

## ABB IRB 660-180



The ABB IRB 660-180 is the high speed version and an improvement from its predecessor as it has an optimized motor power and motion performance that result in shorter cycle times. It excels at pushing the working envelope as it is a very fast, 4-axis robot that seamlessly combines its 180 kg payload and 3150 mm reach to perfectly tackle palletizing tasks. The long reach of the IRB 660-180 enables it to serve up to four in-feed conveyors, two pallet stacks, one slip-sheet stack, and four palletizing out-feeding lines. It is now easy to see that the IRB 660 has the versatility, reach, and handling capacity to become the ideal solution for palletizing bags, boxes, crates, bottles, and more.

This robot requires minimal service intervals with its rugged design and IP67 tightness. In addition, the IRB 660 has easy programming and intuitive operation with the IRC5 controller and comprehensive software, PickMaster. Overall, the perfect solution for your next palletizing job!

For more information about the ABB IRB 660-180,  
contact a Robotworx representative today at 740-251-4312.

### Robot Information

#### Robot Specifications

Axes:..... 4  
Payload:..... 180 kg  
H-Reach:..... 3150 mm  
Repeatability:  $\pm 0.1$  mm  
Robot Mass: 1650 kg  
Structure: ..... Articulated  
Mounting: ..... Floor

#### Robot Motion Speed

Axis 1.....130 °/s (2.27 rad/s)  
Axis 2.....130 °/s (2.27 rad/s)  
Axis 3.....130 °/s (2.27 rad/s)  
Axis 4.....300 °/s (5.24 rad/s)

#### Robot Motion Range

Axis 1..... $\pm 180^\circ$   
Axis 2..... $+85^\circ - 42^\circ$   
Axis 3..... $+120^\circ - 20^\circ$   
Axis 4..... $\pm 300^\circ$

#### Robot Controllers

IRC5 >

#### Robot Applications

Material Handling >  
Packaging >