

Motoman MA1800



If you need a higher payload on your arc welding robot for added flexibility, consider the MA1800 Motoman welding robot. The MA1800 DX100 was designed exclusively for arc welding applications and includes integrated torch cabling and high-performance Sigma servo motors.

A generous 15 kg payload is offered on the Motoman MA1800 for versatility. This enables it to perform non-welding applications such as dispensing and handling. Cables and gas lines can be routed through the robot base to the upper arm. A hollow upper arm allows the MA1800 DX100 to maximize weld performance through optimal bending. This streamlined Motoman MA1800 welding robots are designed to increase torch access into tight spaces.

For more information about the Motoman MA1800,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
Payload:..... 15 kg
H-Reach:..... 1807 mm
Repeatability:±0.08 mm
Robot Mass: 380 kg
Structure: Articulated
Mounting: Floor, Inverted, Angle

Robot Motion Speed

S-Axis.....195 °/s (3.4 rad/s)
L-Axis.....175 °/s (3.05 rad/s)
U-Axis.....190 °/s (3.32 rad/s)
R-Axis.....380 °/s (6.63 rad/s)
B-Axis.....340 °/s (5.93 rad/s)
T-Axis.....560 °/s (9.77 rad/s)

Robot Motion Range

S-Axis.....±180°
L-Axis.....+155° - 100°
U-Axis.....+210° - 175°
R-Axis.....±175°
B-Axis.....+180° - 45°
T-Axis.....±200°

Robot Controllers

DX100 >

Robot Applications

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Plasma Welding >

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Welding Automation >