

FANUC ARC Mate 120iC



The FANUC ARC Mate 120iC is a high-speed arc welding and cutting, six-axis industrial robot. Longer reach and payload than its predecessors increase the work envelope and payload capacity make the FANUC ARC Mate 120iC an ideal welding robot for any automated manufacturing floor.

Because of its simple and reliable build, the FANUC 120iC welding robot provides accurate and consistent path performance. Even with the increase in payload, the ARC Mate 120iC build remains slim and compact. The ARC Mate 120iC arm is constructed for strength and rigidity, with a hollow wrist and internally routed cabling to provide better part accessibility and minimize hazards. The process specific design of the ARCMate 120iC R-30iA / R-30iB was made to protect the weld torch cable from the wire feeder to the torch goose neck, allowing programs to be tested without compensating the torch cable.

If you are looking to get the same benefits of the ARC Mate 120iC but at lower costs, then consider a used FANUC ARC Mate 120iC by RobotWorx. RobotWorx representatives work hard by putting all of their reconditioned robots through an intense refurbishment process. All of the new and reconditioned ARC Mate 120iC robots come with the RobotWorx Value Package.

**For more information about the FANUC ARC Mate 120iC,
contact a member of our sales department today at 740-251-4312.**

Robot Information

Robot Specifications

Axes:..... **6**
 Payload: **20 kg**
 H-Reach: **1811 mm**
 Repeatability: **± 0.08 mm**
 Robot Mass: **250 kg**
 Structure: **Articulated**
 Mounting:..... **Floor, Inverted, Angle**

Robot Motion Speed

J1..... **195 °/s (3.4 rad/s)**
 J2..... **175 °/s (3.05 rad/s)**
 J3..... **180 °/s (3.14 rad/s)**
 J4..... **360 °/s (6.28 rad/s)**
 J5..... **360 °/s (6.28 rad/s)**
 J6..... **550 °/s (9.6 rad/s)**

Robot Motion Range

J1..... **±370°**
 J2..... **±260°**
 J3..... **±458°**
 J4..... **±400°**
 J5..... **±360°**
 J6..... **±900°**

Robot Controllers

R-J3iC >
 R-30iA >
 R-30iB >

Robot Applications

Arc Welding > Oxacetylene Welding >
 Plasma Cutting > TIG Welding >
 MIG Welding > Plasma Welding >
 MAG Welding >