

MH50 II MH50 II-35

COATING | DISPENSING | MACHINE TENDING
MATERIAL CUTTING | MATERIAL HANDLING | PRESS TENDING

KEY BENEFITS

Variety of payloads and reaches allow MH-series robot models to be used for a variety of projects.

High speeds and mounting flexibility allows use in a variety of applications.

High wrist ratings provide higher handling capacity.

SPECIFICATIONS

MH50 II:
50 kg payload
2,061 mm horizontal reach
3,578 mm vertical reach

MH50 II-35:
35 kg payload
2,538 mm horizontal reach
4,448 mm vertical reach
±0.07 mm repeatability

CONTROLLERS



DX200



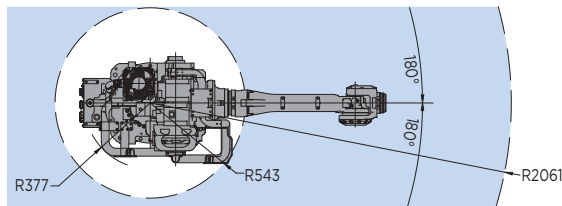
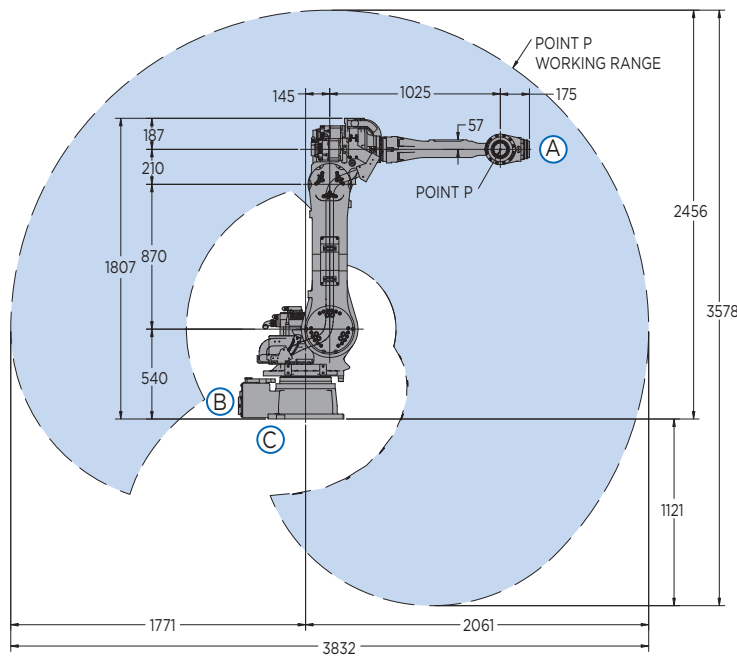
FS100



MLX200

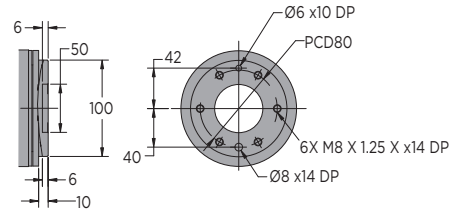
- Powerful, high-speed robots with long/extended reaches offer superior performance in coating, dispensing, material cutting and handling applications.
- Wide work envelopes with small interference zones, allow robots to be placed close to workpieces/equipment which reduces required floorspace.
- Highly reliable, six-axis robots feature high-rigidity speed reducers and high-speed motion which reduce cycle times.
- High payload moment and inertia ratings allow these robots to handle larger and heavier payloads.
- Cables and air lines are routed through robot base to upper arm to increase cable life, enhance safety and reduce teaching time.
- Cable installation tube in robot base facilitates fieldbus routing to the upper arm and/or gripper.
- MH50 II-20 also available featuring 20 kg payload; 3,106 mm horizontal reach; 5,585 mm vertical reach and ±0.15 mm repeatability.
- The MH50 II and MH50 II-35 robots can be floor-, wall- or ceiling-mounted. Brakes on all axes.
- Mounting for peripheral equipment is provided in multiple locations to make integration easier.
- IP67-rated wrist is provided on the MH50-series robots. The standard robot has an IP54-rated body, and an IP65-rated body is available on the foundry hardened, eXtra Protection option.
- Anti-corrosive paint option is available as an option when the robot is to be installed in a corrosive environment.

MH50 II | MH50 II-35 ROBOTS

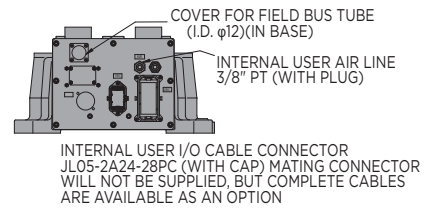


All dimensions are metric (mm) and for reference only.
Request detailed drawings for all design/engineering requirements.

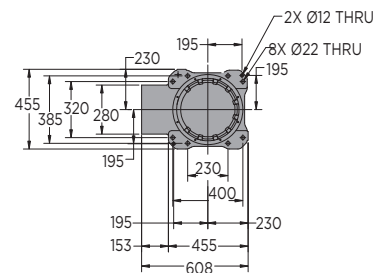
VIEW A



VIEW B



VIEW C



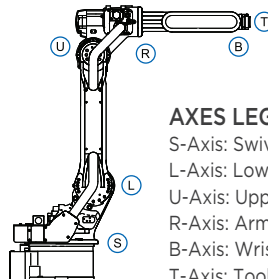
SPECIFICATIONS: MH50 II | MH50 II-35

Axes	Maximum motion range [°]		Maximum speed [°/sec.]		Allowable moment [N•m]		Allowable moment of inertia [kg•m ²]		Controlled axes	MH50 II	MH50 II-35
	MH50 II	MH50 II-35	MH50 II	MH50 II-35	MH50 II	MH50 II-35	MH50 II	MH50 II-35			
S	±180	±180	180	180	-	-	-	-	6	6	
L	+135/-90	+135/-90	178	140	-	-	-	-	50	35	
U	+251/-170	+251/-160	178	178	-	-	-	-	±0.07	±0.07	
R	±360	±360	250	250	216	147	28	10	2,061	2,538	
B	±125	±125	250	250	216	147	28	10	3,578	4,448	
T	±360	±360	360	360	147	78	11	4	0 to +45	0 to +45	
									Humidity (non-condensing) [%]	20 - 80	20 - 80
									Weight [kg]	550	570
									Power supply, average [kVA]	4.0	4.0
									Internal I/O cable [conductors w/ ground]	24	24
									Internal air line [connections]	(1) 3/8"	(1) 3/8"

Specifications for MH50 II and MH50 II-35 with XP package may be different.

OPTIONS

- Extended length manipulator cables
- Robot risers and base plates
- External axis kits
- Wide variety of fieldbus cards
- Vision systems
- Robot base and upper arm I/O cables
- XP package and anti-corrosive paint



AXES LEGEND

- S-Axis: Swivel Base
- L-Axis: Lower Arm
- U-Axis: Upper Arm
- R-Axis: Arm Roll
- B-Axis: Wrist Bend
- T-Axis: Tool Flange

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