

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



**HIGH PRECISION**  
Accuracy and stiffness  
enhancement option available



**500 KG PAYLOAD**  
for handling large and  
heavy workpieces



**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 kgm<sup>2</sup> and wrist moment 1850 Nm

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# M-950iA/500



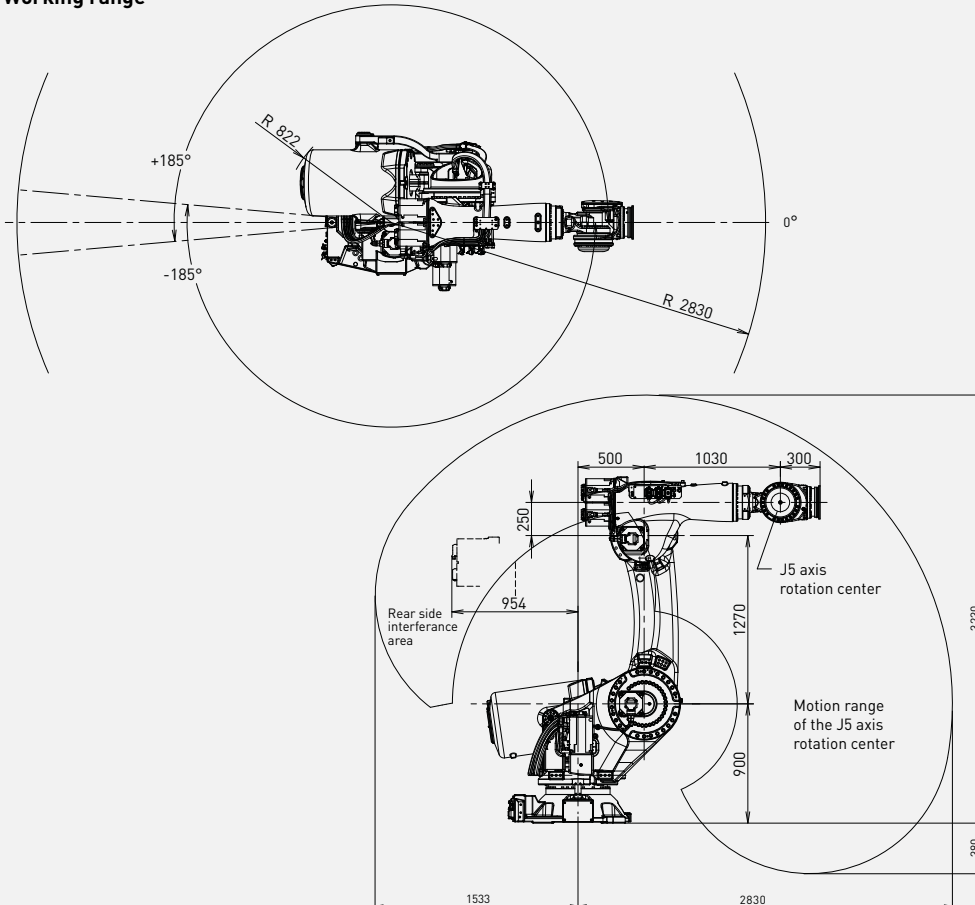
Max. load capacity  
at wrist: **500 kg**



Max. reach:  
**2830 mm**

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Moment/ Inertia (Nm/kgm <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	± 0.08*	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 IS09283