

Motoman ES280D



The Motoman ES280D robot boasts an impressive 280kg maximum payload capacity. Material handling, machine tending, and jigless welding are no problem for the ES280D DX100. A 2,446 mm horizontal reach gives this robot a large work envelope. The slim arm design allows the Motoman ES280D robot speed in performing tasks, which reduces cycle time and improves throughput. Even with these features, repeatability and maximum motion range are still excellent.

The new and used ES280D is controlled by Motoman's DX100 controller. This controller features a Windows CE programming pendant equipped with a color touch screen for usability.

For more information about the Motoman ES280D,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
Payload:..... 280 kg
H-Reach:..... 2446 mm
Repeatability: ± 0.2 mm
Robot Mass: 1120 kg
Structure: Articulated
Mounting: Floor

Robot Motion Speed

S-Axis.....90 °/s (1.57 rad/s)
L-Axis.....80 °/s (1.4 rad/s)
U-Axis.....90 °/s (1.57 rad/s)
R-Axis.....115 °/s (2.01 rad/s)
B-Axis.....110 °/s (1.92 rad/s)
T-Axis.....190 °/s (3.32 rad/s)

Robot Motion Range

S-Axis..... $\pm 180^\circ$
L-Axis..... $+76^\circ - 60^\circ$
U-Axis..... $+230^\circ - 142.5^\circ$
R-Axis..... $\pm 360^\circ$
B-Axis..... $\pm 125^\circ$
T-Axis..... $\pm 360^\circ$

Robot Controllers

DX100 >

Robot Applications

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

Material Handling >

Press Tending >
Spot Welding >