

Motoman SIA20F



The Motoman SIA20F FS100 is a 7-axis robot, ideal for a variety of applications ranging from assembly to packaging and inspection. The SIA20F earned "best-in-class" wrist performance and is slim, compact, and powerful. Able to handle up to 20 kg, this robot arm can move fast and fit in tight areas. The Motoman SIA20F comes with the small, compact, FS100 controller and has high-speed I/O response and high resolution timers. If you are looking for advanced part transfer or packaging automation on small objects, the Motoman SIA20F FS100 may be just what you need.

For more information about the Motoman SIA20F,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 7
Payload:..... 20 kg
H-Reach:..... 910 mm
Repeatability:±0.1 mm
Robot Mass: 120 kg
Structure: Articulated
Mounting: Floor, Inverted, Angle

Robot Motion Speed

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

Robot Motion Range

S-Axis.....±180°
L-Axis.....±110°
U-Axis.....±170°
R-Axis.....±130°
B-Axis.....±180°
T-Axis.....±110°

Robot Controllers

FS100 >

Robot Applications

Assembly >

Machine Tending >

Material Handling >

Packaging >

Part Transfer >