

FANUC ARC Mate 50iD/7L



The FANUC ARC Mate 50iD/7L is a high speed arc welding robot that is equipped with added reach. The FANUC ARC Mate 50iD 7L has a long arm and +/-0.03mm repeatability. With 6 axes, this Arc Mate 50iD/7L robot can carry up to 7kg while creating precise arc welds.

The slim design of the ARC Mate 50iD/7L's lightweight arm helps to increase the speed of the welding process, while also improving part and tool accessibility for the robot. It is a rugged all around great performance robot that will produce constant high quality standards in harsh environments. This robot's wrist also has a standard IP67 rating which gives it the versatility to work in a variety of different harsh manufacturing environments, and it is perfect for dusty and wet environments as well.

For more information about the FANUC ARC Mate 50iD/7L, contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
Payload:..... 7 kg
H-Reach:..... 911 mm
Repeatability: ± 0.03 mm
Robot Mass: 27 kg
Structure: Articulated
Mounting: Floor, Inverted, Angle

Robot Motion Speed

J1..... 370 °/s (6.46 rad/s)
J2..... 310 °/s (5.41 rad/s)
J3..... 410 °/s (7.16 rad/s)
J4..... 550°/s (9.6 rad/s)
J5..... 545°/s (9.51 rad/s)
J6..... 1000°/s (17.45 rad/s)

Robot Motion Range

J1..... ±360°
J2..... ±245°
J3..... ±430°
J4..... ±380°
J5..... ±250°
J6..... ±720°

Robot Controllers

R-30iA >
R-30iB Mate Cabinet >
R-30iB iPendant Touch >

Robot Applications

Arc Welding >