

Motoman MH5LS II



The MH5LS II 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 has an extended lower and upper arm bringing a horizontal reach of 895 mm and a vertical reach of 1,560 mm. The shortened distances between the B-axis and T-axis helps to enhance the carrying capacity with high moments of inertia.

The MH5LS 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 MH5LS II,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
Payload:..... 5 kg
H-Reach:..... 895 mm
Repeatability:±0.03 mm
Robot Mass: 29 kg
Structure: Articulated
Mounting: Floor, Inverted, Angle

Robot Motion Speed

S-Axis.....270 °/s (4.71 rad/s)
L-Axis.....280 °/s (4.89 rad/s)
U-Axis.....300 °/s (5.24 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.....+150° - 65°
U-Axis.....+255° - 138°
R-Axis.....±190°
B-Axis.....±135°
T-Axis.....±360°

Robot Controllers

DX200 >
FS100 >
MLX200 >

Robot Applications

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