

FANUC R-2000iA/165F



The FANUC R-2000iA/165F is a floor-mounted, versatile robot arm that has high-performance motion to produce fast cycle times and increase your throughput. The R-2000iA/165F has the capability of handling a variety of applications, including arc welding, part transfer, material removal, dispensing, assembly, and spot welding.

The slim arm and wrist assemblies of the R2000iA/165F, along with its larger work envelope, help it reach tight spaces. This design helps it minimize interference with peripherals. Additionally, there are fewer mechanical components and that result in longer maintenance intervals, which reduces downtime and minimizes spare parts. The stationary outer arm simplifies hose and cable dress-out, ultimately saving the manufacturer money over the life of the robot.

For more information about the FANUC R-2000iA/165F, contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
Payload:..... 165 kg
H-Reach:..... 2650 mm
Repeatability: ±0.2 mm
Robot Mass: 1210 kg
Structure: Articulated
Mounting: Floor

Robot Motion Speed

J1..... 105°/s (1.83 rad/s)
J2..... 105°/s (1.83 rad/s)
J3..... 105°/s (1.83 rad/s)
J4..... 130°/s (2.27 rad/s)
J5..... 130°/s (2.27 rad/s)
J6..... 210°/s (3.67 rad/s)

Robot Motion Range

J1..... ±180°
J2..... +75° - 60°
J3..... +230° - 132°
J4..... ±360°
J5..... ±125°
J6..... ±360°

Robot Controllers

R-J3iB >

Robot Applications

Cutting >

Fiberglass Cutting >

Laser Welding >

Machine Tending >

Material Handling >

Spot Welding >