

## Motoman SIA5D



The Motoman SIA5D robot offers a low payload, high repeatability solution to assembly, injection molding, inspection, machine tending, packaging, and part transfer applications. This Motoman snake SIA5D DX100 robot accomplishes its tasks while taking up minimal space. Whether it's mounted on the floor, ceiling, wall, incline, or another machine, the SIA5D robot takes up as little as one square foot.

The Motoman SIA5D DX100 robot's seven axes allow the robot to twist and turn to manipulate objects weighing 5 kg. Through-arm cable and hose routing enable the robot to reach up to 1,007 mm vertically and 559 mm horizontally. Repeatability of 0.05 mm helps make this SIA5D robot a unique, efficient choice for low payload assembly and material handling applications.

**For more information about the Motoman SIA5D,  
contact a Robotworx representative today at 740-251-4312.**

## Robot Information

### Robot Specifications

Axes:..... 7  
Payload:..... 5 kg  
H-Reach:..... 559 mm  
Repeatability:±0.05 mm  
Robot Mass: 30 kg  
Structure: ..... Articulated  
Mounting: ..... Floor, Inverted, Angle

### Robot Motion Speed

S-Axis.....200 °/s (3.49 rad/s)  
L-Axis.....200 °/s (3.49 rad/s)  
U-Axis.....200 °/s (3.49 rad/s)  
R-Axis.....200 °/s (3.49 rad/s)  
B-Axis.....230 °/s (4.01 rad/s)  
T-Axis.....350 °/s (6.11 rad/s)

### Robot Motion Range

S-Axis.....±180°  
L-Axis.....±110°  
U-Axis.....+115° - 90°  
R-Axis.....±180°  
B-Axis.....±105°  
T-Axis.....±180°

### Robot Controllers

DX100 >

### Robot Applications

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