, packaging and handling of small workpieces

SPECIFICATIONS

Robot Version D3P-3/600-200

Axes. 3+1

Maximum Payload 3kg

Maximum Working Diameter 600 mm

Working Height 200 mm

Rotation Angle $\pm 360^\circ$

Mounting Inverted

Manipulator Weight 66 kg

Angle Range of Active Arm

Upper Arm 36.5°

Lower Arm 65.5°

Repeatability

Position Repeatability ± 0.05 mm

Angular Repeatability $\pm 0.1^\circ$

Max. Load Moment of Inertia 31×10^{-4} kg.m²

Power Requirements

Supply Voltage 220V/380V/3-Phase 220V/1-Phase 49-61 HZ

Rated Power 1.3 kW

Transformer rating 3kVA

Environment Requirements

Storage Temperature -10°C ~ 70°C

Working Temperature -10°C ~ 50°C

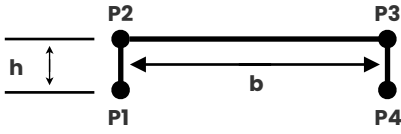
Humidity Range Max. 90%

Protection IP55





LOAD-FREQUENCY

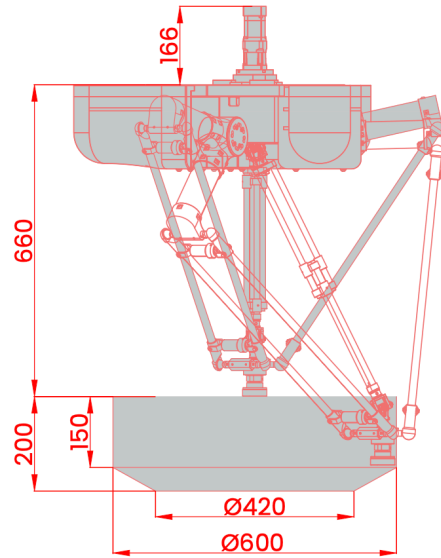


- Trajectory 1 h=25,b=305 P1 - P2 - P3 - P4 - P3 - P2 - P1
- Trajectory 2 h=25,b=305 P1 - P2 - P3 - P4 - P3 - P2 - P1
- Trajectory 3 h=25,b=305 P1 - P2 - P3 - P2 - P1
- Trajectory 4 h=25,b=305 P1 - P2 - P3 - P2 - P1

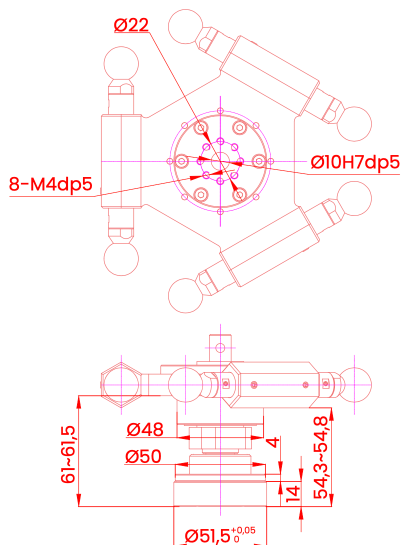
Cycles/min	0.00kg	0.50kg	1.00kg	1.50kg	2.00kg	2.50kg	3.00kg
Trajectory 1	143.00	130.00	104.00	91.00	84.50	78.00	52.00
Trajectory 2	123.50	104.00	91.00	78.00	65.00	58.50	45.50
Trajectory 3	171.60	156.00	124.80	109.20	101.40	93.60	62.40
Trajectory 4	139.56	117.52	102.83	88.14	73.45	66.11	51.42

The cycle times are measured under real conditions, but may vary depending on the actual application.

Dimensions & Range of Motion (mm)



Flange (mm)



Mounting Base (mm)

