

Motoman VA1400



The Motoman welding robot VA1400 is a redesigned arc welding robot that features 7 axes of motion and through arm cabling. This 3 kg payload robot arm is well-suited for high-density workcells and applications that require access to parts in small spaces. The seventh axis on the Motoman VA1400 DX100 often makes it possible to consolidate cells and simplify equipment for eliminating the need for a part positioner.

For more information about the Motoman VA1400,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 7
Payload:..... 3 kg
H-Reach:..... 1434 mm
Repeatability:±0.08 mm
Robot Mass: 150 kg
Structure: Articulated
Mounting: Floor, Inverted, Angle

Robot Motion Speed

S-Axis.....220 °/s (3.84 rad/s)
L-Axis.....200 °/s (3.49 rad/s)
U-Axis.....220 °/s (3.84 rad/s)
R-Axis.....410 °/s (7.16 rad/s)
B-Axis.....410 °/s (7.16 rad/s)
T-Axis.....610 °/s (10.65 rad/s)

Robot Motion Range

S-Axis.....±170°
L-Axis.....+148° - 70°
U-Axis.....+150° - 175°
R-Axis.....±150°
B-Axis.....+180° - 45°
T-Axis.....±200°

Robot Controllers

DX100 >

Robot Applications

Arc Welding >

Mig Welding >

Plasma Welding >

Tig Welding >