

## Motoman EA1900N



The Motoman EA1900N is a high-performance welding robot that features an internal cable design that was patented to eliminate cable flip. The standard EA1900N NX100 is floor mounted.

The EA1900N from Motoman offers high quality welding with a sturdy arc and optimum torch positioning. There is also a reduction in programming time, which allows manufacturers to integrate the robot into their production even quicker. And with its slim design, the EA1900N can be set up without taking up a lot of space. The EA1900N NX100 robot uses the NX100 controller which is capable of controlling multiple robots. The use of this controller reduces the cost of integration and eliminates the possibility of robot collisions.

For more information about the Motoman EA1900N,  
contact an RAB Industries representative (586)752-0090.

### Robot Information

#### Robot Specifications

Axes:..... 6  
Payload:..... 3 kg  
H-Reach:..... 1904 mm  
Repeatability:±0.08 mm  
Robot Mass: 280 kg  
Structure: ..... Articulated  
Mounting: .....Floor

#### Robot Motion Speed

S-Axis.....170 °/s (2.97 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° - 110°  
U-Axis.....+255° - 165°  
R-Axis.....±150°  
B-Axis.....+180° - 45°  
T-Axis.....±200°

#### Robot Controllers

NX100

#### Robot Applications

Arc Welding  
MAG Welding  
Orbital Welding

Oxyacetylene Welding  
Plasma Welding  
Submerged Arc Welding