

FANUC

Speed, accuracy and maximum access



LONG ARM

for longer reach to work on bigger workpieces and cover a wider area



SLIM AND CURVED J2 ARM

to minimise interference



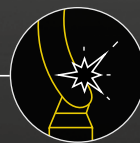
FULLY INTEGRATED WELDING HOSEPACK
and cable management



12 KG PAYLOAD
perfect for additional tooling



LARGE HOLLOW WRIST
and hollow arm



SMOOTH SURFACES
to minimise dust and dirt collection

NEW

ARC Mate 120iD/12L



Next level precision and productivity

- high rigidity for excellent repeatability
- slim, articulated design to weld in narrow machine tools and jigs
- smooth surfaces and recessed bolts to prevent dirt build up
- 57 mm diameter hollow arm for maximum snag-free access
- intelligent FANUC Zero Downtime software for accurate maintenance scheduling and less downtime

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ARC Mate 120iD/12L

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

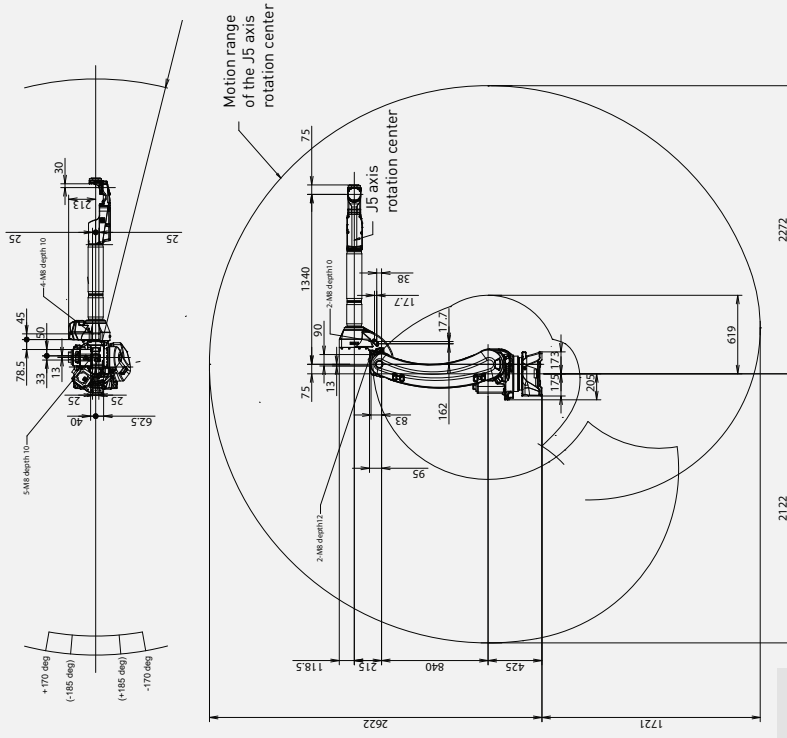


Max. reach:
2272 mm



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	± 0.03*	250	340 [370]	260	475	400	360	900	210	210	265	420	450	720	22.0/0.65	22.0/0.65	9.8/0.17

Working range



Motion range may be restricted according to the mounting angle!



Robot

Robot footprint [mm] 343 x 343
 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] 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 ISO283