

FANUC ARC Mate 50iB/3L



The FANUC ARC Mate 50iB/3L arc-welding robot features a long reach for maximum flexibility. The ARC Mate 50iB/3L R-J3iB welding robot has an 856 mm horizontal reach allowing for a wide work envelope. With a +/- 0.04 mm repeatability and a 3 kg maximum payload capacity, a light-weight arc welding torch will weld parts with extreme accuracy and precision.

The FANUC ARC Mate 50iB/3L has a compact body designed to perform within confined spaces, and having the versatility to work in extremely small welding cells or cells with a high density. Furthermore, the 50iB/3L has plenty of installation flexibility and can be mounted on the floor, angle, ceiling, or tabletop. The overall smaller footprint means that companies with limited floor space can also use this robot.

For more information about the FANUC ARC Mate 50iB/3L, 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

- Arc Welding >
- Machine Tending >
- Material Removal >
- Plasma Welding >