



# MYS450F

HANDLING | ASSEMBLY | DISPENSING

### KEY BENEFITS

Uses the same controller as larger Yaskawa robots

Easy vision integration with MotoSight 2D, a Cognex In-Sight based vision system

Yields extraordinary production results, while requiring minimal capital investment

High work envelope to mounting surface ratio

Flexible asset; easily re-deployable as production needs change

### SPECIFICATIONS

6 kg maximum payload

450 mm radial reach

180 mm U-axis stroke

### CONTROLLERS



DXM100



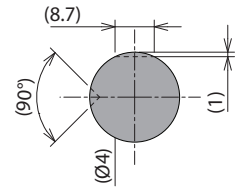
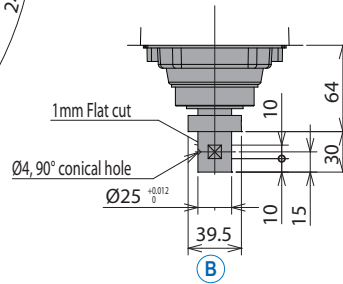
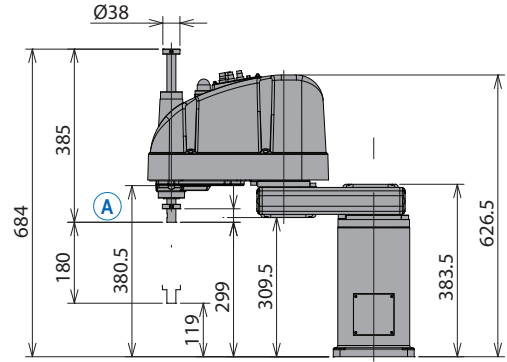
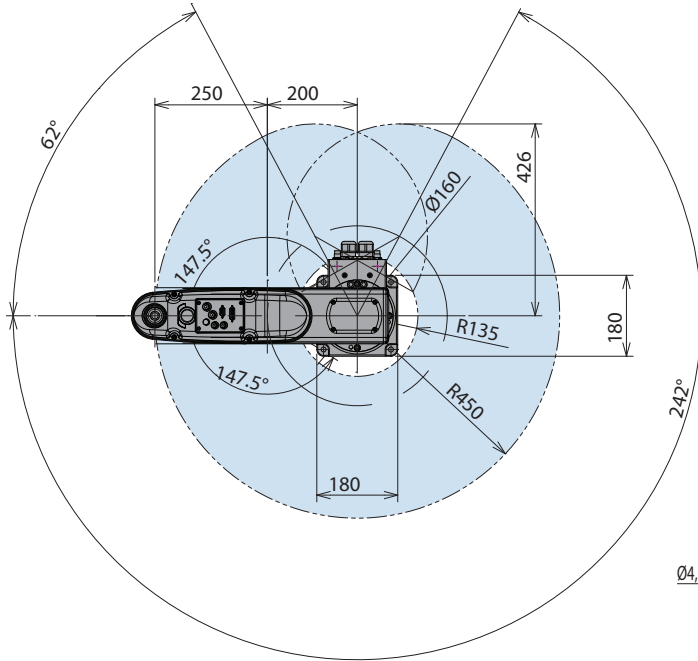
FS100



MLX200

- 4-axis SCARA robot ideal for high-speed handling and assembly systems.
- Offers superior performance in applications such as assembly, dispensing, part kitting, small part handling, case packing, lab automation, packaging, solar and semiconductor processing.
- Ideal for multi-process systems requiring pick-and-place capability.
- Easily integrates with existing robot applications to expand current automated processes.
- Rounds out the Yaskawa product line of 4-15 axis robots with payloads of 1-800 kg.
- Uses same controller as other Yaskawa robots. Enclosure size may vary depending on robot size and payload.
- Offers high speed in a compact form that requires minimal mounting space.
- Features a radial reach of 450 mm, U-axis stroke of 180 mm and 6 kg maximum payload.
- External axes available, further expanding the capabilities of this flexible asset.
- High repeatability with compliance in all axes make these robots ideal for assembly tasks.
- Wide variety of fieldbus connectivity available.

# MYS450F



VIEW A

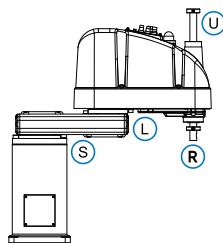
VIEW B

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 of inertia [kg·m <sup>2</sup> ]	Repeatability [mm]	Controlled axes	
S + L	450 mm	-	-	±0.015	Payload [kg]	4 3 Rated/6 Max
S	+242/-62	420	-	-	Radial reach [mm]	450
L	±147.5	720	-	-	U-axis stroke [mm]	180
U	180 mm	1,083 mm/s	-	±0.01	Weight [kg]	27
R	±360	2,400	0.01 Rated/0.12 Max	±0.005°	Power rating [kVA]	1.25

NOTE: Maximum speed and moment of inertia may vary depending on load.



### AXES LEGEND

- S-Axis: 1<sup>st</sup> Horizontal Arm
- L-Axis: 2<sup>nd</sup> Horizontal Arm
- U-Axis: Upper/Lower
- R-Axis: Rotate

Representative SCARA model

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# YASKAWA