

FANUC M-20iA



The M-20iA has a hollow upper arm and wrist and a unique design that enables utilities to be neatly contained within the arm, helping to avoid snagging, tearing, or rubbing. The M-20iA has built-in vision with an integrated vision cable from the J1 base to J3 interface panel, making the addition of vision to the robot application much easier.

This robot is well-suited for assembly, dispensing, material handling, and machine tending applications and features a 20 kg payload capacity and six degrees of freedom. The M 20iA's compact size and multiple mounting options make integration simple, especially for operation in tight work spaces. The design doesn't sacrifice any of the robot's performance specifications and because of the dress out and control box design, it is also perfect for offline simulations.

For more information about the FANUC M-20iA, contact a Robotworx representative today at 740-251-4312.

Robot Information

Robot Specifications

Axes:..... 6
 Payload:..... 20 kg
 H-Reach:..... 1811 mm
 Repeatability: ±0.08 mm
 Robot Mass: 250 kg
 Structure: Articulated
 Mounting: Floor, Inverted, Angle

Robot Motion Speed

J1..... 195°/s (3.4 rad/s)
 J2..... 175°/s (3.05 rad/s)
 J3..... 180°/s (3.14 rad/s)
 J4..... 360°/s (6.28 rad/s)
 J5..... 360°/s (6.28 rad/s)
 J6..... 550°/s (9.6 rad/s)

Robot Motion Range

J1..... ±370°
 J2..... ±260°
 J3..... ±458°
 J4..... ±400°
 J5..... ±380°
 J6..... ±900°

Robot Controllers

- R-30iA >
- R-30iB Mate Cabinet >
- R-30iB A/B-Cabinet >
- R-30iB iPendant Touch >

Robot Applications

- 3D Laser Vision >
- Dispensing >
- Fiberglass Cutting >
- Injection Molding >
- Machine Loading >
- Machine Tending >
- Material Handling >
- Material Removal >