THE FACTORY AUTOMATION COMPANY

FANUC

Think big

Heavy payload robot M-1000*i*A



STRONG WRIST
Compact design combined with high payload, moment and inertia

USER INTERFACE
Easy integration of services on arm J3

CLEAN DESIGN
Clean robot design minimises interferences with peripheral devices

SMOOTH SERIAL LINK DESIGN
Serial link instead of parallel link supports backflip operation on axis J3 for more flexibility and easy integration

EXCELLENT WEIGHT / PAYLOAD RATIO
5300 kg weight vs. 1000 kg payload

Wide range of J3 arm motion



Biggest serial link robot in FANUC line-up:

- highly suitable for heavy part handling (e.g. EV battery), heavy palletising or packaging and material handling operations
- high payload capacity of 1000 kg
  horizontal reach: 3253 mm
  vertical reach: 4297 mm
- IP54 at body, IP67 at wrist prepare the robot for all kind of application
- supports wrist inertia of 840 kgm² and wrist moment 5800 Nm

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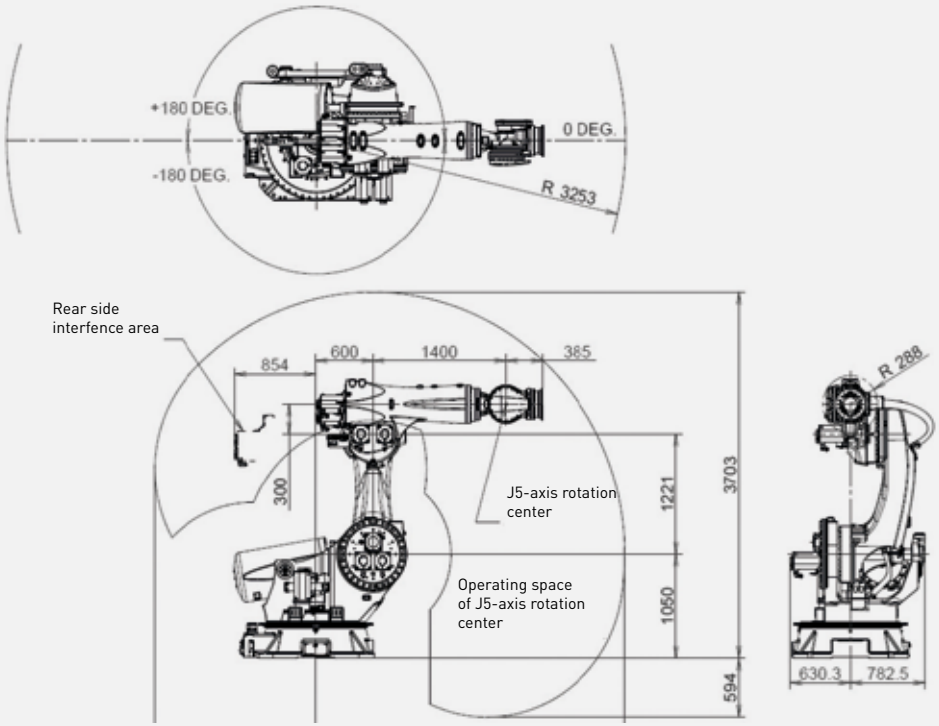
M-1000*i*A

Max. load capacity at wrist: **1000 kg**

Max. reach: **3253 mm**

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Moment/ Inertia (Nm/kgm²)	J5 Moment/ Inertia (Nm/kgm²)	J6 Moment/ Inertia (Nm/kgm²)
			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6			
6	± 0.1	5300	360	145	324	720	240	720	60	50	50	70	70	85	8800/1750	8800/1750	5800/840

Working range



Robot	**M-1000*i*A**
Robot footprint [mm]	1350 x 1210
Mounting position Floor	●
Mounting position Upside down	-
Mounting position Angle	-
Controller	**R-30*i*B Plus**
Open air cabinet	-
Mate cabinet	-
A-cabinet	●
B-cabinet	○
*i*Pendant Touch	●
Electrical connections	
Voltage 50/60Hz 3phase [V]	●
Voltage 50/60Hz 1phase [V]	380-575
Average power consumption [kW]	8
Integrated services	
Integrated signals on upper arm In/Out	8/8
Integrated air supply	2
Environment	
Acoustic noise level [dB]	-
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

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