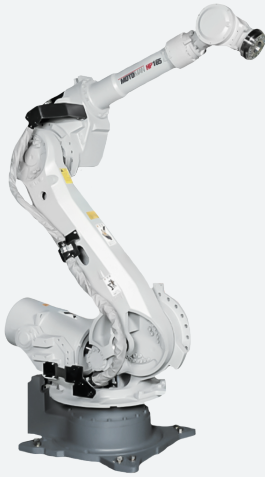


Motoman HP165



The Motoman HP165 sets the standard for versatility in the large robot market. This high-speed robot offers minimal footprint and superior performance in both spot welding and heavy payload handling applications.

The powerful design of the HP165 NX100, 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 work envelope extends behind the body, allowing tools to be placed behind the robot and providing easy access to tools for maintenance.

The standard HP165 robot is floor-mounted, but the shelf-mounted version, HP165R NX100, is available for layout flexibility.

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

Robot Information

Robot Specifications

Axes:..... **6**
 Payload:..... **165 kg**
 H-Reach:..... **2651 mm**
 Repeatability:**±0.2 mm**
 Robot Mass: **1100 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

- | | |
|--------------------------------|-------------------------------------|
| Deburring > | Grinding > |
| Drilling > | Injection Molding > |
| Fiberglass Cutting > | Machine Loading/Tending > |
| Foundry > | Material Handling > |