

ABB IRB 4600-60



The ABB IRB 4600-60 IRC robot is compact, accurate, and speedy, a cut above the rest. It will quickly increase your productivity and production capacity as it combines a high output with shorter cycle times, cutting cycle times by up to 25%. The IRB 4600-60 can achieve highest in its class speeds and acceleration but also remain flexible with multiple mounting options, such as floor, tilted, semi-shelf, or inverted. This makes the IRB 4600-60 ideal for a wide assortment of applications from arc welding and cutting, to dispensing and assembly.

In addition, the IRB 4600 IRC5 arm is incredibly slender - allowing for optimal part accessibility and installation flexibility. The compact base covers a 512 x 676 mm space; this ensures space saving options, shrinks the footprint of your manufacturing cells, and allows you to place the robot closer to the served machines, further increasing your output and productivity.

For more information about the ABB IRB 4600-60,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
Payload:..... 60 kg
H-Reach:..... 2050 mm
Repeatability: ± 0.05 mm
Robot Mass: 435 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..... $\pm 180^\circ$
Axis 2..... $+150^\circ - 90^\circ$
Axis 3..... $+75^\circ - 180^\circ$
Axis 4..... $\pm 400^\circ$
Axis 5..... $+120^\circ - 125^\circ$
Axis 6..... $\pm 400^\circ$

Robot Controllers

IRC5 >

Robot Applications

Arc Welding >

Assembly >

Cutting >

Dispensing >

Electron Beam >

Fiberglass Cutting >

Machine Tending >

Material Handling >