

Motoman MA1650T



The reversed lower arm of the Motoman MA1650T allows for a large working envelope while conserving floor space. The through-arm cabling is designed to maximize cable life and improve weld performance. The MA1650T DX100 Motoman welding robot cycle times are reduced as a result of using high performance Sigma V AC servo motor control and Advanced Robot Motion (ARM) control.

The MA1650T was designed with arc welding applications in mind. A feeder cable and welding utilities, such as the gas and air hoses, can be routed through the robot base. A hollow upper arm maintains the optimum bend radius while cable interference is reduced during T-axis rotations. This unique Motoman welder MA1650T DX100 arm design prevents bent, pinched, and stretched cables, minimizes wire feed problems, and optimizes weld performance.

For more information about the Motoman MA1650T,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
 Payload:..... 10 kg
 H-Reach:..... 1653 mm
 Repeatability:±0.08 mm
 Robot Mass: 280 kg
 Structure: Articulated
 Mounting:Inverted

Robot Motion Speed

S-Axis.....200 °/s (3.49 rad/s)
 L-Axis.....175 °/s (3.05 rad/s)
 U-Axis.....200 °/s (3.49 rad/s)
 R-Axis.....400 °/s (6.98 rad/s)
 B-Axis.....360 °/s (6.28 rad/s)
 T-Axis.....600 °/s (10.47 rad/s)

Robot Motion Range

S-Axis.....±180°
 L-Axis.....+155° - 100°
 U-Axis.....+100° - 315°
 R-Axis.....±175°
 B-Axis.....+180° - 45°
 T-Axis.....±360°

Robot Controllers

DX100 >

Robot Applications

Arc Welding >

Mig Welding >

Plasma Welding >

Tig Welding >