

**FANUC**

# Fast, slim and accurate handling robot



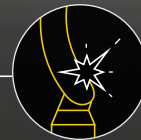
**LARGEST  
HOLLOW WRIST  
and hollow arm**



**FULLY INTEGRATED  
CABLE MANAGEMENT**  
to eliminate interference



**SLIM AND CURVED J2 ARM**  
to minimise interference



**SMOOTH SURFACES**  
to minimise  
dust and dirt collection

**NEW**

**M-10iD/12**



## The compact solution for maximum performance

- new slim and lightweight design to increase productivity
- compact arm and wrist to minimise interference against peripheral equipment and fixtures
- ideal solution for compact production line installations
- smooth finishing to reduce collection of dust and dirt
- easy installation and seamlessly integrated routing of user cable handling dressout eliminate interference from peripherals and work cell equipment
- intelligent maintenance schedule with Zero Down Time software by smartly predicting mechanical and process equipment status

# M-10iD/12

(Hollow wrist)

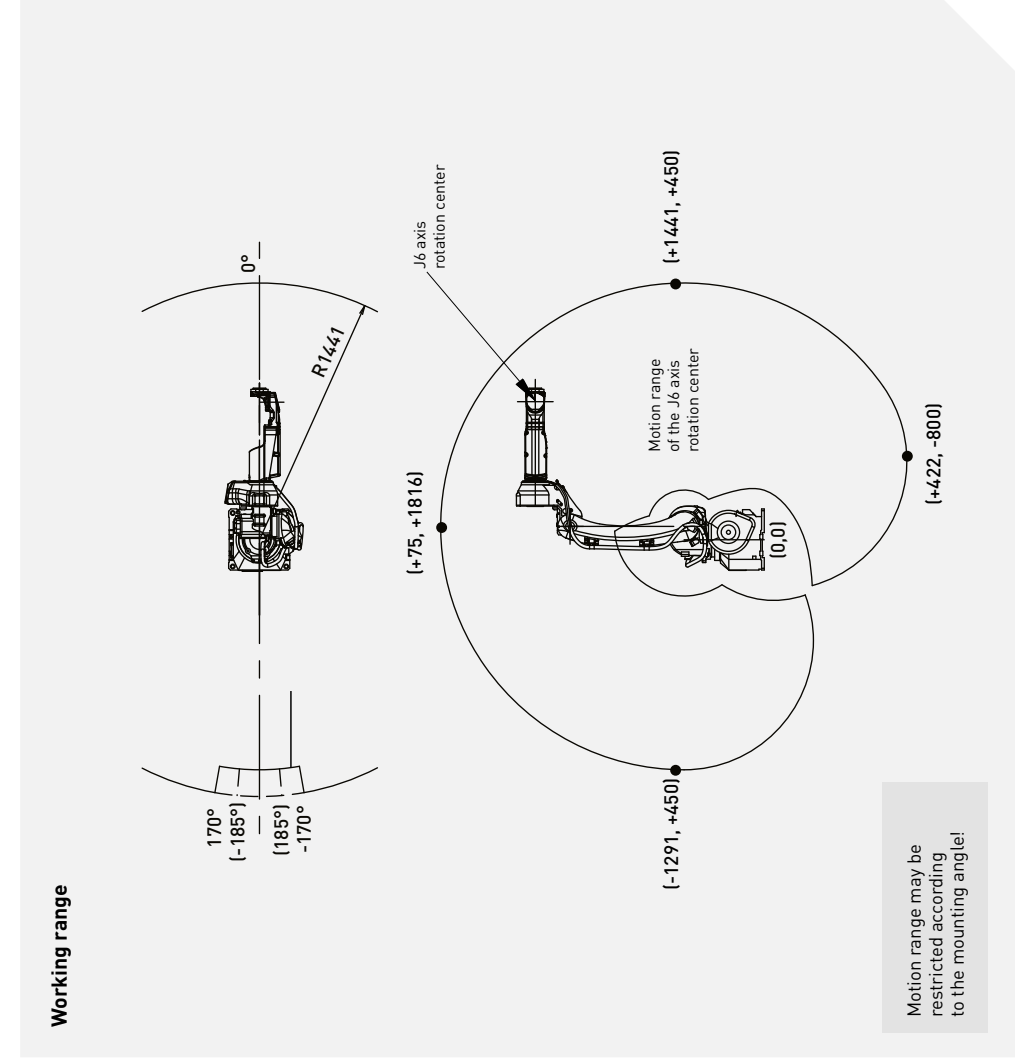
Max. load capacity  
at wrist: **12 kg**



Max. reach:  
**1441 mm**



| Controlled axes | Repeatability (mm) | Mechanical weight (kg) | Motion range [°] |     |     |     |     |     | Maximum speed [°/s] |     |     |     | J4 Moment/Inertia (Nm/kgm <sup>2</sup> ) | J5 Moment/Inertia (Nm/kgm <sup>2</sup> ) | J6 Moment/Inertia (Nm/kgm <sup>2</sup> ) |           |
|-----------------|--------------------|------------------------|------------------|-----|-----|-----|-----|-----|---------------------|-----|-----|-----|--|--|--|-----------|
|                 |                    |                        | J1               | J2  | J3  | J4  | J5  | J6  | J1                  | J2  | J3  | J4  |  |  |  | J5        |
| 6               | ± 0.02*            | 145                    | 340<br>(370)     | 235 | 455 | 380 | 360 | 900 | 260                 | 240 | 430 | 450 | 720                                      | 26.0/0.90                                | 26.0/0.90                                | 11.0/0.30 |



**Robot**

- Robot footprint [mm] **M-10iD/12**  
340 x 340
- Mounting position Floor ●
- Mounting position Upside down ●
- Mounting position Angle ●

**Controller**

- Open air cabinet **R-30iB Plus** -
- Mate cabinet ○
- A-cabinet ●
- B-cabinet ○
- iPendant Touch ●

**Electrical connections**

- Voltage 50/60Hz 3phase [V] 380-575
- Voltage 50/60Hz 1phase [V] -
- Average power consumption [kW] 1

**Integrated services**

- Integrated signals on upper arm In/Out 8/8
- Integrated air supply 1

**Environment**

- Acoustic noise level [dB] 57,4
- Ambient temperature [° C] 0-45

**Protection**

- Body standard/optional IP54 /IP55
- Wrist & J3 arm standard/optional IP67

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● standard ○ on request - not available ( ) with hardware and/or software option \*Based on ISO9283