



Parallel Robot

D3PM-15/1100-300

The standard cycle time is less than 0.6s to meet the demand for maximum load and economics.

Rotary servo motor is installed on moving platform to meet the requirements of high-precision rotary operation easily

Widely used in the food and beverage, pharmaceutical, electron, and healthcare industries of heavy workpieces for handling, sorting, measuring, assembling, inspecting, testing and other applications

SPECIFICATIONS

Robot Version D3PM-15/1100-300

Axes. 3+1

Maximum Payload 15kg

Maximum Working Diameter 1100 mm

Working Height 300 mm

Rotation Angle $\pm 360^\circ$

Mounting Inverted

Manipulator Weight 113 kg

Angle Range of Active Arm

Upper Arm 23.5°

Lower Arm 70°

Position Repeatability ± 0.05 mm

Angular Repeatability $\pm 0.025^\circ$

Max. Load Moment of Inertia $0.224\text{kg}\cdot\text{m}^2$

Power Requirements

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

Rated Power 6.2 kW

Transformer rating 10kVA

Environment Requirements

Storage Temperature $-10^\circ\text{C}\sim 70^\circ\text{C}$

Working Temperature $-10^\circ\text{C}\sim 50^\circ\text{C}$

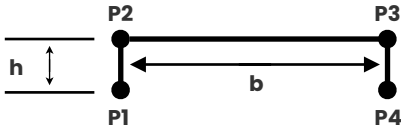
Humidity Range Max. 90%

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

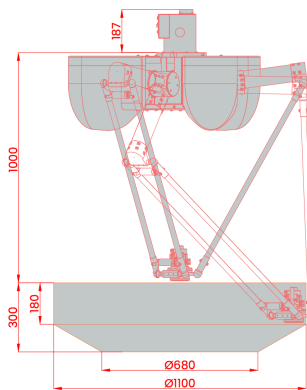
Trajectory 3 $h=25, b=305$ P1 - P2 - P3 - P2 - P1

Trajectory 4 $h=25, b=305$ P1 - P2 - P3 - P2 - P1

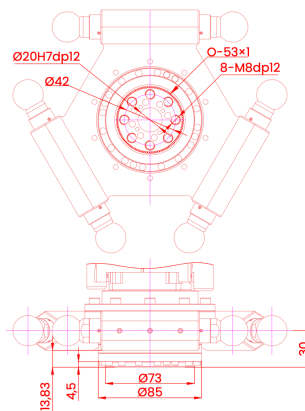
Cycles/min	0.00kg	1.00kg	2.00kg	3.00kg	4.00kg	5.00kg	6.00kg	7.00kg	8.00kg	10.00kg	12.00kg	15.00kg
Trajectory 1	117.00	117.00	104.00	97.50	78.00	78.00	58.50	45.5	45.5	45.5	39	39
Trajectory 2	104.00	104.00	91.00	84.50	71.50	65.00	52.00	39	39	39	32.5	32.5
Trajectory 3	134.55	134.55	119.60	112.13	89.70	89.70	67.28	52.325	52.325	52.325	44.85	44.85
Trajectory 4	114.40	114.40	100.10	92.95	78.65	71.50	57.20	42.9	42.9	42.9	35.75	35.75

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)

