

## FANUC ARC Mate 100iC/6L



The FANUC ARC Mate 100 iC/6L is a six axis welding robot arm designed for precise welding and cutting applications. The extended reach of 1,632 millimeters by the FANUC ARC Mate 100iC 6L welding robot allows easy access to large parts and complex tooling. This creates a very large work area while also maintaining its high speeds and slim wrist to help fit into small openings. The 100iC/6L moves 15% faster than the other robots in its class and can process large parts and complex tooling without worrying about compromising productivity. With a 6 kilogram maximum payload capacity, the ARC Mate 100iC/6L robot allows for an arc welding torch or other light-weight end-of-arm-tooling to be attached to the welding robot arm's wrist.

Programming is simplified with ROBOTGUIDE-WeldPro and Vision Shift to help compensate for gaps. Additionally, The ARC Mate 100iC/6L is ready to see, sense, and simulate with iRvision and Collision Guard. The FANUC ARC Mate 100iC is compatible with all major brands of welding equipment and can be interfaced with most types of servo-driven or indexing positioners.

There is an option of the R-30iA or the R-J3iC controller for this robot. All robots purchased through RobotWorx include the RobotWorx Value Package.

For more information about the FANUC ARC Mate 100iC/6L, contact a member of our sales department today at 740-251-4312.

### Robot Information

#### Robot Specifications

Axes:..... 6  
 Payload: ..... 6 kg  
 H-Reach: ..... 1632 mm  
 Repeatability: ± 0.1 mm  
 Robot Mass: 135 kg  
 Structure: ..... Articulated  
 Mounting:..... Floor, Inverted, Angle

#### Robot Motion Speed

J1..... 210 °/s (3.67 rad/s)  
 J2..... 190 °/s (3.32 rad/s)  
 J3..... 210 °/s (3.67 rad/s)  
 J4..... 400 °/s (6.98 rad/s)  
 J5..... 400 °/s (6.98 rad/s)  
 J6..... 600 °/s (10.47 rad/s)

#### Robot Motion Range

J1..... ±360°  
 J2..... ±250°  
 J3..... ±445°  
 J4..... ±380°  
 J5..... +380°  
 J6..... +720°

#### Robot Controllers

R-J3iC >  
 R-30iA >

#### Robot Applications

Arc Welding >                      TIG Welding >  
 Plasma Cutting >                      Plasma Welding >