

Motoman EA1800N



The Motoman welding robot EA1800N is the solution for arc welding large work pieces. This heavy payload manipulator is faster than most standard arc welding robots and allows for specialized sensors to be mounted near the torch. Internal cabling reduces interference and allows for better part access.

Range of motion in EA1800N NX100 Motoman welding robots are expanded through the improved design of the B and T axes. A hollow upper arm optimizes the bend radius of the torch and prevents pinched and stretched cables. The higher payload of this arm allows for use in multiple applications, including dispensing and material handling.

A ceiling/wall mounting option is available for additional flexibility.

**For more information about the Motoman EA1800N,
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.....170 °/s (2.97 rad/s)
 U-Axis.....175 °/s (3.05 rad/s)
 R-Axis.....340 °/s (5.93 rad/s)
 B-Axis.....340 °/s (5.93 rad/s)
 T-Axis.....520 °/s (9.08 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

NX100 >

Robot Applications

Arc Welding >

Dispensing >

MAG Welding >

Mig Welding >

Orbital Welding >

Oxyacetylene Welding >

Plasma Welding >

Submerged Arc Welding >