

## Motoman MH165-100



The versatile MH165-100 robot is fast, flexible, and powerful as it can tackle heavy payloads of up to 100 kg. It is a six-axis, floor mounted robot that has a large work envelope because of its reaches of 4,091 mm vertical, and 3,010 mm horizontal. The axial speeds are fast, helping to reduce cycle times and increase the overall output of production. Overall, the robot is slim which helps it reach into tight spaces, when necessary.

The MH165-100 is paired with the powerful DX100 controller that offers fast ethernet communications and can eliminate need for costly PLCs or HMIs. This controller has a multiple robot control that supports up to 8 robots/72 axes.

For more information about the Motoman MH165-100, contact a Robotworx representative today at 740-251-4312.

### Robot Information

#### Robot Specifications

Axes:..... 6  
 Payload:..... 100 kg  
 H-Reach:..... 3010 mm  
 Repeatability:±0.2 mm  
 Robot Mass: 1120 kg  
 Structure: ..... Articulated  
 Mounting: ..... Floor

#### Robot Motion Speed

S-Axis.....110 °/s (1.92 rad/s)  
 L-Axis.....110 °/s (1.92 rad/s)  
 U-Axis.....110 °/s (1.92 rad/s)  
 R-Axis.....175 °/s (3.05 rad/s)  
 B-Axis.....150 °/s (2.62 rad/s)  
 T-Axis.....240 °/s (4.19 rad/s)

#### Robot Motion Range

S-Axis.....±180°  
 L-Axis.....+76° - 60°  
 U-Axis.....+230° - 142.5°  
 R-Axis.....±360°  
 B-Axis.....±130°  
 T-Axis.....±360°

#### Robot Controllers

DX100 >

#### Robot Applications

Machine Tending >  
 Material Handling >

Press Tending >