

Motoman HP5



The Motoman HP5 is a compact, extra high-speed robot that does not require a large installation space. The HP-5 has a higher payload of 5 kg. The HP 5 NX100 robot offers superior performance in small part applications such as assembly, dispensing, packaging, material handling, and machine tending.

Due to its small footprint, the Motoman HP5 NX 100 can be floor, wall, or ceiling-mounted. The compact design and built-in collision avoidance features with multiple robot control allow up to four robots to be used together to maximize productivity while reducing overall floorspace requirements. Multiple robot control simplifies programming and eliminates cable interference.

For more information about the Motoman HP5,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
Payload:..... 5 kg
H-Reach:..... 701 mm
Repeatability:±0.03 mm
Robot Mass: 47 kg
Structure: Articulated
Mounting: Floor, Inverted, Angle

Robot Motion Speed

S-Axis.....250 °/s (4.36 rad/s)
L-Axis.....180 °/s (3.14 rad/s)
U-Axis.....225 °/s (3.93 rad/s)
R-Axis.....375 °/s (6.54 rad/s)
B-Axis.....375 °/s (6.54 rad/s)
T-Axis.....500 °/s (8.73 rad/s)

Robot Motion Range

S-Axis.....±170°
L-Axis.....+150° - 45°
U-Axis.....+210° - 152°
R-Axis.....±190°
B-Axis.....±125°
T-Axis.....±360°

Robot Controllers

NX100 >
NXC100 >
NXM100 >

Robot Applications

Arc Welding >	Material Handling >
Bonding / Sealing >	Pick and Place >
Dispensing >	Press Tending >
Machine Loading >	Welding Automation >