

Motoman SDA5D



The Motoman SDA5D assembly robot provides "human-like" flexibility in assembly applications. The Motoman SDA5D DX100 has 2 arms, 7 axes per arm, and 1 axis for base rotation. The arms can work together to double their payload capacity to 10 kg (5 kg per arm), which is the lowest payload in the SDA series, or they can work separately to accelerate assembly, part transfer, machine tending, packaging, or other handling applications. Cables and hoses are routed internally in the SDA5D DX100 to reduce wear and simplify programming.

With an 845 mm horizontal reach, 1,118 mm vertical reach, and 0.06 mm repeatability, the Motoman SDA5D DX100 robot performs tasks that used to be completed only by humans. This dual-armed robot provides efficiency and savings in an increasingly automated world.

For more information about the Motoman SDA5D,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 15
Payload:..... 5 kg
H-Reach:..... 1690 mm
Repeatability:±0.08 mm
Robot Mass: 110 kg
Structure: Articulated
Mounting: Floor

Robot Motion Speed

S-Axis.....200 °/s (3.49 rad/s)
L-Axis.....200 °/s (3.49 rad/s)
U-Axis.....200 °/s (3.49 rad/s)
R-Axis.....200 °/s (3.49 rad/s)
B-Axis.....230 °/s (4.01 rad/s)
T-Axis.....360 °/s (6.28 rad/s)

Robot Motion Range

S-Axis.....+90° - 270°
L-Axis.....±110°
U-Axis.....+115° - 90°
R-Axis.....±180°
B-Axis.....±110°
T-Axis.....±180°

Robot Controllers

DX100 >

Robot Applications

Assembly >	Material Handling >
Dispensing >	Order Picking >
Injection Molding >	Packaging >
Machine Loading/Tending >	Part Transfer >