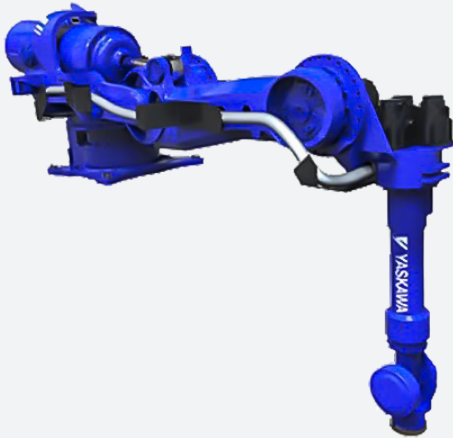


## Motoman ES165RN



The Motoman ES165RN is a shelf-mounted robot designed to handle applications such as spot welding and material handling. A shelf-mounted robot, like the ES165RN NX100 is designed to easily reach under and behind the robot body. The advantage of a shelf-mount robot, such as the ES165RN NX100 is the increase of work area without increasing the size of the robot. This robot has a massive vertical reach because the shelf mount allows it to reach below its own base. That level of reach can really allow versatility in a production layout.

For more information about the Motoman ES165RN,  
contact a Robotworx representative today at 740-251-4312.

### Robot Information

#### Robot Specifications

Axes:..... 6  
Payload:..... 165 kg  
H-Reach:..... 3140 mm  
Repeatability:  $\pm 0.2$  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..... $\pm 180^\circ$   
L-Axis..... $+80^\circ - 130^\circ$   
U-Axis..... $+208^\circ - 112^\circ$   
R-Axis..... $\pm 360^\circ$   
B-Axis..... $\pm 130^\circ$   
T-Axis..... $\pm 360^\circ$

#### Robot Controllers

NX100 >

#### Robot Applications

Fiberglass Cutting >  
Material Handling >

Resistance Welding >  
Spot Welding >