

## Motoman SIA10D



The Motoman SIA10D snake robot offers many advantages. The Motoman SIA10D DX100 robot can manipulate heavier materials with a maximum payload of 10 kg. With the ability to be mounted in many different ways, this Motoman SIA10D robot can perform a variety of processes including assembly, injection molding, inspection, and machine tending.

Even though the SIA10D DX100 assembly robot can handle payloads up to 10 kg and has a long reach, it still can fit into a one square foot area and maintain its 0.1 mm repeatability.

For more information about the Motoman SIA10D,  
contact a Robotworx representative today at 740-251-4312.

### Robot Information

#### Robot Specifications

Axes:..... 7  
Payload:..... 10 kg  
H-Reach:..... 720 mm  
Repeatability:±0.1 mm  
Robot Mass: 60 kg  
Structure: ..... Articulated  
Mounting: ..... Floor, Inverted, Angle

#### Robot Motion Speed

S-Axis.....170 °/s (2.97 rad/s)  
L-Axis.....170 °/s (2.97 rad/s)  
U-Axis.....170 °/s (2.97 rad/s)  
R-Axis.....200 °/s (3.49 rad/s)  
B-Axis.....200 °/s (3.49 rad/s)  
T-Axis.....400 °/s (6.98 rad/s)

#### Robot Motion Range

S-Axis.....±180°  
L-Axis.....±110°  
U-Axis.....±135°  
R-Axis.....±180°  
B-Axis.....±110°  
T-Axis.....±180°

#### Robot Controllers

DX100 >

#### Robot Applications

Assembly >      Material Handling >  
Injection Molding >      Order Picking >  
Machine Loading >      Part Transfer >  
Machine Tending >      Pick and Place >