

Motoman MPL300 II



The versatile MPL300 II is a 4-axis, high performance robot that has a payload of 300 kg, extensive reach of 3,024 mm vertical, 3,159 mm horizontal reach, and a ± 0.5 mm repeatability. This reach allows the MPL300 II to build loads up to 102 inches tall with standard 48 in. x 40 in. pallets. It is the perfect robot to handle numerous palletizing jobs such as case palletizing, bag palletizing, de-palletizing, layer forming, and layer picking.

The wrist of the MPL300 II is hollow which allows flexibility to connect an EOAT enabling a wide range of motion without any interference. The robot base has cable installation to help allow the field bus routing to the upper arm/gripper. Also, the T-axis features high allowable moment of inertia, easing the ability to handle asymmetric loads without the compromise of speed or performance.

For more information about the Motoman MPL300 II, contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 4
 Payload:..... 300 kg
 H-Reach:..... 3159 mm
 Repeatability: ± 0.5 mm
 Robot Mass: 1820 kg
 Structure: Articulated
 Mounting: Floor

Robot Motion Speed

S-Axis.....90 °/s (1.57 rad/s)
 L-Axis.....100 °/s (1.75 rad/s)
 U-Axis.....110 °/s (1.92 rad/s)
 T-Axis.....195 °/s (3.4 rad/s)

Robot Motion Range

S-Axis..... $\pm 180^\circ$
 L-Axis..... $+90^\circ - 45^\circ$
 U-Axis..... $+15.5^\circ - 120^\circ$
 T-Axis..... $\pm 360^\circ$

Robot Controllers

DX200 >
 MLX200 >

Robot Applications

Material Handling > Pick and Place >
 Palletizing >