

Motoman HP165R



The Motoman HP165R is the shelf-mount version of the Motoman HP165. On shelf-mounted robots, such as Motoman HP 165R NX100, axis 2 is located further forward to increase the depth of the work envelope in a downward direction.

The new and used Motoman HP165R has advanced Sigma III motors that provide a powerful performance with a slim design that is able to work at the highest repeatability in its class. This model can perform press tending, machine tending, and material handling applications.

For more information about the Motoman HP165R,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
Payload:..... 165 kg
H-Reach:..... 3140 mm
Repeatability:±0.2 mm
Robot Mass: 1540 kg
Structure: Articulated
Mounting: Floor

Robot Motion Speed

S-Axis.....105 °/s (1.83 rad/s)
L-Axis.....105 °/s (1.83 rad/s)
U-Axis.....105 °/s (1.83 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.....+80° - 130°
U-Axis.....+208° - 112°
R-Axis.....±360°
B-Axis.....±130°
T-Axis.....±360°

Robot Controllers

NX100 >

Robot Applications

Fiberglass Cutting >

Foundry >

Machine Tending >

Material Handling >

Spot Welding >