

ABB IRB 4600-20



The ABB IRB 4600-20 achieves the highest in its class speeds and acceleration with its working payload of up to 20 kg and reach of 2510 mm. The IRB 4600-20 can cut cycle times by up to 25%, offering you a higher production output. It also provides a wide working range with its flexible mounting (floor, tilted, semi-shelf, or inverted).

There is a great comprehensive protection program available that will further enhance your IRB 4600. The protection options include: Foundry Plus (IP67), resistant paint, rust protected mountain flange, and protection for molten metal spits on non-moving cables, extra protection plates over the floor cable connections on the foot. The IRB 4600-20 uses the advanced and intuitive IRC5 controller and is sure to improve your overall productivity.

For more information about the ABB IRB 4600-20,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
 Payload:..... 20 kg
 H-Reach:..... 2510 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 >