

## ABB IRB 2000



The ABB IRB 2000 is designed for fast acceleration, deceleration and top-end-speed, with a slender arm that has a reach of more than 1.5m (5 ft) and up to 3m when mounted overhead allowing for a large working envelope. When track or pedestal mounted, the IRB 2000 IRC5 can be utilized for production applications like palletizing.

The IRB 2000 has 6 axes of movement, a handling capacity of 10kg (22 lbs), and when coupled with the AC servo-drive system it improves movement by up to 30 Percent.

For more information about the ABB IRB 2000, contact a Robotworx representative today at 740-251-4312.

### Robot Information

#### Robot Specifications

Axes:..... 6  
 Payload:..... 10 kg  
 H-Reach:..... 1542 mm  
 Repeatability: ±0.1 mm  
 Robot Mass: 350 kg  
 Structure: ..... Articulated  
 Mounting: ..... Floor

#### Robot Motion Speed

Axis 1.....115 °/s (2.01 rad/s)  
 Axis 2.....115 °/s (2.01 rad/s)  
 Axis 3.....115 °/s (2.01 rad/s)  
 Axis 4.....280 °/s (4.89 rad/s)  
 Axis 5.....300 °/s (5.24 rad/s)  
 Axis 6.....280 °/s (4.89 rad/s)

#### Robot Motion Range

Axis 1.....±179°  
 Axis 2.....+100° - 100°  
 Axis 3.....±80°  
 Axis 4.....±200°  
 Axis 5.....±120°  
 Axis 6.....±200°

#### Robot Controllers

IRC5 >

#### Robot Applications

Arc Welding >  
 Cleanroom >

Material Handling >  
 Thermal Spray >