

Motoman HP500



The Motoman HP500 features parallel-link construction for strength, rigidity, and stabilization of high moment / inertia loads. Heavy-duty bearings provide smooth arm rotation. Its large payload is combined with a generous reach for increased versatility with extremely heavy loads.

Motoman's patented multiple robot control allows the HP500 robot to position large parts for processing by other robots. This jigless processing is the ultimate form of flexible automation.

The Motoman HP500 features full 6-axis capability for high flexibility and is ideal for diecast handling. It also has an IP67 wrist rating. The HP500 can use either the DX100 or the NX100 controller.

For more information about the Motoman HP500,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
 Payload:..... 500 kg
 H-Reach:..... 2542 mm
 Repeatability:±0.5 mm
 Robot Mass: 2350 kg
 Structure: Articulated
 Mounting: Floor

Robot Motion Speed

S-Axis.....80 °/s (1.4 rad/s)
 L-Axis.....80 °/s (1.4 rad/s)
 U-Axis.....80 °/s (1.4 rad/s)
 R-Axis.....100 °/s (1.75 rad/s)
 B-Axis.....100 °/s (1.75 rad/s)
 T-Axis.....160 °/s (2.79 rad/s)

Robot Motion Range

S-Axis.....±150°
 L-Axis.....+55° - 61°
 U-Axis.....+113° - 30°
 R-Axis.....±360°
 B-Axis.....±125°
 T-Axis.....±360°

Robot Controllers

DX100 >
 NX100 >

Robot Applications

Assembly > Material Handling >
 Fiberglass Cutting > Palletizing >
 Laser Cutting > Pick and Place >
 Machine Tending > Plasma Cutting >