

Motoman MPL100 II



The versatile MPL 100 II is a 5-axis, high performance robot that has a payload of 100 kg with cabling flange, and 115 kg without cabling flange. It can tackle numerous palletizing jobs such as case palletizing, bag palletizing, layer forming, pallet handling, order picking, or tasks for end-of-line or distribution center automation. The reach of the robot (3,149 mm vertical, with 2,150 mm horizontal) allows the MPL 100 II to build loads up to 102 inches tall with standard 48 in. x 40 in. pallets.

The wrist of the robot 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 MPL100 II,
contact a Robotworx representative today at 740-251-4312.**

Robot Information

Robot Specifications

Axes:..... 5
Payload:..... 100 kg
H-Reach:..... 2150 mm
Repeatability: ± 0.2 mm
Robot Mass: 950 kg
Structure: Articulated
Mounting: Floor

Robot Motion Speed

S-Axis.....125 °/s (2.18 rad/s)
L-Axis.....88 °/s (1.54 rad/s)
U-Axis.....125 °/s (2.18 rad/s)
B-Axis.....175 °/s (3.05 rad/s)
T-Axis.....265 °/s (4.63 rad/s)

Robot Motion Range

S-Axis..... $\pm 180^\circ$
L-Axis..... $+60^\circ - 76^\circ$
U-Axis..... $+147^\circ - 40^\circ$
B-Axis..... $\pm 15^\circ$
T-Axis..... $\pm 210^\circ$

Robot Controllers

DX200 >

Robot Applications

Palletizing >