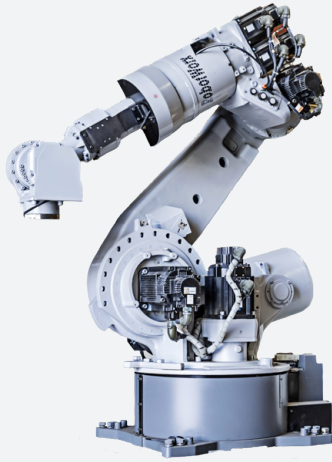


Motoman ES165D



The six-axis Motoman ES165D "expert spot" welding robot provides fast, accurate, spot welding to users in all industries. Servo motors power the axes and arms of the ES165D to extend to a maximum 3,372 mm vertical reach and a 2,651 mm horizontal reach. The ES165D DX100 robot's axes have maximum speeds ranging from 110 degrees/second to 240 degrees/second, making it the fastest spot welding robot in the ES series. It is controlled by the Motoman DX100 controller and can manipulate up to 165 kg.

End of arm tooling (EOAT), such as weld guns, can be stored behind the Motoman ES165D robot's body for easy maintenance access. Smaller Motoman spot welding robots, can be utilized alongside the ES165D DX100 robot to increase throughput by decreasing production time.

For more information about the Motoman ES165D, contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
 Payload:..... 165 kg
 H-Reach:..... 2651 mm
 Repeatability: ±0.2 mm
 Robot Mass: 1100 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.....145 °/s (2.53 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.....±205°
 B-Axis.....±120°
 T-Axis.....±200°

Robot Controllers

DX100 >

Robot Applications

- Fiberglass Cutting >
- Machine Loading >
- Machine Tending >
- Material Handling >
- Press Tending >
- Resistance Welding >
- Spot Welding >
- Welding Automation >