

## Motoman MS80



This compact Motoman MS80 offers numerous advantages as a spot welding robot. This robot produces fast movements, resulting in shorter cycle times and high throughput. Its smaller size allows it to be placed closer to the workpiece for added flexibility.

The spot welding gun on the MS80 is a lighter, highly efficient DC gun that produces a 50% power savings. Integrated cabling and spot harness reduces interference and programming time. These cables and hoses are proven to last six times longer than traditional harnesses. This not only reduces maintenance, but it also improves the MS80 DX100 robot uptime.

For more information about the Motoman MS80,  
contact a Robotworx representative today at 740-251-4312.

### Robot Information

#### Robot Specifications

Axes:..... 6  
Payload:..... 80 kg  
H-Reach:..... 2061 mm  
Repeatability:  $\pm 0.07$  mm  
Robot Mass: 550 kg  
Structure: ..... Articulated  
Mounting: ..... Floor

#### Robot Motion Speed

S-Axis.....170 °/s (2.97 rad/s)  
L-Axis.....140 °/s (2.44 rad/s)  
U-Axis.....160 °/s (2.79 rad/s)  
R-Axis.....230 °/s (4.01 rad/s)  
B-Axis.....230 °/s (4.01 rad/s)  
T-Axis.....350 °/s (6.11 rad/s)

#### Robot Motion Range

S-Axis..... $\pm 180^\circ$   
L-Axis..... $+120^\circ$  -  $60^\circ$   
U-Axis..... $+90^\circ$  -  $170^\circ$   
R-Axis..... $\pm 205^\circ$   
B-Axis..... $\pm 120^\circ$   
T-Axis..... $\pm 180^\circ$

#### Robot Controllers

DX100 >

#### Robot Applications

Fiberglass Cutting >  
Resistance Welding >

Spot Welding >