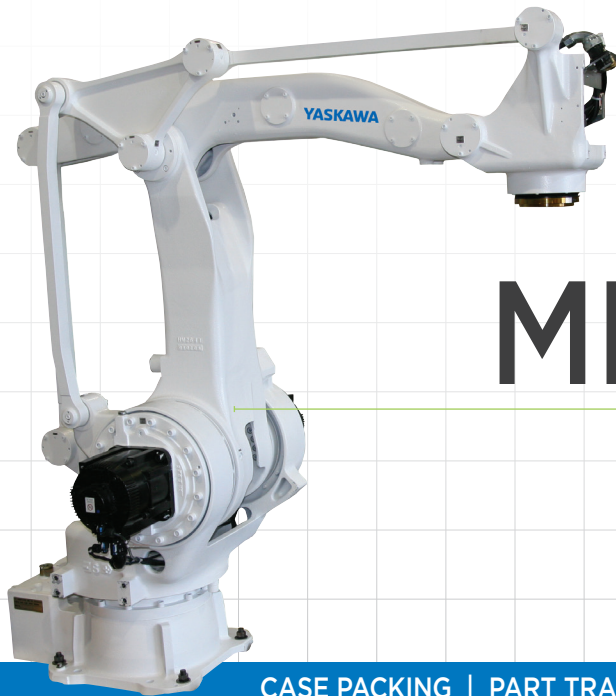




MPK50

CASE PACKING | PART TRANSFER | PICK AND PLACE | PALLETIZING

KEY BENEFITS

Fast and powerful
Easy to use
Highly reliable
Unlimited application possibilities

SPECIFICATIONS

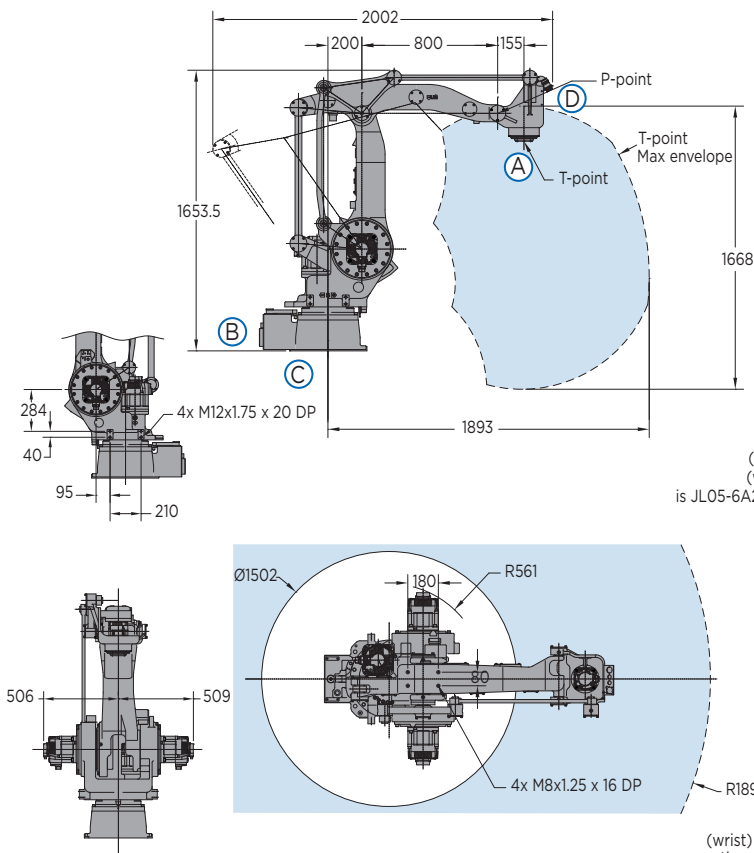
50 kg payload
±0.5 mm repeatability
Maximum Reach:
(H) 1,893 mm x (V) 1,668 mm

CONTROLLERS

☐ DX100 ☐ FS100 ☒ MLX200

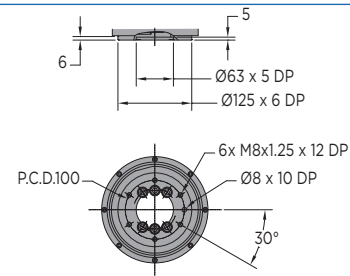
- 4-axis, 50 kg capacity robot specifically designed for high-speed case packing, layer forming and palletizing applications.
- Slim design with 360° work envelope, horizontal reach of 1,893 mm and vertical reach of 1,668 mm provides unmatched agility.
- T-axis high moment of inertia provides ability to carry heavy payloads without compromising performance, even when load is unbalanced.
- Internally routed airlines and electrical wires eliminate cable interference, enhance life of the cables and improve reliability.
- Internally routed fieldbus connection to T-axis/tool.
- Cable mounts along both sides of robot provide easy routing.
- Auxiliary equipment (maximum of 10 kg), such as valve packs, can be mounted on upper arm to simplify gripper design or reduce gripper interferences.
- NSF-H1 certified food-grade lubricants for food or consumer product packaging environment.

MPK50 ROBOT

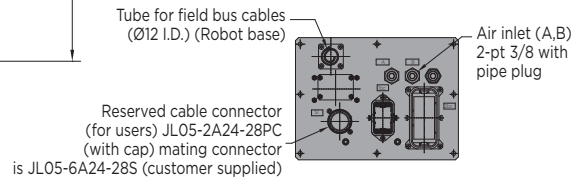


All dimensions are metric (mm) and for reference only.
Request detailed drawings for all design/engineering requirements.

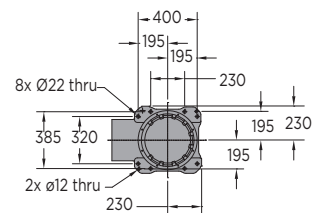
VIEW A



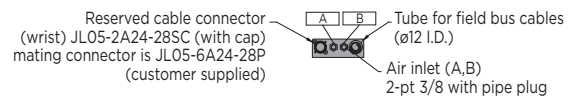
VIEW B



VIEW C



VIEW D



SPECIFICATIONS

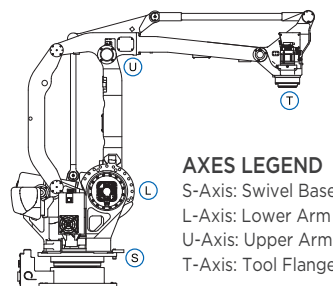
Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [N•m]	Allowable moment of inertia [kg•m ²]	Controlled axes	
S	±180	185	12	-	Maximum payload [kg]	4
L	+80/-35	160	13	-	Repeatability [mm]	50
U	+15/-10.5	160	7	-	Horizontal reach [mm]	±0.5
T	±350	374	-	5.5	Vertical reach [mm]	1,893
					Protection (IP rating) Standard	1,668
					Weight [kg]	IP54 Body; IP67 Wrist
					Power requirements	670
					Power rating [kVA]	3-phase; 200/230 VAC at 50/60 Hz
						6.0

OPTIONS

Extended length manipulator cables

Robot risers and base plates

Wide variety of fieldbus connectivity



Representative 4-axis model

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Motoman Robotics Division

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Miamisburg, OH 45342
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Fax: 937.847.6277

motoman.com

YASKAWA