

ABB IRB 120



The ABB IRB 120 is the smallest robot available in the ABB lineup. At just 25kg, it manages to outperform larger counterparts and offers features not found elsewhere. It can be mounted virtually anywhere, including on top of other machines. The ABB IRB120 robot is portable and easily integrated.

The new and used ABB IRB-120 IRC5 is useful in industries such as the electronic, food and beverage, solar, pharmaceutical, medical, and research areas. This compact six-axis robot can handle payload of up to 3kg. With the ability to be mounted at any angle, the IRB 120 IRC 5 is ideal for placement into tight spots. Cables are routed inside the arm to eliminate interference and ensure integration flexibility.

For more information about the ABB IRB 120,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
Payload:..... 3 kg
H-Reach:..... 580 mm
Repeatability: ± 0.01 mm
Robot Mass: 25 kg
Structure: Articulated
Mounting: Floor, Inverted, Angle

Robot Motion Speed

Axis 1.....250 °/s (4.36 rad/s)
Axis 2.....250 °/s (4.36 rad/s)
Axis 3.....250 °/s (4.36 rad/s)
Axis 4.....320 °/s (5.59 rad/s)
Axis 5.....320 °/s (5.59 rad/s)
Axis 6.....420 °/s (7.33 rad/s)

Robot Motion Range

Axis 1.....+165° - 165°
Axis 2.....+110° - 110°
Axis 3.....+70° - 110°
Axis 4.....+160° - 160°
Axis 5.....+120° - 120°
Axis 6.....+400° - 400°

Robot Controllers

IRC5 >

Robot Applications

Assembly > Packaging >
Cleanroom > Palletizing >
Material Handling > Part Transfer >
Order Picking > Pick and Place >