

## ABB IRB 4600-45



The 6-axis ABB IRB 4600-45 is proof that amazing things come in small packages. The compact design and flexible mounting options (floor, tilted, semi-shelf, or inverted) ensure space saving options and the small footprint of manufacturing cells. Your productivity and overall production capacity will increase substantially, cutting cycle times by up to 25%. The IRB 4600-45 can handle a payload of up to 45 kg and a reach of 2050 mm.

If your production line requires additional protection options, there are quite a few available such as: resistant paint, rust protected mountain flange, and protection for molten metal spits on non-moving cables, and extra protection plates over the floor cable connections on the foot. Combining the power of the IRB 4600-45 with the intuitive IRC5 controller is production opportunity you don't want to miss out on!

**For more information about the ABB IRB 4600-45, contact a Robotworx representative today at 740-251-4312.**

### Robot Information

#### Robot Specifications

Axes:..... 6  
 Payload:..... 45 kg  
 H-Reach:..... 2050 mm  
 Repeatability: ± 0.05 mm  
 Robot Mass: 412 kg  
 Structure: ..... Articulated  
 Mounting: ..... Floor, Inverted, Angle

#### Robot Motion Speed

Axis 1.....175 °/s (3.05 rad/s)  
 Axis 2.....175 °/s (3.05 rad/s)  
 Axis 3.....175 °/s (3.05 rad/s)  
 Axis 4.....250 °/s (4.36 rad/s)  
 Axis 5.....250 °/s (4.36 rad/s)  
 Axis 6.....360 °/s (6.28 rad/s)

#### Robot Motion Range

Axis 1.....±180°  
 Axis 2.....+150° - 90°  
 Axis 3.....+75° - 180°  
 Axis 4.....±400°  
 Axis 5.....+120° - 125°  
 Axis 6.....±400°

#### Robot Controllers

IRC5 >

#### Robot Applications

Arc Welding >  
 Assembly >  
 Cutting >  
 Dispensing >

Machine Tending >  
 Material Handling >  
 Packaging >  
 Palletizing >