



# MYS850LF

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

- 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 850 mm, long (420 mm) U-axis stroke and 10 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.

### SPECIFICATIONS

10 kg maximum payload  
850 mm radial reach  
420 mm U-axis stroke

### CONTROLLERS



DXM100

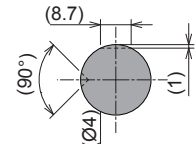
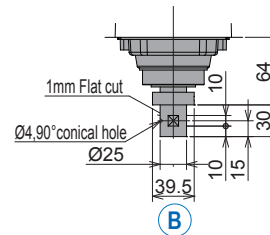
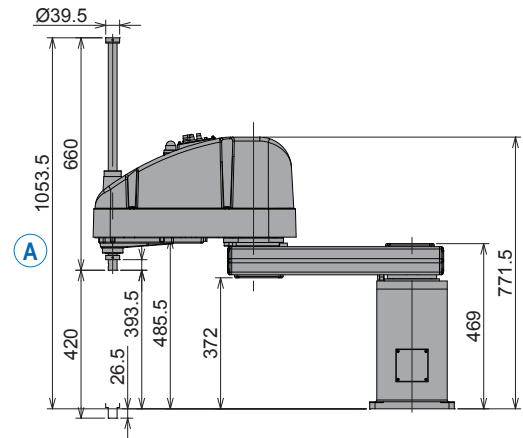
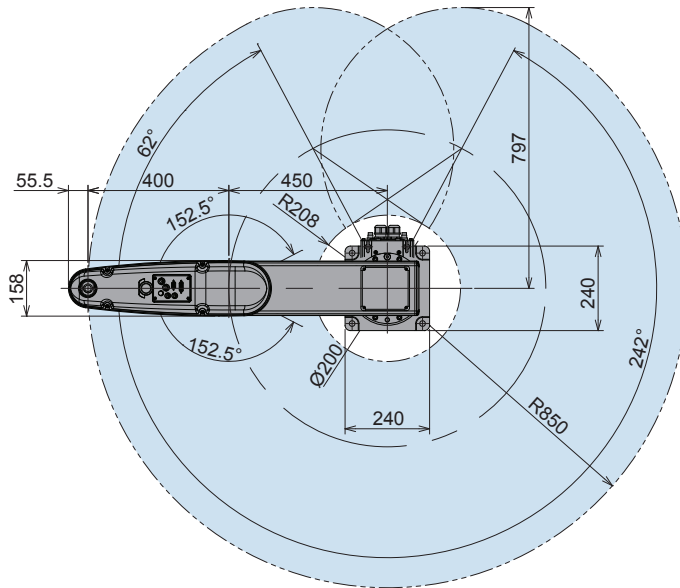


FS100



MLX200

# MYS850LF



VIEW A

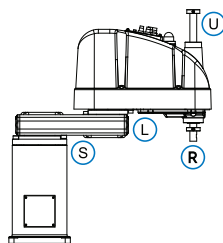
VIEW B

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•m²] | Repeatability [mm] | Controlled axes    | 4              |
|-------|--------------------------|------------------------|-------------------------------------|--------------------|--------------------|----------------|
| S + L | 850 mm                   | -                      | -                                   | ±0.025             | Payload [kg]       | 5 Rated/10 Max |
| S     | +242/-62                 | 424                    | -                                   | -                  | Radial reach [mm]  | 850            |
| L     | ±152.5                   | 678                    | -                                   | -                  | U-axis stroke [mm] | 420            |
| U     | 420 mm                   | 2,350 mm/s             | -                                   | ±0.01              | Weight [kg]        | 48             |
| R     | ±360                     | 2,415                  | 0.02 Rated/0.25 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