

Motoman MS100 II



The MS100 II is a floor-mounted, heavy duty welder with a 100 kg (110 kg without spot harness) a 2,236 mm horizontal reach, 3,751 mm vertical reach, and ± 0.07 mm repeatability. The servo gun cables and air and water lines are routed through the upper arm and base of the robot to help expand the life of the cables, increase safety, and decrease the amount of time it takes to teach. The MS100 II has an expanded wrist motion range that improves application flexibility and helps to get rid of interference.

The MS100 has 70% less power consumption during active periods when compared to previous models. and is 30% faster than traditional size spot welding robots. The MS100 II also has multiple functions to help to make the most out of the servo gun control: work thickness detection, multi-step pressure file, tip wear compensation, etc.

For more information about the Motoman MS100 II,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
Payload:..... 100 kg
H-Reach:..... 2236 mm
Repeatability: ± 0.07 mm
Robot Mass: 655 kg
Structure: Articulated
Mounting: Floor

Robot Motion Speed

S-Axis.....140 °/s (2.44 rad/s)
L-Axis.....110 °/s (1.92 rad/s)
U-Axis.....130 °/s (2.27 rad/s)
R-Axis.....175 °/s (3.05 rad/s)
B-Axis.....175 °/s (3.05 rad/s)
T-Axis.....255 °/s (4.45 rad/s)

Robot Motion Range

S-Axis..... $\pm 180^\circ$
L-Axis..... $+155^\circ - 90^\circ$
U-Axis..... $+160^\circ - 185^\circ$
R-Axis..... $\pm 205^\circ$
B-Axis..... $\pm 120^\circ$
T-Axis..... $\pm 180^\circ$

Robot Controllers

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Robot Applications

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