

## Motoman MA3120



The Motoman MA3120 one of the latest Motoman arc welding robots. With a slim design, this high speed robot has a 6 kg payload, 3121 mm horizontal reach and 5615 mm vertical reach.

With that extra long reach, there is no need to lay down tracks for the robot to move on, which improves the versatility of the layout design for manufacturers. The extended reach of the MA3120 allows it to manipulate larger work pieces, especially for industries like the agriculture, automotive, and construction industries.

The Motoman MA3120 comes equipped with the DX200 controller. If you are looking for a reduced cycle time, high quality welds, and a robot you can depend on, the Motoman MA3120 DX200 is an excellent choice.

**For more information about the Motoman MA3120,  
contact a Robotworx representative today at 740-251-4312.**

### Robot Information

#### Robot Specifications

Axes:..... 6  
 Payload:..... 6 kg  
 H-Reach:..... 3121 mm  
 Repeatability:±0.08 mm  
 Robot Mass: 501 kg  
 Structure: ..... Articulated  
 Mounting: ..... Floor

#### 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.....430 °/s (7.5 rad/s)  
 T-Axis.....630 °/s (11 rad/s)

#### Robot Motion Range

S-Axis.....±180°  
 L-Axis.....+135° - 90°  
 U-Axis.....+251° - 160°  
 R-Axis.....±150°  
 B-Axis.....+90° - 135°  
 T-Axis.....±210°

#### Robot Controllers

**DX200** >

#### Robot Applications

**Arc Welding** >  
**Welding Automation** >