

## Motoman HP20-6



The Motoman HP20-6 is a dynamic, high speed robot with a compact design and built-in collision avoidance. The Motoman HP 20-6 NX100 is compact and requires minimal installation space. It also offers the widest working envelope in its class. This versatile high-speed industrial robot has a slim base, waist, and arm. This design allows the robot to be placed close to the workpiece holding fixtures to improve part accessibility.

The HP20-6 Motoman robot features the advanced NX100 Controller. This high-performance controller uses the user-friendly INFORM III programming language. The NX100 offers unmatched multiple robot control capabilities that minimizes the cost of integration and eliminates the risk of robot collisions.

For more information about the Motoman HP20-6,  
contact a Robotworx representative today at 740-251-4312.

## Robot Information

### Robot Specifications

Axes:..... 6  
Payload:..... 6 kg  
H-Reach:..... 1915 mm  
Repeatability:±0.06 mm  
Robot Mass: 285 kg  
Structure: ..... Articulated  
Mounting: ..... Floor

### Robot Motion Speed

S-Axis.....170 °/s (2.97 rad/s)  
L-Axis.....170 °/s (2.97 rad/s)  
U-Axis.....175 °/s (3.05 rad/s)  
R-Axis.....355 °/s (6.2 rad/s)  
B-Axis.....345 °/s (6.02 rad/s)  
T-Axis.....525 °/s (9.16 rad/s)

### Robot Motion Range

S-Axis.....±180°  
L-Axis.....+155° - 110°  
U-Axis.....+255° - 165°  
R-Axis.....±200°  
B-Axis.....+230° - 150°  
T-Axis.....±360°

### Robot Controllers

NX100 >

### Robot Applications

Arc Welding >

Drilling >

Grinding >

Machine Tending >

Material Handling >

Packaging >

Pick and Place >

Plasma Cutting >