



# MPP3H

# MPP3S

ASSEMBLY | CARTONING | KITTING | PACKAGING | PICK AND PLACE

### KEY BENEFITS

Ideal for primary packaging with performance optimized for payload.

Zero footprint and compact design ideal for high-density installation.

NSF-H1 certified food-grade lubricants and anti-corrosive coating allow handling of wide variety of products.

### SPECIFICATIONS

3 kg payload

±0.1 mm repeatability

IP67 protection rating

Motion Range (Ø x z-stroke):  
MPP3S: 800 mm x 300 mm  
MPP3H: 1,300 mm x 600 mm

### CONTROLLERS



DX200



FS100



MLX200

### FAST, PRECISE AND RELIABLE

- High-speed operation - speeds up to 150 cycles per minute (CPM) with full 3 kg payload and up to 185 CPM with 1 kg payload. CPM rate includes 0.04 second per cycle for part acquisition and release.
- Highly accurate ±0.1 mm repeatability.
- Direct driven T-axis (rotary-axis) simplifies design and improves reliability of operations.
- Software-based arm dislocation detection promptly stops robot to avoid damage to parts, workcell and/or the robot itself.

### OPTIMIZED WORKSPACE

- The MPP3-series robots offer versatility for application layout without compromising on payload, speed or performance.
- Zero footprint design with compact installation space of 650 mm diameter (MPP3S) and 750 mm diameter (MPP3H)

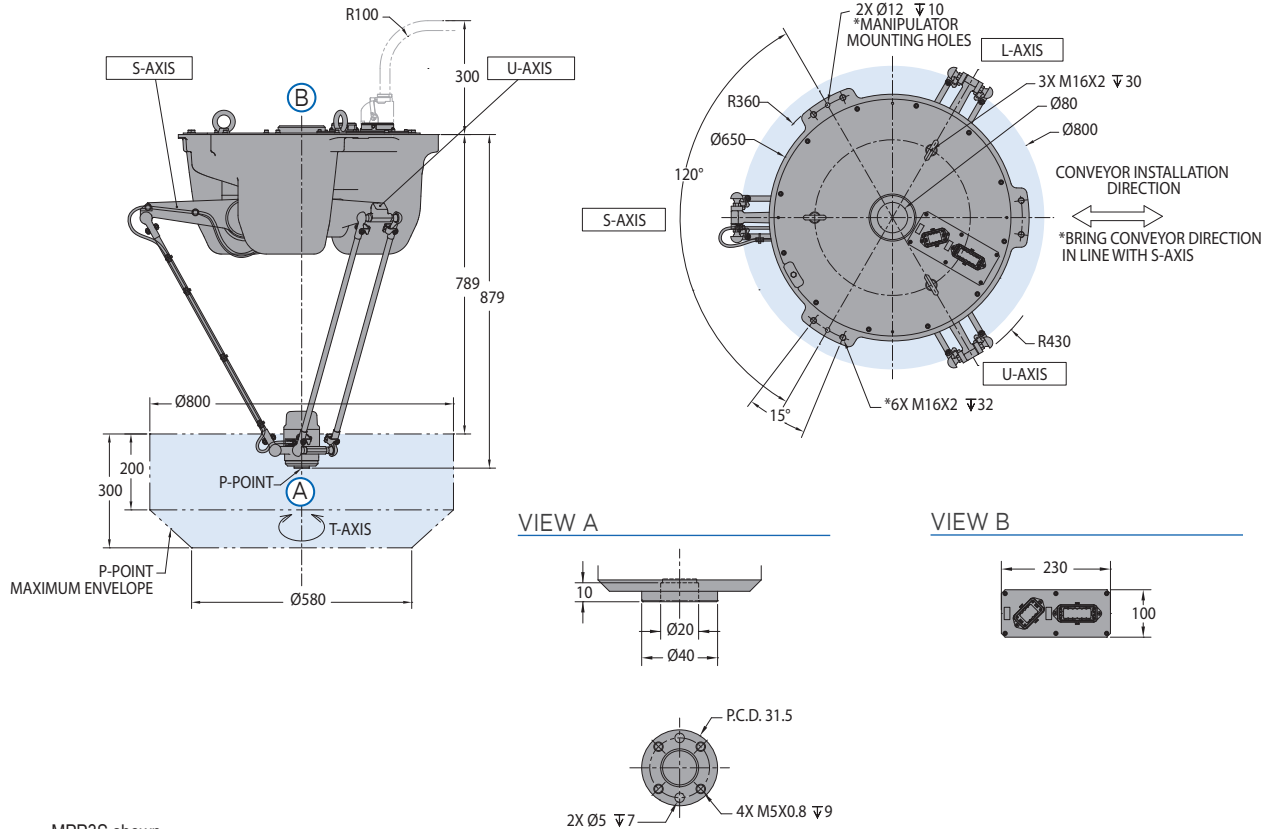
### EASE OF USE AND FLEXIBILITY

- Ø80 mm thru-hole at the base of the robot makes it easier to manage I/O and airline cabling challenges.
- Removable covers on top of base allow for easy grease replenishment.
- Available with advanced technologies such as MotoSight™, MotoPick™ and conveyor tracking.

### APPLICABLE TO WIDE SPECTRUM OF INDUSTRIES

- With its IP67 structure, NSF-H1 certified food-grade lubricants, anti-corrosive paint and ISO Class 5 (Federal standard 209E clean class 100), the MPP3-series robots are ideal for use in many industries including:
  - Food and beverage
  - Consumer packaged goods
  - Pharmaceutical
  - Life sciences
  - Automotive

# MPP3H | MPP3S ROBOTS



MPP3S shown.  
 All dimensions are metric (mm) and for reference only.  
 Request detailed drawings for all design/engineering requirements.

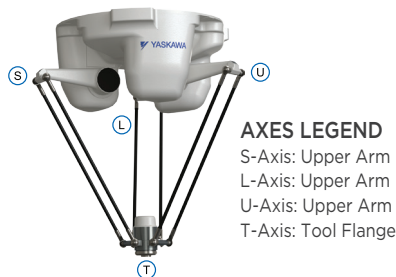
SPECIFICATIONS: MPP3S   MPP3H			MPP3S	MPP3H
T-Axis				
Rotational Repeatability	±1 arc-min	Structure	Parallel Arm/Delta	Parallel Arm/Delta
Maximum Speed [°/sec.]	1,400	Mounting	Ceiling	Ceiling
Range of Motion [°]	±360	Controlled Axes	4	4
Allowable Moment [N•m]	2.94	Payload [kg]	3	3
Allowable Inertia (GD2/4) [kg•m <sup>2</sup> ]	0.017	Repeatability [mm]	±0.1	±0.1
		Range of Motion [mm]	Ø800 X Z300	Ø1,300 X Z600
		IP Rating	IP67	IP67
		Weight [kg]	95	115
		Brakes	All axes	All axes
		Power Requirement	3-phase; 200/230 VAC; 50/60 Hz	3-phase; 200/230 VAC; 50/60 Hz
		Power Rating [kVA]	1.5	1.5

## OPTIONS

Extended length manipulator cables

MotoPick - scheduler and picking software integrated with vision and conveyor tracking

MotoSight - easy to integrate vision software



### AXES LEGEND

S-Axis: Upper Arm  
 L-Axis: Upper Arm  
 U-Axis: Upper Arm  
 T-Axis: Tool Flange

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