

# MH24-10

ASSEMBLY | DISPENSING  
MACHINE TENDING | MATERIAL HANDLING

### KEY BENEFITS

Extended 2,010 mm reach  
10 kg payload  
Large 50 mm thru-hole for process utilities  
Contoured arm design  
Thru-hole wrist design maximizes equipment uptime

### SPECIFICATIONS

10 kg payload  
2,010 mm horizontal reach  
3,649 mm vertical reach  
±0.08 mm repeatability  
Floor, wall or ceiling mounted

### CONTROLLERS



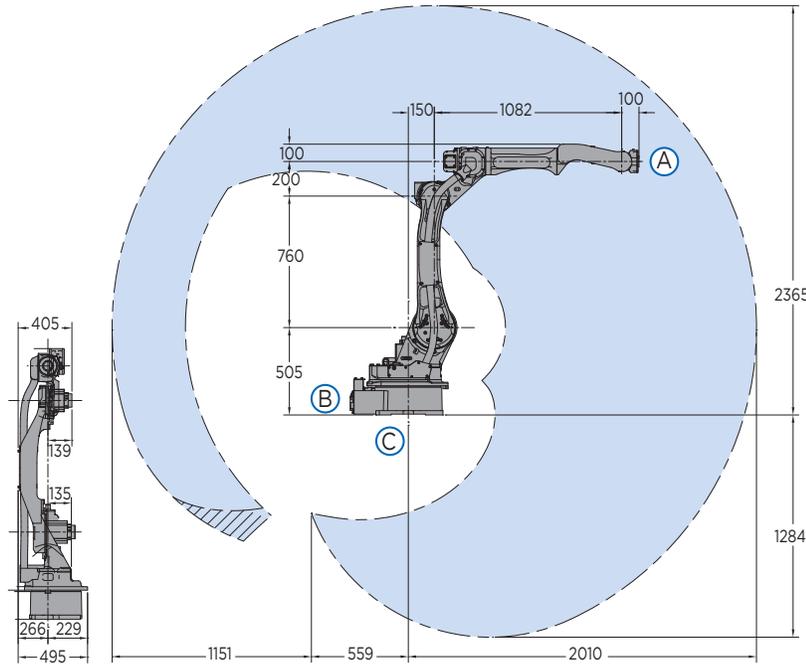
DX200



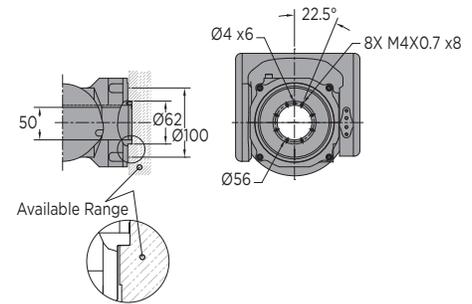
MLX300\*

- Slim, extended reach MH24-10 robot increases productivity and achieves high performance.
- Powerful high-speed six-axis robot is ideal for a variety of applications.
- Hollow upper arm provides optimal cable protection and long life while simplifying programming. A 50 mm clearance through axes 4-6 encloses the cable and protects it from wear, interference or snagging.
- Contoured arm design reduces interference with jigs and large parts.
- Exceptionally fast axis speeds and acceleration reduces cycle times and increases production output.
- Symmetric wrist profile provides consistent motion and clearances regardless of robot approach.
- Mounting is available on the back side of the upper arm reducing interference with machines or other items in the workcell.
- Ideally suited for use in high-density workcells with multiple robots working in close proximity.
- Extended reach is ideal for agriculture/construction machinery or automotive frames.
- Slim arm allows easy access to parts in tight spots and avoids potential interference with fixtures.
- Also available with increased 24 kg payload capacity in slightly shorter reach (1,730 mm) configuration (MH24).

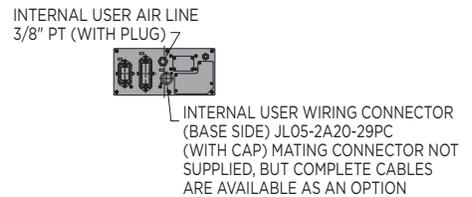
# MH24-10 ROBOT



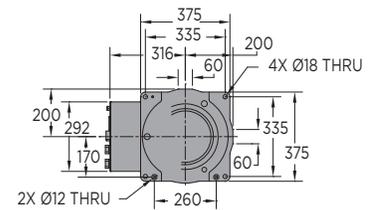
VIEW A



VIEW B



VIEW C



INTERNAL USER WIRING CONNECTOR TYPE IS JL05-2A20-29SC (WITH CAP) MATING CONNECTOR IS NOT SUPPLIED BUT COMPLETE CABLES ARE AVAILABLE AS AN OPTION



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

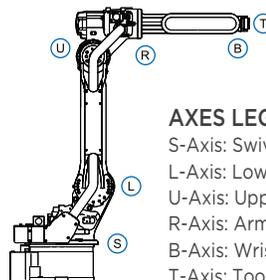
## SPECIFICATIONS

Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [N•m]	Allowable moment of inertia [kg•m <sup>2</sup> ]	Controlled axes	6
S	±180*	197	-	-	Maximum payload [kg]	10
L	+155/-105	190	-	-	Repeatability [mm]	±0.08
U	+250/-170	210	-	-	Horizontal reach [mm]	2,010
R	±200	410	22	0.65	Vertical reach [mm]	3,649
B	±135	410	22	0.65	Weight [kg]	280
T	±455	620	9.8	0.17	Power requirements	3-phase; 240/480/575 VAC at 50/60 Hz
					Power rating [kVA]	2.0
					Internal I/O cable [conductors w/ ground]	17
					Internal air line [connections]	(1) 3/8"

\* Wall-mounted MH24-10 S-axis maximum motion range is ±30°

## OPTIONS

- Extended length manipulator cables
- Robot risers and base plates
- Wide variety of fieldbus cards
- MotoSight 2D and 3D vision systems



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