

KEY BENEFITS

Small mounting surface and minimum interference radius save valuable floorspace

Optimized robot design with increased speed reduces cycle time

Increased payload, moment and inertia ratings allow use for wide variety of applications

Slim wrist profile for high density spacing and for reaching into confined spaces

SPECIFICATIONS

280 kg payload 2,446 mm horizontal reach 2,962 mm vertical reach ±0.2 mm repeatability Floor mounted

- The powerful, heavy-payload MH280 II is ideal for one of the most common robotics applications today - machine tending.
- From boring to milling to grinding, the MH280 II can help improve product quality by removing inconsistencies of a manual process and deliver cost-saving benefits to metal, polymer, ceramic and composite manufacturers.
- Ideal for "jigless" applications where robot positions parts for processing by other robots, or two robots handle a single part.
- The high-speed, six-axis MH280 II robot is designed to provide superior performance, reliability and flexibility.
- High-rigidity speed reducers and high-speed motion reduce cycle times.

- Streamlined upper arm design allows easier reach into confined spaces, improving application flexibility.
- Large work envelope extends behind body (due to no counterbalance), providing a wider range of motion which can increase the number of operations in a single cell and accommodating a wide range of big, heavy parts.
- Up to 70% less power consumption during motion and 25% savings during idle periods compared to previous models.
- Cables and air lines for end effector are routed through robot base to upper arm to increase cable life, enhance safety and reduce teaching time.

CONTROLLERS

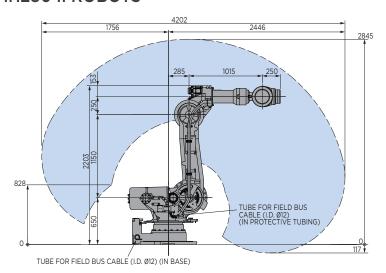






DX200 FS100 MLX200

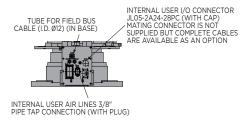
MH280 II ROBOTS



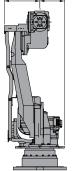
TAPPED HOLES MIO (6 HOLES) DEPTH: 12MM TAPPED HOLES MIO (6 HOLES) DEPTH: 12MM TAPPED HOLES MIO (6 HOLES) DEPTH: 12MM 9 DIA. (2 HOLES), DEPTH: 8MM

VIEW B

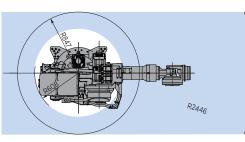
VIEW A



HARNESS CONNECTOR (CASING SIDE) JL05-2A24-28SC (WITH CAP) MATING CONNECTOR TYPE IS JL05-6A24-28P (NOT SUPPLIED)

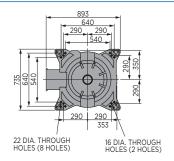






All dimensions are metric (mm) and for reference only. Request detailed drawings for all design/engineering requirements.

VIEW C

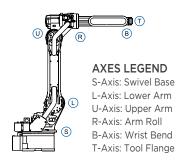


SPECIFICATIONS: MH280 II						
Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [N•m]	Allowable moment of inertia [kg•m²]	Controlled axes Maximum payload [kg] Repeatability [mm]	6 280 ±0.2
S	±180	90	-	-	Horizontal reach [mm]	2,446
L	+76/-60	80	-	_	Vertical reach [mm]	2,962
					Temperature [°C]	0 to +45
U	+230/-142.5	90	-	-	Humidity [%]	20 - 80
R	±360	115	1,333	142	Weight [kg]	1,120
					Power supply, average [kVA]	5.0
В	±125	110	1,333	142	Internal I/O cable [conductors w/ ground]	24
Т	±360	190	706	79	Internal air line [connections]	(2) 3/8"

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



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