

# Robot FANUC LR Mate 200iD

## Max. payload 7 kg – max. reach 717 mm



The FANUC LR Mate 200iD is a compact 6-axis robot with the approximate length and reach of a human arm. It combines an excellent deadweight to payload ratio with IP67 protection and FANUC's top quality. This makes the LR Mate 200iD the best and most reliable mini robot for process automation in many industries.

Available with different reach and wrist speeds, the LR Mate offers the best compact solution for fast handling of parts up to 7 kg – ideal for many industries from food to metal processing.

On request, the compact robot from FANUC is also available with intelligent functionality such as Vision & Force for even greater accuracy and productivity.

Also available: special equipment for welding, painting and clean room applications and even with IP69K protection.

### More flexibility in every situation

The compact, multifunctional LR Mate offers unlimited flexibility in use thanks to its floor, ceiling, wall and corner mounting options.

### Features

- **Universal automation:** The compact LR Mate 200iD convinces with high throughput and short cycle times. An ideal all-rounder for industrial robot applications
- **State-of-the-art servo technology and extremely rigid arm:** smooth, vibration-free movements even at high operating speeds
- **Wider, stronger, faster:** The LR Mate 200iD models are available with a range of up to 911 mm, a maximum load capacity of 7 kg and a maximum TCP speed of 11 m/s.
- **Higher throughput:** The LR Mate's powerful servomotors and exceptionally torsionally stiff arm provide powerful acceleration and short cycle times to improve your productivity rates.
- **Integrated end effector supply:** The connectors on the J3 axis provide greater system flexibility – and the internal cable routing leads to even greater reliability and performance.

## Technical Data

### Robot FANUC LR Mate 200iD

|                            |                                      |
|----------------------------|--------------------------------------|
| Maximum load wrist:        | 7 kg                                 |
| Maximum reach:             | 717 mm                               |
| No. of axes:               | 6                                    |
| Repeatability:             | +/- 0,018 mm (based on ISO9283)      |
| Weight (mechanical):       | 25 kg                                |
| Average power consumption: | 0,5 kW                               |
| Protection body:           | IP67 (standard), IP69K (option)      |
| Controller:                | R-30iB, Mate cabinet, iPendant Touch |

|          | Motion range | Max. speed |
|----------|--------------|------------|
| Axis J1: | 360°         | 450°/sec   |
| Axis J2: | 245°         | 380°/sec   |
| Axis J3: | 420°         | 520°/sec   |
| Axis J4: | 380°         | 550°/sec   |
| Axis J5: | 250°         | 545°/sec   |
| Axis J6: | 720°         | 1000°/sec  |

## Motion range and dimensions

