

Motoman HP3



The Motoman HP3 is a compact, high-speed robot with a small footprint. Ideal for installation in small spaces, the HP3 offers superior performance in small part applications such as assembly, dispensing, packaging, material handling, and machine tending.

The compact design of the new and used Motoman HP3 allows for it to be floor, wall, or ceiling-mounted. It has built-in collision avoidance features with multiple robot control to allow up to four robots to be used together. This maximizes productivity while reducing overall floorspace requirements.

The HP3 features the advanced NX100 controller. The NX100 high-performance controller features the easy-to-use INFORM II programming language and robust PC architecture.

For more information about the Motoman HP3, contact a T.I.E. Industrial representative today at 877-762-6881.

Robot Information

Robot Specifications

Axes:..... **6**
 Payload:..... **3 kg**
 H-Reach:..... **701 mm**
 Repeatability: **±0.03 mm**
 Robot Mass: **37 kg**
 Structure: **Articulated**
 Mounting: **Floor, Inverted, Angle**

Robot Motion Speed

S-Axis.....**210 °/s (3.67 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° - 142°**
 R-Axis.....**±190°**
 B-Axis.....**±125°**
 T-Axis.....**±360°**

Robot Controllers

- NX100 >**
- NXC100 >**
- NXM100 >**

Robot Applications

- Arc Welding >**
- Machine Loading/Tending >**
- Assembly >**
- Material Handling >**
- Dispensing >**
- Pick and Place >**
- Injection Molding >**
- Welding Automation >**