

## FANUC ARC Mate 100iC



The FANUC ARC Mate 100iC is a 6 axis robot designed to provide maximum performance and reliability for welding and cutting applications. The 100iC protects the weld torch cable, gas lines, air lines, and the wire feeder motor cable by routing them inside the robot arm. This improves reliability and reduces setup time, prevents cable interference, and allows offline program generation without compromising the cable integrity.

The 100iC robot creates a large work area and maintains high speeds throughout, conquering up to 10 kg of payload, all the while using a slim wrist enabling entry into small openings in the work space. In addition, this robot arm moves 15% faster than the other robots in its class and can process large parts and use complex tooling without compromising productivity. 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.

RobotWorx also offers used ARC Mate 100iC robots. Each reconditioned FANUC ARC Mate 100iC goes through a rigorous refurbishment process. All new and refurbished ARCMATE 100iC robots include the RobotWorx Value Package.

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

### Robot Information

#### Robot Specifications

Axes:..... 6  
 Payload: ..... 10 kg  
 H-Reach: ..... 1420 mm  
 Repeatability: ± 0.08 mm  
 Robot Mass: 130 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..... ±447°  
 J4..... ±380°  
 J5..... +380° - 280°  
 J6..... +720° - 540°

#### Robot Controllers

R-J3iC >  
 R-30iA >

#### Robot Applications

Arc Welding >	Oxyacetylene Welding >
MIG Welding >	Orbital Welding >
MAG Welding >	TIG Welding >
Plasma Cutting >	Plasma Welding >