

## Motoman SV3X



The Motoman SV3X features a 677 mm reach and offers the widest work envelope in its class. Six axes and a 3 kg payload make the SV3X XRC suitable for performing applications such as material handling, assembly, packaging, machine tending, and arc welding.

The flexibility in the work envelope and the versatility in the application functionality of the SV3X make it a perfect choice for many different industrial shops. The versatility is further stretched by the ability to mount the SV3X on a table, on a track, or on a platform. This robot is an expert low payload handler that specializes in small parts.

For more information about the Motoman SV3X,  
contact a Robotworx representative today at 740-251-4312.

## Robot Information

### Robot Specifications

Axes:..... 6  
Payload:..... 3 kg  
H-Reach:..... 677 mm  
Repeatability:  $\pm 0.03$  mm  
Robot Mass: 30 kg  
Structure: ..... Articulated  
Mounting: ..... Floor, Inverted, Angle

### Robot Motion Speed

S-Axis.....210 °/s (3.67 rad/s)  
L-Axis.....170 °/s (2.97 rad/s)  
U-Axis.....225 °/s (3.93 rad/s)  
R-Axis.....300 °/s (5.24 rad/s)  
B-Axis.....300 °/s (5.24 rad/s)  
T-Axis.....420 °/s (7.33 rad/s)

### Robot Motion Range

S-Axis..... $\pm 170^\circ$   
L-Axis..... $+150^\circ - 45^\circ$   
U-Axis..... $+190^\circ - 70^\circ$   
R-Axis..... $\pm 180^\circ$   
B-Axis..... $\pm 135^\circ$   
T-Axis..... $\pm 350^\circ$

### Robot Controllers

XRC >

### Robot Applications

Arc Welding >

Machine Tending >

Material Handling >

Pick and Place >