

ABB IRB 6640-180



With its 2550 mm reach and 180 kg payload, the IRB 6640-180 is the perfect robot for a variety of applications such as material handling, machine tending, or spot welding. If you are in need of a robot with a big work envelope (as it can bend fully backwards), yet small footprint for a compact production line, this is the robot for you.

The IRB 6640-180 has an IP67 protection rating and additional Foundry Plus 2 or Foundry Prime 2 options. Additionally, safety is no longer a concern with its available load identification, movable mechanical stops, electronic positions switches (EPS), and a stiff steel structure. True Move and Quick Move help to increase the robot's life and decrease maintenance as they help achieve direct path performance and load monitoring. The IRB 6640-180 is paired with the advanced IRC5 controller.

**For more information about the ABB IRB 6640-180,
contact a Robotworx representative today at 740-251-4312.**

Robot Information

Robot Specifications

Axes:..... 6
Payload:..... 180 kg
H-Reach:..... 2550 mm
Repeatability: ± 0.07 mm
Robot Mass: 1310 kg
Structure: Articulated
Mounting: Floor

Robot Motion Speed

Axis 1.....100 °/s (1.75 rad/s)
Axis 2.....90 °/s (1.57 rad/s)
Axis 3.....90 °/s (1.57 rad/s)
Axis 4.....170 °/s (2.97 rad/s)
Axis 5.....120 °/s (2.09 rad/s)
Axis 6.....190 °/s (3.32 rad/s)

Robot Motion Range

Axis 1..... $\pm 170^\circ$
Axis 2..... $+86^\circ - 65^\circ$
Axis 3..... $+70^\circ - 180^\circ$
Axis 4..... $\pm 300^\circ$
Axis 5..... $\pm 120^\circ$
Axis 6..... $\pm 360^\circ$

Robot Controllers

IRC5 >

Robot Applications

Machine Tending >
Material Handling >

Spot Welding >