

FANUC ARC Mate 120iB



Suitable for high-speed welding and cutting processes, the FANUC ARC Mate 120iB is a six-axis robotic arm that is servo-driven. The FANUC 120iB R-J3iB welding robot provides accurate and consistent path performance based on its simple and reliable construction.

In addition to high-speed cutting and welding, the ARC Mate 120iB is capable of performing a variety of welding applications, including MIG welding, TIG welding, Plasma welding and Plasma cutting.

The 120iB is the best in its class for reach versus stroke ratio and fastest motion speeds. The exceptionally fast wrist axes reduce air cut times, and the ARC Mate has an extremely large work envelopes and complex tooling.

RobotWorx also offers a wide variety of used robots, including the reconditioned ARC Mate 120iB. All new and used ARC Mate 120iB robots include the RobotWorx Value Package. Overall, both the new and used ARC Mate 120iB can decrease cycle times and increase consistency, improving the quality of the weld.

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

Robot Information

Robot Specifications

Axes: 6
Payload: 20 kg
H-Reach: 1667 mm
Repeatability: ± 0.08 mm
Robot Mass: 220 kg
Structure: Articulated
Mounting: Floor, Inverted, Angle

Robot Motion Speed

J1..... 165 °/s (2.88 rad/s)
J2..... 165 °/s (2.88 rad/s)
J3..... 175 °/s (3.05 rad/s)
J4..... 350 °/s (6.11 rad/s)
J5..... 340 °/s (5.93 rad/s)
J6..... 520 °/s (9.08 rad/s)

Robot Motion Range

J1..... $\pm 170^\circ$
J2..... $+160^\circ - 90^\circ$
J3..... $+290^\circ - 170^\circ$
J4..... $\pm 200^\circ$
J5..... $\pm 140^\circ$
J6..... $\pm 450^\circ$

Robot Controllers

R-J3iB >

Robot Applications

Arc Welding >

Plasma Cutting >

MIG Welding >

MAG Welding >

Oxacetylene Welding >

TIG Welding >

Plasma Welding >