

## FANUC M-20iA/12L



The FANUC M-20iA/12L is a 6 axis industrial robot with a 12 kg payload that is ideal for high speed loading and unloading applications. It is a compact robot that has a slim wrist and small footprint, enabling it to work in tight work spaces. Furthermore, a single cable between the robot and the controller is integrated into the arm, cutting down on maintenance costs while also making maintenance easier. To eliminate homing at power-up, there is an absolute encoder positioning and the intelligent color graphic teach pendant is network ready.

With the best payload, wrist moments, and wrist inertia in its category, the M-20iA/12L is perfect for a variety of mounting and tooling options. It can be mounted on the floor, angle, wall, or ceiling. This robot comes equipped with the advanced R-30iB controller and has a reach of 2009 mm, making it a long-armed heavy lifter.

For more information about the FANUC M-20iA/12L, contact a Robotworx representative today at 740-251-4312.

### Robot Information

#### Robot Specifications

Axes:..... 6  
 Payload:..... 12 kg  
 H-Reach:..... 2009 mm  
 Repeatability: ±0.08 mm  
 Robot Mass: 250 kg  
 Structure: ..... Articulated  
 Mounting: ..... Floor, Inverted, Angle

#### Robot Motion Speed

J1..... 200°/s (3.49 rad/s)  
 J2..... 175°/s (3.05 rad/s)  
 J3..... 190°/s (3.32 rad/s)  
 J4..... 430°/s (7.5 rad/s)  
 J5..... 430°/s (7.5 rad/s)  
 J6..... 630°/s (11 rad/s)

#### Robot Motion Range

J1..... ±370°  
 J2..... ±260°  
 J3..... +460° - 6°  
 J4..... ±400°  
 J5..... ±360°  
 J6..... ±900°

#### Robot Controllers

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

#### Robot Applications

- Machine Loading >
- Material Handling >