

FANUC

Fast, strong and very agile



INTEGRATED SERVICES
MOTOR, I/O AND
COMPRESSED AIR
SYSTEM INTEGRATED
IN THE ARM



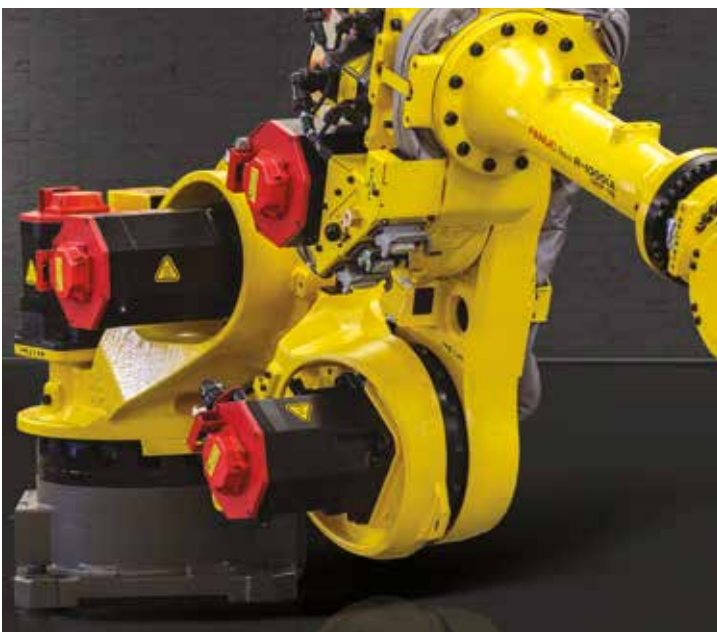
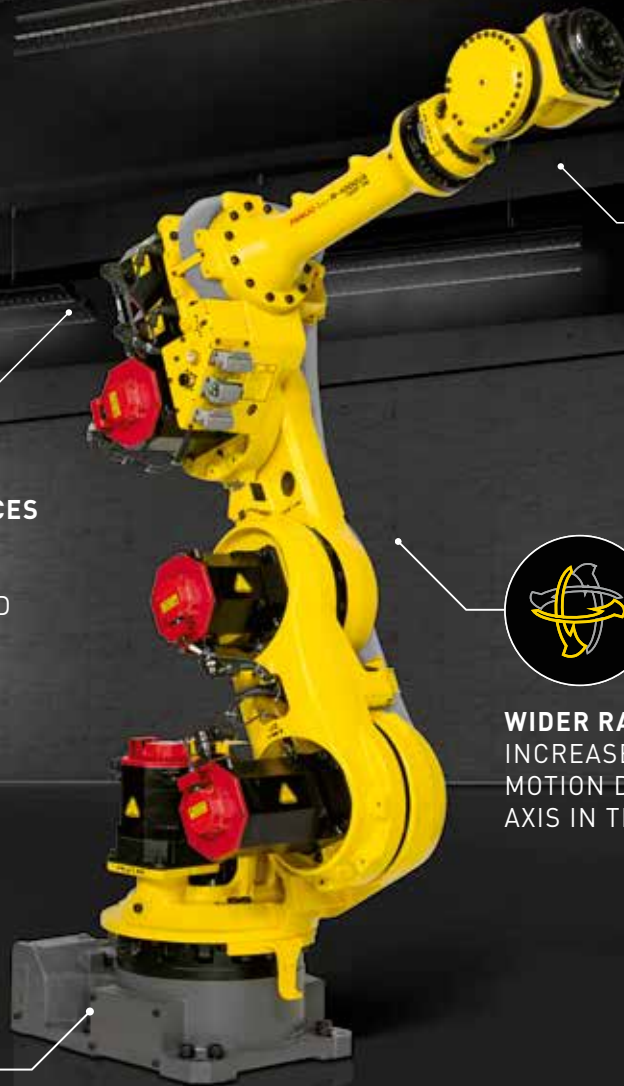
STRONG ARM
120 KG MAX
PAYLOAD



WIDER RANGE OF MOTION
INCREASED RANGE OF
MOTION DUE TO SEVENTH
AXIS IN THE ARM

NEW

R-1000iA/120F-7B



Flexibility regardless of the available workspace:

- enhanced, compact mechanical design with wider range of motion due to added seventh axis in the second arm
- variable arm size which can be shortened by 400 mm to easily operate in narrow spaces while retaining full operating radius
- highly suitable for spotwelding and material handling
- enhanced payload capacity of 120 kg
 - horizontal reach: 2230 mm
 - vertical reach: 3779 mm
- integrated services in the arm prevent interference contours

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R-1000iA/120F-7B

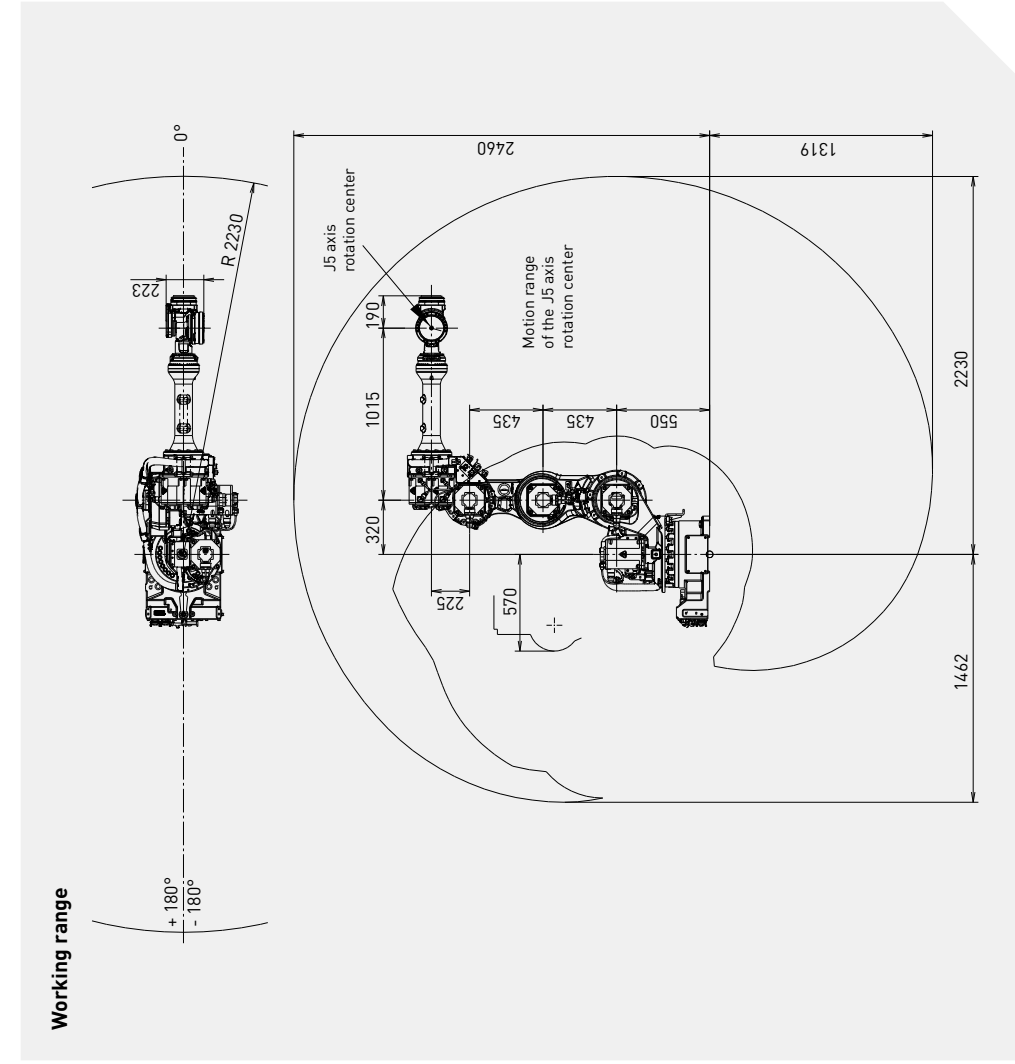
Max. load capacity
at wrist: **120 kg**



Max. reach:
2230 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	E1	J1	J2	J3	J4	J5				J6	E1
7	± 0.03*	790	360	200	385	720	250	720	225	130	110	120	170	170	250	130	800/71	800/71	360/38



Robot
 Robot footprint [mm] 605 X 450
 Mounting position Floor
 Mounting position Upside down
 Mounting position Angle

Controller
 Open air cabinet
 Mate cabinet
 A-cabinet
 B-cabinet
 iPendant Touch

R-1000iA/120F-7B
 R30iB Plus
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 O
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Electrical connections
 Voltage 50/60Hz 3phase [V] 380-575
 Voltage 50/60Hz 1phase [V] -
 Average power consumption [kW] 2.5

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

Environment
 Acoustic noise level [dB] < 70
 Ambient temperature [° C] 0-45

Protection
 Body standard/optional IP54/IP56
 Wrist & J3 arm standard/optional IP67

● standard ○ on request - not available () with hardware and/or software option *Based on ISO9283