

## ABB IRB 4600-40



The 4600-40 has flexible mounting (floor, tilted, semi-shelf, or inverted) and is very compact. The compact design includes a slim swing base radius around axis 1, fine elbow behind axis 3, small lower and upper arms, and a very compact wrist. This allows you to place the robot closer to the served machines, further increasing your output and productivity. For these reasons and more, the IRB 4600-40 is sure to offer space saving options and ultimately help to shrink the footprint of your manufacturing cells.

In order to guarantee that your investment is protected, you can choose from a variety of options available such as Foundry Plus (IP67), 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.

**For more information about the ABB IRB 4600-40,  
contact a Robotworx representative today at 740-251-4312.**

### Robot Information

#### Robot Specifications

Axes:..... **6**  
Payload:..... **40 kg**  
H-Reach:..... **2550 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 >**