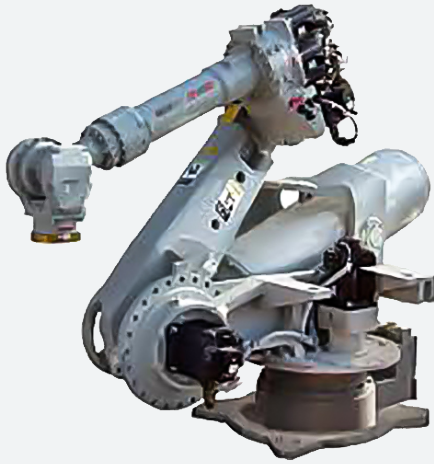


Motoman ES165RD



The Motoman ES165RD spot welding robot provides manufacturers with an easy way to automate while saving floor space. The ES165RD DX100 is a six-axis, shelf-mounted robot. Manufacturers can install the robot where it suits production best. Exceptional repeatability, long horizontal and vertical reach, and the ability to be shelf-mounted allow the ES165RD to spot weld parts that might be inaccessible to other robots. Also, the ES165RD DX100 robot is the fastest shelf-mounted robot in its series.

For safety, all six axes are equipped with brakes. Additionally, the DX100 controller features a dual-channel emergency stop pushbuttons and a manual brake release. A category three functional safety unit can also be integrated in the ES165RD for added safety.

For more information about the Motoman ES165RD,
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.....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

DX100 >

Robot Applications

Fiberglass Cutting >
Injection Molding >
Machine Loading >
Machine Tending >

Material Handling >
Packaging >
Palletizing >
Spot Welding >