

## ABB IRB 5400



The ABB IRB 5400 is engineered to offer precise painting, high uptime, low paint utilization, short cycle times for successful integration. The ABB IRB 5400 is equipped with closed loop regulation and high-speed control for paint and airflow adjustment which leads to diminished overspray and secures an unvarying film build up. The electric motor, articulated ABB IRB 5400 robot can be rail-mounted, with minimal disturbance of booth air flow.

The easily programmed IRB 5400 series of robots have a slim arm, flexible hollow wrist and powerful mechanics and drive systems. The robot is designed with a large work envelope and high load capacity. These characteristics lead to high acceleration and high speeds for the robot. Most applications using the ABB IRB 5400 robot produce uniform performances.

For more information about the ABB IRB 5400,  
contact a Robotworx representative today at 740-251-4312.

### Robot Information

#### Robot Specifications

Axes:..... 6  
Payload:..... 15 kg  
H-Reach:..... 1620 mm  
Repeatability:  $\pm 0.15$  mm  
Robot Mass: 790 kg  
Structure: ..... Articulated  
Mounting: ..... Floor

#### Robot Motion Speed

Axis 1.....137 °/s (2.39 rad/s)  
Axis 2.....137 °/s (2.39 rad/s)  
Axis 3.....137 °/s (2.39 rad/s)  
Axis 4.....440 °/s (7.68 rad/s)

#### Robot Motion Range

Axis 1..... $\pm 300^\circ$   
Axis 2..... $\pm 160^\circ$   
Axis 3..... $\pm 150^\circ$   
Axis 4..... $\pm 920^\circ$

#### Robot Controllers

IRC5P >  
S4C >

#### Robot Applications

Coating >  
Painting Automation >