

Motoman MA3100



The extended reach of the Motoman welding robot MA3100 provides a way to handle complex arc welding applications. The Motoman MA3100 DX100 robot arm can reach around large parts with quick maneuvers. The ability to wall- or ceiling-mount this arm increases flexibility while conserving floorspace. The MA3100 features the new Sigma V AC servo motor control technology and Advanced Robot Motion (ARM) control. Internally routed cables eliminate cable interference and result in improved performance.

This redesigned arm prevents bent or pinched cables and minimizes wire feed problems. MA3100 DX100 Motoman welding robots can also reach into difficult locations with ease. The extra long reach of the Motoman MA3100 often eliminates the need for a track installation.

For more information about the Motoman MA3100,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
 Payload:..... 3 kg
 H-Reach:..... 3121 mm
 Repeatability:±0.15 mm
 Robot Mass: 501 kg
 Structure: Articulated
 Mounting: Floor, Inverted, Angle

Robot Motion Speed

S-Axis.....180 °/s (3.14 rad/s)
 L-Axis.....178 °/s (3.11 rad/s)
 U-Axis.....178 °/s (3.11 rad/s)
 R-Axis.....400 °/s (6.98 rad/s)
 B-Axis.....410 °/s (7.16 rad/s)
 T-Axis.....610 °/s (10.65 rad/s)

Robot Motion Range

S-Axis.....±180°
 L-Axis.....+135° - 90°
 U-Axis.....+251° - 160°
 R-Axis.....±150°
 B-Axis.....+180° - 45°
 T-Axis.....±200°

Robot Controllers

DX100 >

Robot Applications

Arc Welding >

Mig Welding >

Plasma Welding >

Tig Welding >