



Parallel Robot

D3PM-25/2200-410

The standard cycle time is less than 0.67s 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-25/2200-410
Axes. 3+1
Maximum Payload 25kg
Maximum Working Diameter 2200 mm
Working Height 410 mm
Rotation Angle $\pm 360^\circ$

Mounting Inverted
Manipulator Weight 153 kg

Angle Range of Active Arm
Upper Arm 33.2°
Lower Arm 78.5°

Position Repeatability ± 0.05 mm
Angular Repeatability $\pm 0.05^\circ$
Max. Load Moment of Inertia $0.224\text{kg}\cdot\text{m}^2$

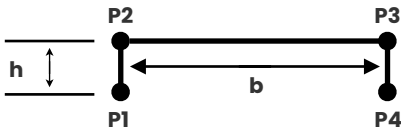
Power Requirements
Supply Voltage 220V/380V/3-Phase 220V/1-Phase 49-61 HZ
Rated Power 9.2 kW
Transformer rating 15kVA

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

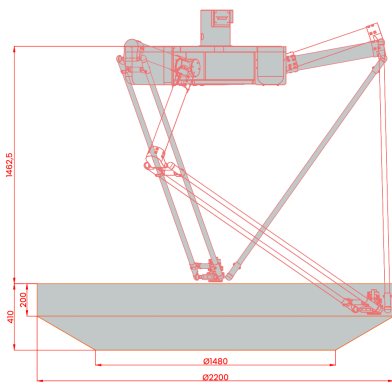


- Trajectory 1 h=25,b=305 P1 - P2 - P3 - P4 - P3 - P2 - P1
- Trajectory 2 h=25,b=305 P1 - P2 - P3 - P4 - P3 - P2 - P1
- Trajectory 3 h=25,b=305 P1 - P2 - P3 - P2 - P1
- Trajectory 4 h=25,b=305 P1 - P2 - P3 - P2 - P1

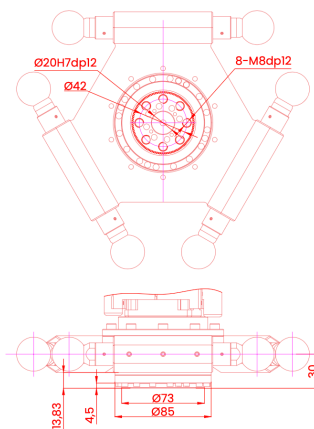
Cycles/min	0.00kg	3.00kg	6.00kg	9.00kg	12.00kg	15.00kg	18.00kg	21.00kg	25.00kg
Trajectory 1	117.00	104.00	91.00	78.00	78.00	71.50	65.00	58.5	58.5
Trajectory 2	104.00	91.00	78.00	65.00	65.00	58.50	52.00	45.5	45.5
Trajectory 3	134.55	119.60	104.65	89.70	89.70	82.23	74.75	67.275	67.275
Trajectory 4	114.40	100.10	85.80	71.50	71.50	64.35	57.20	50.05	50.05

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)

