

# ABB IRB 6700



ABB has introduced its 7th generation of large robots, the ABB IRB 6700 family. The ABB IRB6700 robot has an increased speed, accuracy, and payload.

ABB IRB 6700-235 This IRB6700 robot features a 235 kg payload, 0.04 repeatability, and 2650 mm reach.

ABB IRB 6700-205 This IRB6700 robot features a 205 kg payload, 0.06 repeatability, and 2800 mm reach.

ABB IRB 6700-175 This IRB6700 variation features a 175 kg payload, 0.04 mm repeatability, and 3050 mm reach.

ABB IRB 6700-150 This IRB6700 variation features a 150 kg payload, 0.05 mm repeatability, and 3200 mm reach.

For more information about the ABB IRB 6700, contact a T.I.E. Industrial representative today at 877-762-6881.

## Robot Information

### Robot Specifications

Axes:..... **6**  
 Payload:..... **235 kg**  
 H-Reach:..... **2650 mm**  
 Repeatability: **± 0.04 mm**  
 Robot Mass: **1250 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 (2.27 rad/s)**  
 Axis 6.....**190 °/s (2.27 rad/s)**

### Robot Motion Range

Axis 1.....**±170°**  
 Axis 2.....**+85° - 65°**  
 Axis 3.....**+70° - 180°**  
 Axis 4.....**±300°**  
 Axis 5.....**±130°**  
 Axis 6.....**±360°**

### Robot Controllers

IRC5 >

### Robot Applications

Foundry >

Polishing >

Refueling >