

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.

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 ²)	J5 Moment/Inertia (Nm/kgm ²)	J6 Moment/Inertia (Nm/kgm ²)
			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	430	450	720	26.0/0.90	26.0/0.90	11.0/0.30

Robot

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

Controller

Open air cabinet	R-30iB Plus
Mate cabinet	-
A-cabinet	o
B-cabinet	•
iPendant Touch	o
	•

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

