

COMPACT AND VERSATILE ROBOT FOR HANDLING AND PACKAGING APPLICATIONS



MH5 MH5L

ASSEMBLY | CASE PACKING | KITTING | MACHINE TENDING PART TRANSFER | PICK AND PLACE



KEY BENEFITS

Compact and powerful design

Applicable to various industry environments

Highly reliable

Unlimited application possibilities

SPECIFICATIONS

5 kg payload

Repeatability:

MH5: ±0.02 mm MH5L: ±0.03 mm

Maximum Reach: MH5: 706 mm MH5L: 895 mm

CONTROLLERS



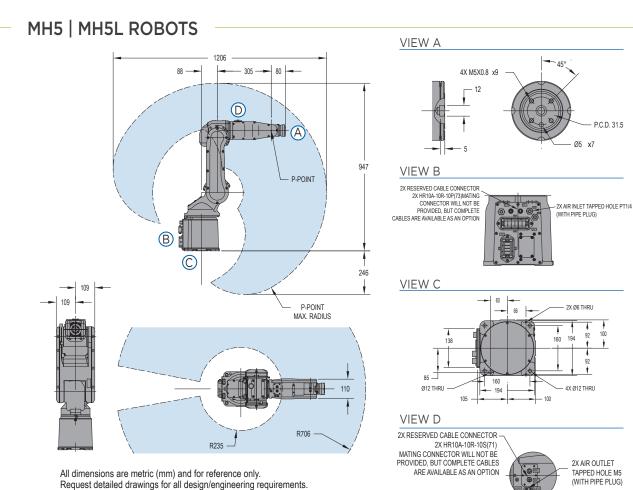




DX200 FS100 MI X200

- High-performance, 6-axis robot with 5-kg payload capacity and high axial speeds.
- The MH5 model features a horizontal reach of 706 mm and vertical reach of 1,193 mm; it offers the widest work envelope in its class.
- The MH5L model offers a horizontal reach of 895 mm and vertical reach of 1,593 mm due to its extended upper arm.
- · Compact base, slim-arm and lightweight design saves valuable floor space and is ideal for table top, ceilingor wall-mount installations.
- Slim upper arm design reduces potential interferences. Shortened distance between the B-axis and T-axis enhances carrying capacity with high moments of inertia.
- Internally routed airline(s) and electrical wires eliminate cable interference, enhance cable life and improve reliability.

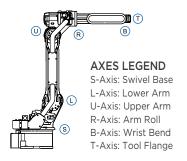
- Auxiliary equipment, such as valve packs, can be mounted on upper arm to simplify tool design and maintain optimal tool performance.
- Applicable for a wide range of applications from small parts assembly and machine tending to high-speed case packing.
- Available on FS100 (MH5F, MH5LF)or PLC-controlled MLX200 (MH5, MH5L) platform: allows controller choice to fit application and plant skill set.
- Model variations for food production, pharmaceuticals or automotive parts:
 - XP (eXtra Protection) package provides IP65 body and IP67 wrist.
 - Anticorrosive paint withstands harsh environments and caustic cleaners (pH3-11)



SPECIFICATIONS: MH5 MH5L									
Axes	Maximum motion range [°]		Maximum speed [°/sec.]		Allowable moment [N•m]	Allowable moment of inertia [kg•m²]		MH5	MH5L
							Controlled axes	6	6
	MH5 MH5L		MH5 MH5L				Maximum payload [kg]	5	5
						[1/9 11/1	Repeatability [mm]	±0.02	±0.03
S	±170	±170	376	270	12	-	Horizontal reach [mm]	706	895
							Vertical reach [mm]	1,193	1,563
L	-65/+150	-65/+150	350	280	12	-	Protection (IP Rating) Standard	none	none
U	-136/+255	-138/+255	400	300	7	-	XP version	Body: IP65; Wrist IP67	Body: IP65; Wrist IP67
							Weight [kg]	27	29
R	±190	±190	450	450	-	0.3	Power Requirements	1 7	17
							FS100	1- or 3-phase; 200/230 VAC at 50/60 Hz	1- or 3-phase; 200/230 VAC at 50/60 Hz
В	±135	±135	450	450	-	0.3	MLX200	3-phase; 200/230 VAC	3-phase; 200/230 VAC
								at 50/60 Hz	at 50/60 Hz
Т	±360	±360	720	720	-	0.1	Power rating [kVA]	1	1

OPTIONS

Extended length manipulator cables
Robot risers and base plates
Wide variety of fieldbus connectivity
Conveyor tracking, MotoSight, MotoPick



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