

Motoman CR3



The Motoman CR3 Clean Robot is a six-axis, vertically-articulated robot made for cleanroom applications. The new and used C-3 is Class 1 approved for the highest clean environmental conditions, according to Federal standards. It has a wide freedom of movement for handling work. With 6 degrees of freedom, this robot is able to handle workpieces in situations where 2- or 3- axis horizontal type robots would have difficulty.

The Motoman CR3 is built to handle a variety of handling applications in a clean environment. Nine cables for tool operation and three air lines run up to the wrist and are built-in to eliminate dust. Two internal solenoid valves also serve for tool operation. The Motoman CR3 has a high degree of freedom for handling wafer cassettes, hard disk cassettes, and small LCDs. The CR3 can use the JRC, MRC, or the XRC controllers.

**For more information about the Motoman CR3,
contact a Robotworx representative today at 740-251-4312.**

Robot Information

Robot Specifications

Axes:..... **6**
Payload:..... **3 kg**
H-Reach:..... **694 mm**
Repeatability: **±0.03 mm**
Robot Mass: **30 kg**
Structure: **Articulated**
Mounting: **Floor**

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.....**±170°**
L-Axis.....**+150° - 45°**
U-Axis.....**+190° - 75°**
R-Axis.....**±165°**
B-Axis.....**±135°**
T-Axis.....**±350°**

Robot Controllers

JRC >
MRC >
XRC >

Robot Applications

Cleanroom > Material Handling >
Dispensing > Pick and Place >