

Motoman HP20RD



The HP20RD is designed exclusively for injection molding applications. A high level of repeatability, coupled with the increased speed of this model, allow the robot to perform its tasks efficiently, without cutting out quality.

The HP20RD has a compact design, as mentioned above, along with advanced collision avoidance, and the ability to control up to 8 robots at a time. This means that HP20RD robots can work together to provide maximum performance in injection molding applications, while using minimal floor space.

For more information about the Motoman HP20RD,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
Payload:..... 20 kg
H-Reach:..... 2017 mm
Repeatability:±0.06 mm
Robot Mass: 293 kg
Structure: Articulated
Mounting: Floor

Robot Motion Speed

S-Axis.....180 °/s (3.14 rad/s)
L-Axis.....175 °/s (3.05 rad/s)
U-Axis.....187 °/s (3.26 rad/s)
R-Axis.....400 °/s (6.98 rad/s)
B-Axis.....400 °/s (6.98 rad/s)
T-Axis.....600 °/s (10.47 rad/s)

Robot Motion Range

S-Axis.....+125° - 110°
L-Axis.....+105° - 130°
U-Axis.....+310° - 115°
R-Axis.....±200°
B-Axis.....±140°
T-Axis.....±360°

Robot Controllers

DX100 >

Robot Applications

Dispensing >
Fiberglass Cutting >
Machine Tending >

Material Handling >
Material Removal >