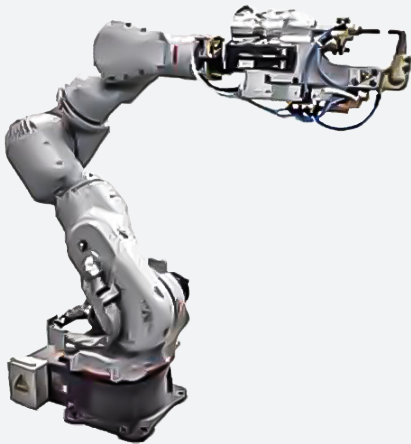


Motoman VS50



The unique slim design of the VS50 robot arm is optimized for automotive welding applications. It uses DC spot guns with compact servo actuators. This design allows the VS50 DX100 to be installed close to other machinery without interference and results in shorter production lines. The seven degrees of motion on the Motoman VS50 DX100 introduces the ability to reorient the manipulator axes without changing the gun position. A compact build and faster base axis shortens the TAKT time and results in higher throughput. An integrated spot harness facilitates programming and reduces maintenance. High performance compact servo guns provide the clamping force and current capacity of larger guns.

The Motoman VS50 is interfaced with the Motoman DX100 robot controller. This controller has the ability to control up to 8 robots and 72 axes. It works with Windows CE to ease programming.

**For more information about the Motoman VS50,
contact a Robotworx representative today at 740-251-4312.**

Robot Information

Robot Specifications

Axes:..... 7
Payload:..... 50 kg
H-Reach:..... 1630 mm
Repeatability: ± 0.1 mm
Robot Mass: 640 kg
Structure: Articulated
Mounting: Floor

Robot Motion Speed

S-Axis.....170 °/s (2.97 rad/s)
L-Axis.....130 °/s (2.27 rad/s)
U-Axis.....130 °/s (2.27 rad/s)
R-Axis.....130 °/s (2.27 rad/s)
B-Axis.....130 °/s (2.27 rad/s)
T-Axis.....200 °/s (3.49 rad/s)

Robot Motion Range

S-Axis..... $\pm 180^\circ$
L-Axis..... $+125^\circ - 60^\circ$
U-Axis..... $+215^\circ - 35^\circ$
R-Axis..... $\pm 170^\circ$
B-Axis..... $\pm 125^\circ$
T-Axis..... $\pm 180^\circ$

Robot Controllers

DX100 >

Robot Applications

Fiberglass Cutting >
Resistance Welding >

Spot Welding >