



### **KEY BENEFITS**

Performance driven design Easy to use Highly reliable

### **SPECIFICATIONS**

160 kg maximum payload Vertical reach 3,024 mm Horizontal reach 3,159 mm Food-grade lubricants

## CONTROLLERS







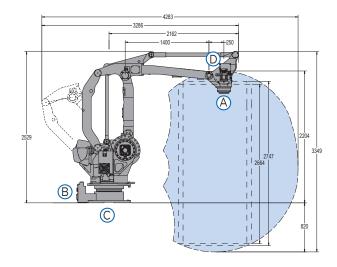
DX100 FS100

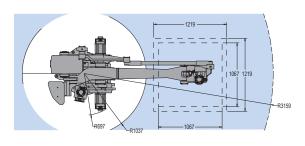


- High-performance, 4-axis robot with 160 kg payload capacity and ±0.5 mm repeatability.
- Highly versatile, this robot is ideal for case palletizing, bag palletizing, layer handling, pallet handling, order picking and other logistical tasks for end-of-line or distribution center automation.
- Extensive 3,024 mm vertical reach, combined with 3,159 mm horizontal reach, provides ability to build 102" tall trailer-high loads on standard 48" x 40" pallet.
- Hollow wrist provides a wide range of wrist motion without interference.
- T-axis features high allowable moment of inertia; asymmetric loads are handled effectively without compromising speed or performance.

- Internally routed airlines and cables from base to end-of-arm tool maximize operation reliability.
- Internally routed fieldbus connection to T-axis/tool.
- NSF-H1 certified food-grade lubricants for food or consumer product packaging environment.
- Available with PalletSolver<sup>™</sup>, an operator-friendly palletizing software suite for fast and easy creation of palletizing patterns.

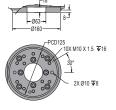
## **MPL160**



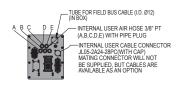


All dimensions are metric (mm) and for reference only. Request detailed drawings for all design/engineering requirements.

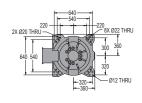
# VIEW A



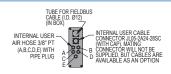
#### VIEW B



## VIEW C



### VIEW D



## SPECIFICATIONS

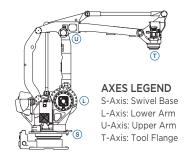
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Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment of inertia [kg•m²]	Controlled axes  Maximum payload [kg]  Repeatability [mm]	4 160 ±0.5
S	±180	140	-	Horizontal reach [mm]  Vertical reach [mm]	3,159 3,024
L	+90/-45	136	-	Protection (IP Rating) Weight [kg]	IP54 1.700
U	+15.5/-120	136	-	Power requirements DX100 MLX200	3-phase; 240/480/575 VAC at 50/60 Hz 3-phase, 230 VAC at 50/60 Hz
Т	±360	350	80	Power rating [kVA]	9.5

## **OPTIONS**

Extended length manipulator cables

Robot risers and base plates

Wide variety of fieldbus connectivity



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