

## FANUC LR Mate 100i



The FANUC LR Mate 100i industrial robot is engineered for maximum reliability in a variety of harsh plant or educational environments. It is a five-axis, modular construction, electric servo-driven robot designed for precision machine loading and unloading, welding, and material handling. The FANUC LRMate 100i is also available in High Speed and Cleanroom versions.

The LRMate 100i has multiple mounting positions and tabletop size increase installation flexibility. Its hollow joint construction encloses all cable routing to eliminate snagging. There is no modification needed for upright or inverted mounting.

The FANUC 100i also has brushless AC servo motors minimize motor maintenance, sealed bearings and drives allow operation in harsh factory environments.

For more information about the FANUC LR Mate 100i, contact a Robotworx representative today at 740-251-4312.

### Robot Information

#### Robot Specifications

Axes:..... 5  
 Payload:..... 3 kg  
 H-Reach:..... 620 mm  
 Repeatability:±0.04 mm  
 Robot Mass: 32 kg  
 Structure: ..... Articulated  
 Mounting: ..... Floor, Inverted, Angle

#### Robot Motion Speed

J1.....180°/s (3.14 rad/s)  
 J2.....180°/s (3.14 rad/s)  
 J3.....225°/s (3.93 rad/s)  
 J4.....216°/s (3.77 rad/s)  
 J5.....272°/s (4.75 rad/s)

#### Robot Motion Range

J1.....±160°  
 J2.....+150° - 35°  
 J3.....+206° - 159°  
 J4.....±120°  
 J5.....±200°

#### Robot Controllers

RJ2 >  
 RJ3 >

#### Robot Applications

Pick and Place >  
 Welding Automation >