

## Motoman MH5S II



The MH5S is a compact, six-axis robot that has high axial speeds and can handle up to a 5 kg payload and work a wide range of tasks from small parts assembly, machine tending, to arc welding. It offers the widest work envelope in its class with a horizontal reach of 706 mm and vertical reach of 1,193 mm. The shortened distances between the B-axis and T-axis helps to enhance the carrying capacity with high moments of inertia.

The MH5S II can save very valuable floor space as it is lightweight and compact making it ideal for tabletop, ceiling, or wall mounts. Additionally, it has a slim upper arm on which valve packs and other auxiliary equipment can still be mounted and internally routed airlines and electrical wires, all of which help to decrease potential interferences and simplify the design.

**For more information about the Motoman MH5S II,  
contact a Robotworx representative today at 740-251-4312.**

### Robot Information

#### Robot Specifications

Axes:..... **6**  
Payload:..... **5 kg**  
H-Reach:..... **706 mm**  
Repeatability: **±0.02 mm**  
Robot Mass: **27 kg**  
Structure: ..... **Articulated**  
Mounting: ..... **Floor, Inverted, Angle**

#### Robot Motion Speed

S-Axis.....**376 °/s (6.56 rad/s)**  
L-Axis.....**350 °/s (6.11 rad/s)**  
U-Axis.....**400 °/s (6.98 rad/s)**  
R-Axis.....**450 °/s (7.85 rad/s)**  
B-Axis.....**450 °/s (7.85 rad/s)**  
T-Axis.....**720 °/s (12.57 rad/s)**

#### Robot Motion Range

S-Axis.....**±170°**  
L-Axis.....**+65° - 150°**  
U-Axis.....**+136° - 255°**  
R-Axis.....**±190°**  
B-Axis.....**±135°**  
T-Axis.....**±360°**

#### Robot Controllers

**DX200** >  
**FS100** >  
**MLX200** >

#### Robot Applications

**Arc Welding** >  
**Assembly** >  
**Machine Tending** >  
**Material Handling** >  
**Packaging** >  
**Part Transfer** >  
**Pick and Place** >