

# FANUC

## ARC Mate 100iD

**INTEGRATED WIRE FEEDER MOUNTING**  
to minimise backside interference

**FULLY INTEGRATED WELDING HOSEPACK**  
and cable management

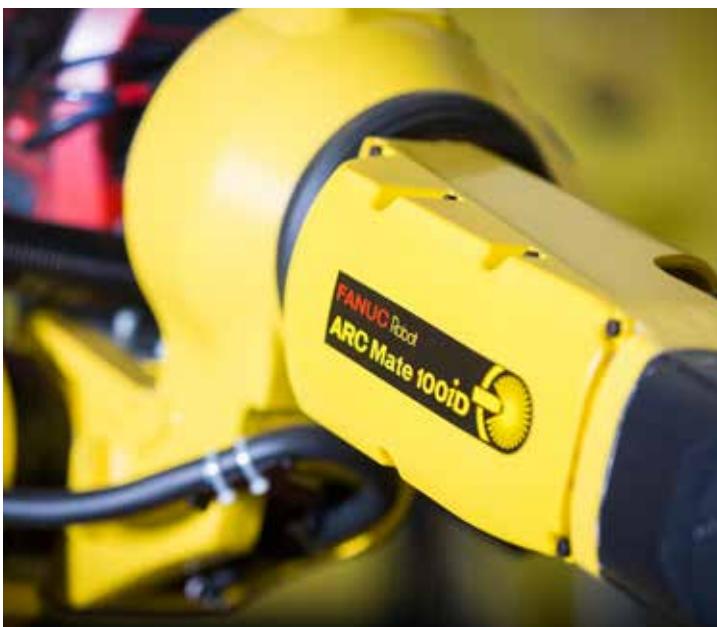
**SLIM AND CURVED J2 ARM**  
to minimise interference

**LARGEST HOLLOW WRIST**  
and hollow reducer

**12 KG PAYLOAD**  
perfect for additional toolings

**SMOOTH SURFACES**  
to minimise spatter collection

A NEW GENERATION OF  
ARC WELDING ROBOTS



### NEW arc welding robot ARC Mate 100iD

It's the first of a new generation: with its sophisticated slim, curved design and fully integrated welding hosepack and utility cables, the brand new FANUC ARC Mate 100iD offers new possibilities for improved productivity and faster integration. A larger workspace, reach and stroke, even in the backflip area, allows for a bigger working range. Improved rigidity and repeatability together with faster motion speed, mean increased productivity.

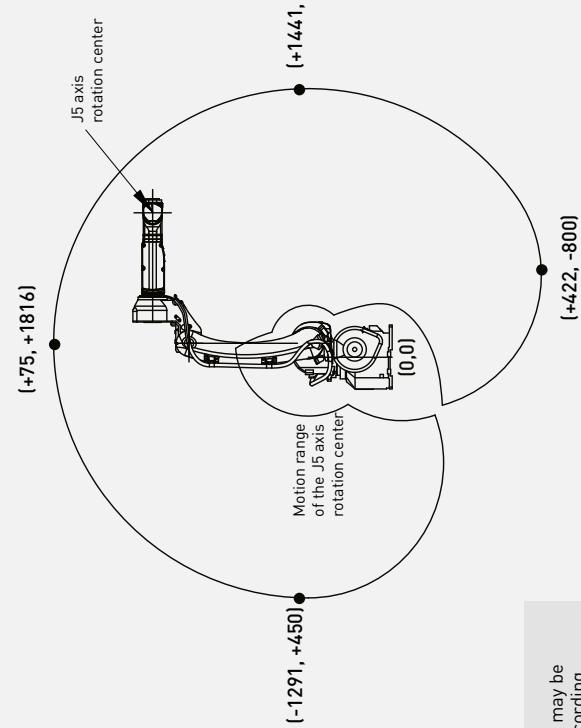
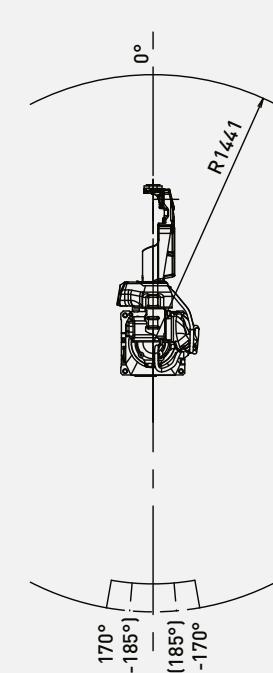
# ARC Mate 100iD

 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	J6		
6	± 0.02*	145	340 (370)	235	455	380	360	900	260	240	260	450	720	26.0/0.90	26.0/0.90	11.0/0.30

## Working range



Motion range may be restricted according to the mounting angle!

## Robot

### Robot footprint [mm]

Mounting position Floor

Mounting position Upside down

Mounting position Angle

## Controller

Open air cabinet

Mate cabinet

A-cabinet

B-cabinet

iPendant Touch

## Electrical connections

Voltage 50/60Hz 3phase [V]

Voltage 50/60Hz 1phase [V]

Average power consumption [kW]

## Integrated services

Integrated signals on upper arm In/Out

Integrated air supply

## Environment

Acoustic noise level [dB]

Ambient temperature [° C]

## Protection

Body standard/optional

Wrist & J3 arm standard/optional

IP54

IP67

## ARC Mate 100iD

### Robot

Robot footprint [mm]

Mounting position Floor

Mounting position Upside down

Mounting position Angle

### Controller

Open air cabinet

Mate cabinet

A-cabinet

B-cabinet

iPendant Touch

### Electrical connections

Voltage 50/60Hz 3phase [V]

Voltage 50/60Hz 1phase [V]

Average power consumption [kW]

### Integrated services

Integrated signals on upper arm In/Out

Integrated air supply

### Environment

Acoustic noise level [dB]

Ambient temperature [° C]

### Protection

Body standard/optional

Wrist & J3 arm standard/optional

IP54

IP67