

Shibaura Machine

View the Future with You

Formerly Toshiba Machine

SCARA ROBOTS

THP Series



- Highly durable models
- Long continuous operation at maximum speed
- No fatigue even from 24-hour, high-cycle operation
- Lightweight arm and the achievement of low inertia
- Outstanding performance in high-precision processes
- Fast cycle time of 0.3-second level, and 120 cycles per minute

TH Series



- Heavy duty arm
- Rigid arm structure
- Highest payload in its class
- Up to 20kg payload
- Arm lengths from 180 to 1200mm

THE Series



- High speed operation
- High load performance
- Accurate movement trajectory
- Maximum payload: 5 kg - 12 kg
- Standard cycle time: 0.31 sec. - 0.39 sec.

THL Series



- Up to 10kg payload
- Light to medium duty
- Arm lengths from 300 to 1200mm

CARTESIAN

Light Loads

- Maximum Stroke: 70 mm
- Maximum Vertical Payload: 10 kg
- Maximum Horizontal Payload: 30 kg
- Maximum Speed Ball Screw Driven: 800 mm/s
- Positioning repeatability Ball Screw Driven: 0.02 mm
- IP50 Dust Proof and ISO Class 3 Clean Room versions available

Medium & Heavy Loads

- Maximum Stroke: 4450 mm
- Maximum Loading Mass Single Horizontal Axis: 250 kg
- Maximum Loading X-Y Two Axis Combination: 100 kg
- Maximum Speed Ball Screw Driven: 1200 mm/s
- Positioning repeatability Ball Screw Driven: 0.01 mm
- IP50 Dust Proof and ISO Class 3 Clean Room versions available

2/3/4 Axis Examples



2 Axis YZ



3 Axis XYZ



4 Axis XYZR

6-AXIS ROBOTS

TVL Range

- Dust and drip proof
- I/O panel with built-in three-way solenoid valves
- Cleanroom design



TVL500
Payload: Up to 3 kg
Arm Length: 500 mm



TVL700
Payload: Up to 4 kg
Arm Length: 700 mm

TV Range

- Ceiling mount
- Dust and drip proof
- I/O panel with built-in three-way solenoid valves
- Cleanroom design



TV800
Payload: Up to 5 kg
Arm Length: 800 mm



TV1000
Payload: Up to 5 kg
Arm Length: 1000 mm



TV1000H
Payload: Up to 10 kg
Arm Length: 1000 mm

TVM Range

- Hollow 3rd wrist
- I/O panel Ethernet port
- Standard IP65 rating
- Cleanroom design
- Ceiling mount



TVM900
Payload: Up to 20 kg
Arm Length: 900 mm



TVM1200
Payload: Up to 15 kg
Arm Length: 1200 mm



TVM1500
Payload: Up to 10 kg
Arm Length: 1500 mm

