

Motoman MH700



The versatile MH700 is a high performance robot specifically used for heavy duty jobs as it can handle a payload up to 700 kg and multiple materials including ceramics, composites, metals, and polymers. The six-axis MH700 has full capability with parallel link construction which boasts strength, rigidity, and stabilization for any loads bearing high moment or inertia. Cable and air line lives can be increased as they are routed through the robot base to the upper arm. Automating with the MH700 can help rid any inconsistencies that may have previously existed with manual operations with applications such as turning, milling, and grinding.

Other bonuses include a 70% less power consumption during motion, and 25% savings during idle periods. In addition, the safety features are enhanced as it has control reliable software for guarding.

**For more information about the Motoman MH700,
contact a Robotworx representative today at 740-251-4312.**

Robot Information

Robot Specifications

Axes:..... 6
 Payload:..... 700 kg
 H-Reach:..... 2942 mm
 Repeatability:±0.3 mm
 Robot Mass: 3050 kg
 Structure: Articulated
 Mounting:..... Floor

Robot Motion Speed

S-Axis.....82 °/s (1.43 rad/s)
 L-Axis.....82 °/s (1.43 rad/s)
 U-Axis.....82 °/s (1.43 rad/s)
 R-Axis.....80 °/s (1.4 rad/s)
 B-Axis.....80 °/s (1.4 rad/s)
 T-Axis.....162 °/s (2.83 rad/s)

Robot Motion Range

S-Axis.....±180°
 L-Axis.....+61° - 55°
 U-Axis.....+18° - 113°
 R-Axis.....±360°
 B-Axis.....+30° - 25°
 T-Axis.....±360°

Robot Controllers

DX200 >

Robot Applications

Machine Tending >
Material Handling >

Press Tending >