

# ARC Mate 100iD

# FANUC

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



**LARGEST HOLLOW WRIST**  
and hollow reducer

**FULLY INTEGRATED WELDING HOSEPACK**  
and cable management



**12 KG PAYLOAD**  
perfect for additional toolings

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



**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.



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# ARC Mate 100iD



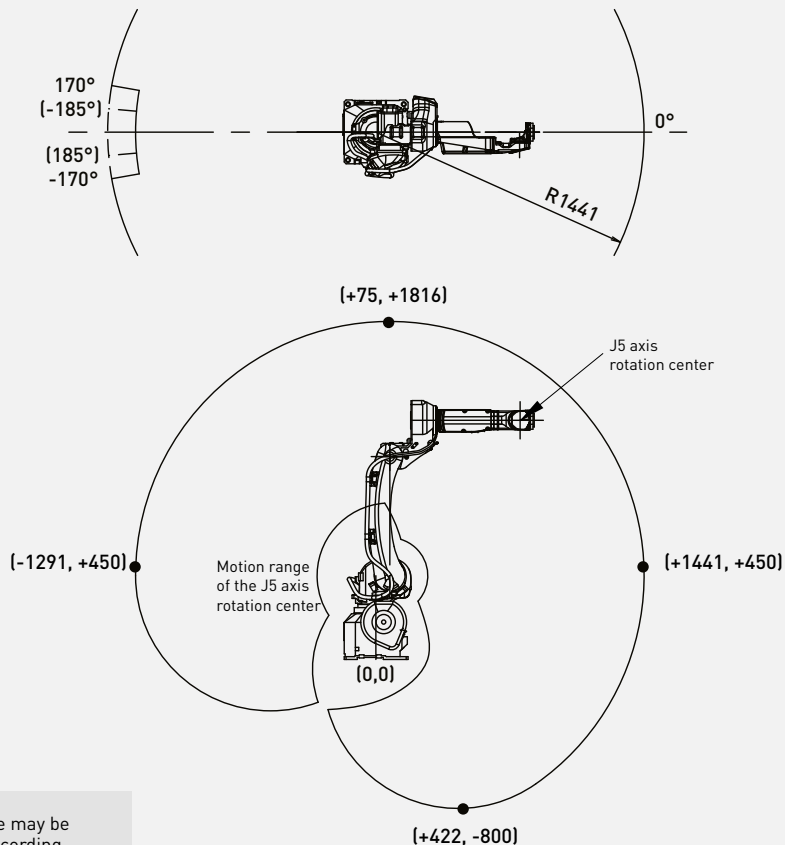
Max. load capacity  
at wrist: **12 kg**



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	450	380	380	900	260	240	260	430	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

	ARC Mate 100iD
Robot footprint [mm]	343 x 343
Mounting position Floor	●
Mounting position Upside down	●
Mounting position Angle	●

## Controller

	R30iB Plus
Open air cabinet	-
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	1/1
Integrated air supply	1

## Environment

Acoustic noise level [dB]	< 70
Ambient temperature [° C]	0-45

## Protection

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

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

\*Based on ISO9283