

THE FACTORY AUTOMATION COMPANY

FANUC

Engineered for demanding tasks

M-950iA/500



HIGH RIGIDITY
thanks to robust construction
and strong wrist



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



500 KG PAYLOAD
for handling large and
heavy workpieces



HIGH PRECISION
Accuracy and stiffness
enhancement option available



**Wide range of
J3 arm motion**



Meet the new heavy-payload robot series M-950

- excellent weight/payload ratio 2500 kg weight versus 500 kg payload
- highly suitable for heavy part handling (e.g. EV battery), heavy palletising or packaging and material handling operations
- horizontal reach: 2830 mm, vertical reach: 3610 mm
- clean robot design minimises interferences with peripheral devices
- IP54 at body, IP67 at wrist prepare the robot for all kinds of applications
- supports wrist inertia of 445 kgm² and wrist moment 1850 Nm

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M-950iA/500



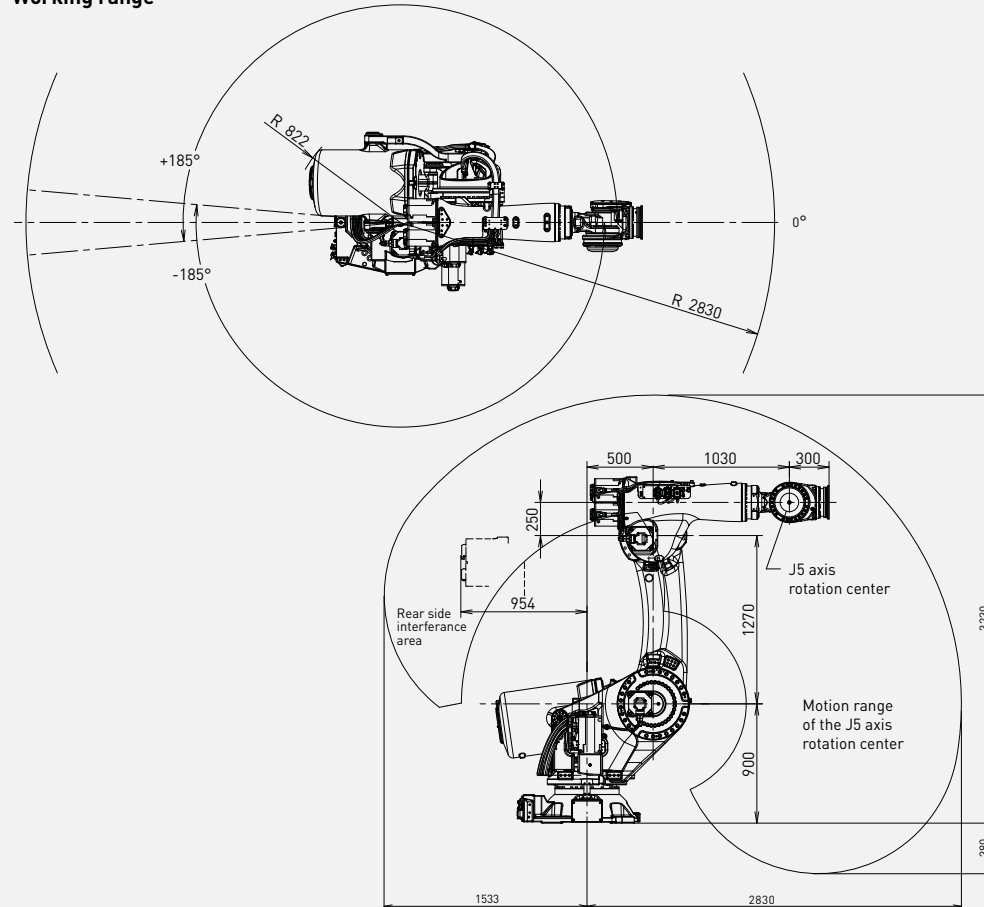
Max. load capacity
at wrist: **500 kg**



Max. reach:
2830 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	± 0.08*	2500	370	150	395	720	244	720	100	80	80	110	110	170	3420/1100	3420/1100	1850/445

Working range



Robot

M-950iA/500

Robot footprint [mm]	884 x 783
Mounting position Floor	●
Mounting position Upside down	-
Mounting position Angle	-



Controller

R-30iB 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]	-

Integrated services

Integrated signals on upper arm In/Out	8/8
Integrated air supply	2

Environment

Acoustic noise level [dB]	71.3
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