

## FANUC M-16iAT



The FANUC M-16iAT is an overhead-mounted robot designed for material handling and machine tending applications. This system features a standard FANUC M-16i R-J3iB robot arm with a modified J1 axis that allows it to be mounted on an overhead rail. Six full axes of motion, one linear and five rotary, allow for greater mobility and the ability to reach a larger work area without sacrificing floor-space.

The rails for the M-16iAT R-J3iB are available in both standard and customized lengths. They can be attached to free-standing support legs or attached to other machinery. Additional options include dual arm configuration on a single rail and bellows protection for the rail.

For more information about the FANUC M-16iAT,  
contact a Robotworx representative today at 740-251-4312.

### Robot Information

#### Robot Specifications

Axes:..... 6  
Payload:..... 16 kg  
H-Reach:..... 1605 mm  
Repeatability:±0.08 mm  
Robot Mass: 138 kg  
Structure: .....  
Mounting: .....Inverted

#### Robot Motion Speed

J1..... 2 m/s  
J2..... 140 °/s (2.44 rad/s)  
J3..... 140 °/s (2.44 rad/s)  
J4..... 330 °/s (5.76 rad/s)  
J5..... 330 °/s (5.76 rad/s)  
J6..... 450 °/s (7.85 rad/s)

#### Robot Motion Range

J1..... +2.4m° - 21.5m°  
J2..... ±300°  
J3..... ±481.2°  
J4..... ±400°  
J5..... ±280°  
J6..... ±900°

#### Robot Controllers

R-J3iB >

#### Robot Applications

Assembly >

Material Handling >

Part Transfer >

Pick and Place >