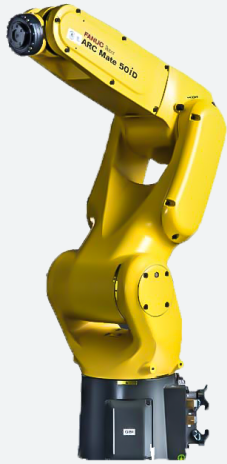


FANUC ARC Mate 50iD



The FANUC ARC Mate 50iD robot is a compact arc welding robot that is equipped to operate in dusty or wet environments. The wrist of the ARC Mate 50iD has an IP67 rating, which means it is totally protected against dust, while also being protected against the effects of immersion in water between 15cm and 1m. The 50iD also has an optional IP69K rating for the body, J3 axis, and wrist, which makes the robot arm able to withstand high pressure steam cleaning as well.

The FANUC ARC Mate 50iD is a great solution for a variety of welding applications, including MIG, TIG, and plasma welding. This robot is compact enough to fit into smaller areas, while also working at a high rate of speed, which improves throughput and cycle times. It has a best in class rating for a 7kg payload robot, with a repeatability of +/- 0.02mm.

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

Robot Information

Robot Specifications

Axes:..... 6
Payload:..... 7 kg
H-Reach:..... 717 mm
Repeatability:± 0.02 mm
Robot Mass: 25 kg
Structure:Articulated
Mounting:Floor

Robot Motion Speed

J1..... 450°/s (7.85 rad/s)
J2..... 380°/s (6.63 rad/s)
J3..... 520°/s (9.08 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..... ±420°
J4..... ±380°
J5..... ±250°
J6..... ±720°

Robot Controllers

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

Robot Applications

Arc Welding > Plasma Welding >
Material Handling > Tig Welding >
Material Removal >
Mig Welding >