

FANUC ARC Mate 50iB



The FANUC ARC Mate 50iB is a six-axis robot engineered to offer versatility in a simple package. A tabletop welder with a low 47kg mass, the ARC Mate 50iB RJ-3iB is designed to perform high-speed arc welding applications.

The 50-iB R-J3iB is a highly flexible automated robot that mounts to any surface – the floor, ceiling or at an angle. This plasma welding robotic arm is electric servo-driven for maximum performance during smaller applications. Additionally, the ARC Mate 50iB's compact body takes space efficiency to new levels. This mini is fast and reliable, offering a horizontal reach of 856mm, allowing it to reach confined spaces easily.

For more information about the FANUC ARC Mate 50iB, contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
 Payload:..... 3 kg
 H-Reach:..... 856 mm
 Repeatability:± 0.04 mm
 Robot Mass: 47 kg
 Structure:Articulated
 Mounting:Floor, Inverted, Angle

Robot Motion Speed

J1..... 140°/s (2.44 rad/s)
 J2..... 150°/s (2.62 rad/s)
 J3..... 160°/s (2.79 rad/s)
 J4..... 400°/s (6.98 rad/s)
 J5..... 330°/s (5.76 rad/s)
 J6..... 480°/s (8.38 rad/s)

Robot Motion Range

J1..... ±160°
 J2..... +150° -35°
 J3..... +165° -125°
 J4..... ±190°
 J5..... ±120°
 J6..... ±360°

Robot Controllers

R-J3iB >

Robot Applications

Grinding > Sanding >
 Laser Cutting > Shielded Metal Arc Welding >
 Plasma Cutting >
 Plasma Welding >