

Motoman HP165-100



The versatile Motoman HP165-100 sets the standard in the large robot market. Superior performance and a minimal footprint are offered by this high-speed robot.

The HP165 powerful design, together with Motoman's patented multiple robot control capability, allows the robot to be used as a 6-axis part positioner to achieve unmatched automation flexibility. The Motoman HP165-100 NX100 offers the widest working envelope and highest repeatability in its class.

A special variant, the Motoman HP165XP-100 NX 100, is designed specifically for the rigors of die casting applications.

**For more information about the Motoman HP165-100,
contact a Robotworx representative today at 740-251-4312.**

Robot Information

Robot Specifications

Axes:..... **6**
Payload:..... **100 kg**
H-Reach:..... **3010 mm**
Repeatability: **±0.2 mm**
Robot Mass: **1120 kg**
Structure: **Articulated**
Mounting: **Floor**

Robot Motion Speed

S-Axis.....**110 °/s (1.92 rad/s)**
L-Axis.....**110 °/s (1.92 rad/s)**
U-Axis.....**110 °/s (1.92 rad/s)**
R-Axis.....**175 °/s (3.05 rad/s)**
B-Axis.....**145 °/s (2.53 rad/s)**
T-Axis.....**240 °/s (4.19 rad/s)**

Robot Motion Range

S-Axis.....**±180°**
L-Axis.....**+76° - 60°**
U-Axis.....**+230° - 142.5°**
R-Axis.....**±360°**
B-Axis.....**±130°**
T-Axis.....**±360°**

Robot Controllers

NX100 >

Robot Applications

Fiberglass Cutting >
Foundry >

Material Handling >