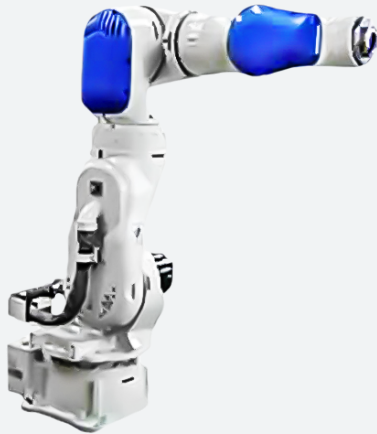


Motoman SIA50D



A 50 kg maximum payload capacity is what sets the Motoman SIA50D robot apart from the rest of the Motoman SIA series. Even at the robots maximum vertical reach of 2,597 mm or maximum horizontal reach of 1,630 mm, an object weighing 50 kg can still be manipulated with 0.1 mm repeatability. When fully extended, the Motoman SIA50D DX100 and its seven axes take up less than one square foot.

The Motoman SIA50D DX100 robot is designed to look and act like a human arm. With payload capacity and maximum reach so high and exceptional repeatability, the Motoman SIA50D is successfully making industries more efficient and cost-effective.

For more information about the Motoman SIA50D,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 7
 Payload:..... 50 kg
 H-Reach:..... 1630 mm
 Repeatability:±0.1 mm
 Robot Mass: 640 kg
 Structure: Articulated
 Mounting: Floor, Inverted, Angle

Robot Motion Speed

S-Axis.....170 °/s (2.97 rad/s)
 L-Axis.....130 °/s (2.27 rad/s)
 U-Axis.....130 °/s (2.27 rad/s)
 R-Axis.....130 °/s (2.27 rad/s)
 B-Axis.....130 °/s (2.27 rad/s)
 T-Axis.....200 °/s (3.49 rad/s)

Robot Motion Range

S-Axis.....±180°
 L-Axis.....+125° - 60°
 U-Axis.....+215° - 35°
 R-Axis.....±170°
 B-Axis.....±125°
 T-Axis.....±180°

Robot Controllers

DX100 >

Robot Applications

- | | |
|------------------------|---------------------------|
| Appliance Automation > | Machine Loading/Tending > |
| Assembly > | Material Handling > |
| Dispensing > | Order Picking > |
| Injection Molding > | Packaging > |