

ABB IRB 6640-485



Any heavy duty material handling, machine tending, or spot welding job will only be improved with the ABB IRB 6640-485. It is ready to tackle any job requiring a payload of up to 485 kg and reach of 2800 mm. The software technology, TrueMove and QuickMove, help to improve the precision of the path and avoid collisions. Additionally, it will be able to be placed in a compact production line as it can bend over backwards with its 2800 mm reach.

One can expect decreased maintenance costs with the IP67 protection with options for Foundry Plus 2 or Foundry Prime 2. Safety issues will not be a concern with all of the features available including load identification, movable mechanical stops, electronic positions switches (EPS), and a stiff steel structure. The advanced IRC5 controller will be paired with the IRB 6640-485.

For more information about the ABB IRB 6640-485,
contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
Payload:..... 485 kg
H-Reach:..... 2800 mm
Repeatability: ± 0.07 mm
Robot Mass: 1405 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 >