



MH110

MATERIAL HANDLING | MACHINE TENDING | PRESS TENDING

KEY BENEFITS

Increased design flexibility and layout options.

Small mounting surface and minimum interference radius save valuable floorspace.

Reduced floorspace requirements improve cycle time.

Ideal for a wide variety of applications.

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

SPECIFICATIONS

110 kg payload

2,236 mm horizontal reach

3,751 mm vertical reach

±0.07 mm repeatability

Floor mounted

CONTROLLERS



DX200



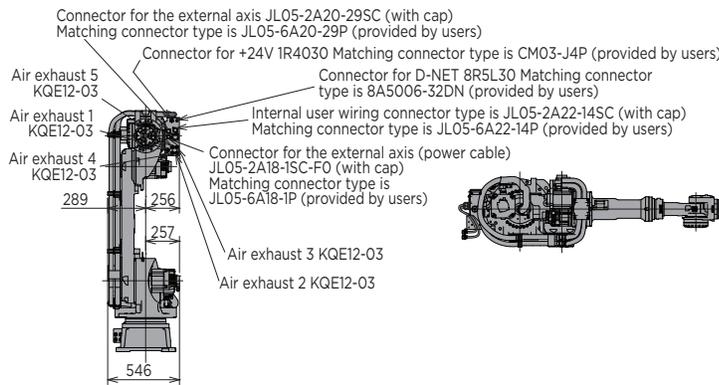
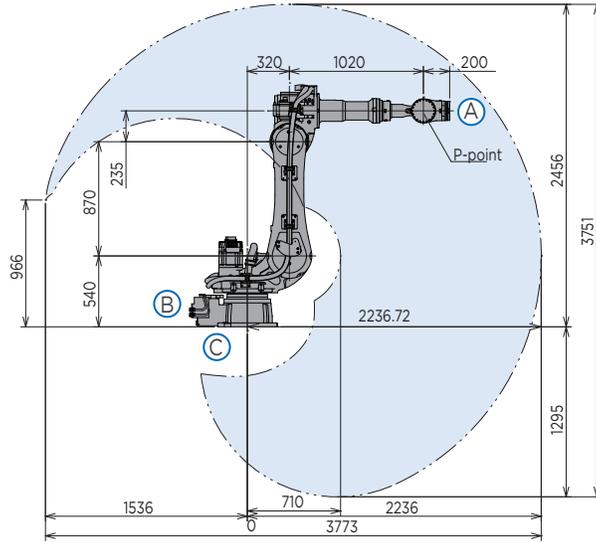
FS100



MLX200

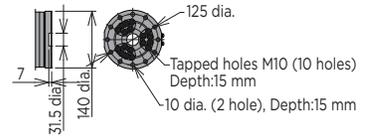
- Powerful six-axis handling robot features high-rigidity speed reducers and high-speed motion which reduce cycle times.
- Increased payload capacity and increased speed of each axis over previous models.
- High payload and high moment and inertia ratings allow this robot to handle larger and heavier payloads.
- Streamlined upper arm design features a slim wrist profile.
- New compact base design reduces robot interference radius to only 491 mm. This allows the robot to be mounted closer to machines and fixtures, making best use of valuable floorspace.
- New design removes the counterbalance from robot base. This reduces the mass of the arm, enabling higher acceleration, deceleration and speed.
- Up to 70% less power consumption during motion and 25% savings during idle periods compared to previous models.
- Cables and air lines are routed through robot base to upper arm to increase cable life, enhance safety and reduce teaching time.
- Pre-wired for servo gripper which allows a wider range of product handling.
- Pre-wired with internal DeviceNet cable that can be used for robot upper arm and/or gripper.

MH110 ROBOT

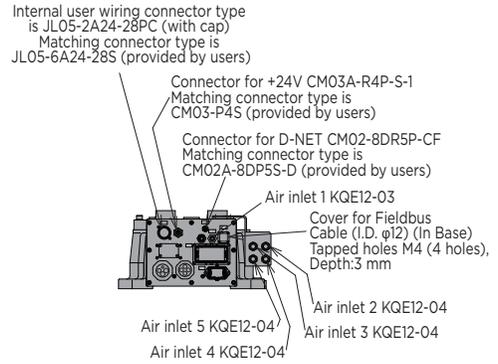


All dimensions are metric (mm) and for reference only.
Request detailed drawings for all design/engineering requirements.

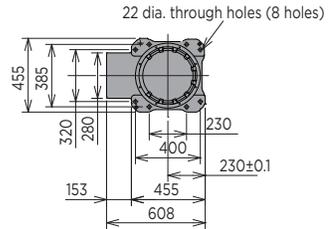
VIEW A



VIEW B



VIEW C

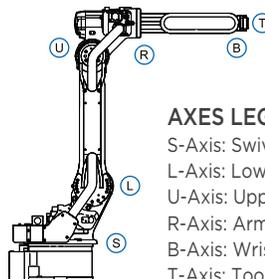


SPECIFICATIONS: MH110

Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [N·m]	Allowable moment of inertia [kg·m ²]	Controlled axes	6
S	±180	140	-	-	Maximum payload [kg]	110
L	+155/-90	110	-	-	Repeatability [mm]	±0.07
U	+160/-185	130	-	-	Horizontal reach [mm]	2,236
R	±360	175	721	60	Vertical reach [mm]	3,751
B	±125	175	721	60	Temperature [°C]	0 to +45
T	±360	255	294	33.7	Humidity [%]	20 - 80
					Weight [kg]	625
					Power supply, average [kVA]	5.0
					Internal I/O cable [conductors w/ ground]	24 conductors
					Internal air line [connections]	(5) 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



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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