

ABB IRB 6640



The ABB IRB 6640 is ABB's newest robot for heavy lifting needs. It was built to replace its forerunner, the IRB 6600 robot and was also created to be simple to move and maintain. The robot foot is slightly larger and forklift pockets allows for easy relocation. The robot is 400kg lower than the IRB 6600 model.

With six axes of motion, a protection rating of IP67, and a maximum payload of 235kg, it is ready to tackle the tough challenges. Its strong design is ideal for material handling, machine tending, or spot welding applications. The standard IRB 6640 version has a 2.55m horizontal reach. It is a floor mount model with the ability to bend behind itself for extra accessibility. The ABB 6640 can use the IRC5 or the S4C controller.

**For more information about the ABB IRB 6640,
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.....**+170° - 170°**
 Axis 2.....**+85° - 65°**
 Axis 3.....**+70° - 180°**
 Axis 4.....**+300° - 300°**
 Axis 5.....**+120° - 120°**
 Axis 6.....**+360° - 360°**

Robot Controllers

- S4C >
- IRC5 >

Robot Applications

- Cleanroom >
- Machine Tending >
- Material Handling >
- Packaging >
- Palletizing >
- Pick and Place >
- Press Tending >
- Resistance Welding >