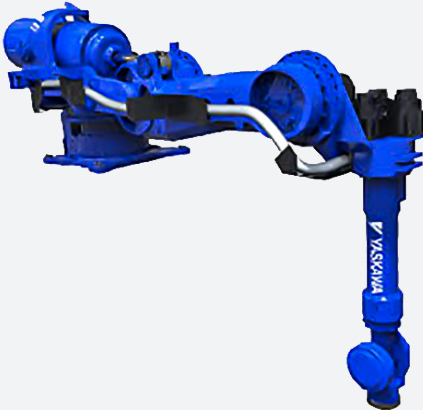


Motoman ES165RD II



The six-axis ES165RD II is a high-speed, shelf-mounted robot that is designed for optimal performance for heavy loads (up to 165kg) and machine/press tending applications. The cable and air lines will have a longer life as they are routed through the robot base to the upper arm. This design, and the Functional Safety Unit integrated into the DX200 controller, are key safety features.

The ES165RD II can be used for loading and unloading of parts, can help with "jigless" applications, and can handle multiple types of materials such as ceramics, composites, metals, and polymers. Also, the ES165RD II has excellent acceleration and fast axial speeds that will increase the overall throughput. Amazingly enough, these high speeds take up 70% less power consumption during motion, and 25% during idle periods compared to previous models.

**For more information about the Motoman ES165RD II,
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: **1730 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.....**150 °/s (2.62 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

DX200 >

Robot Applications

Machine Tending >

Material Handling >

Press Tending >