

Compact, powerful and fully enclosed

LR-10iA/10



USER-FRIENDLY

Services completely integrated in the arm and all surfaces are smooth and extremely easy to clean



SLIM ARM - NARROW DESIGN

Quick, easy, and economical installation for all mounting positions and on AGVs



FULLY ENCLOSED DESIGN

IP67 protection is provided as standard



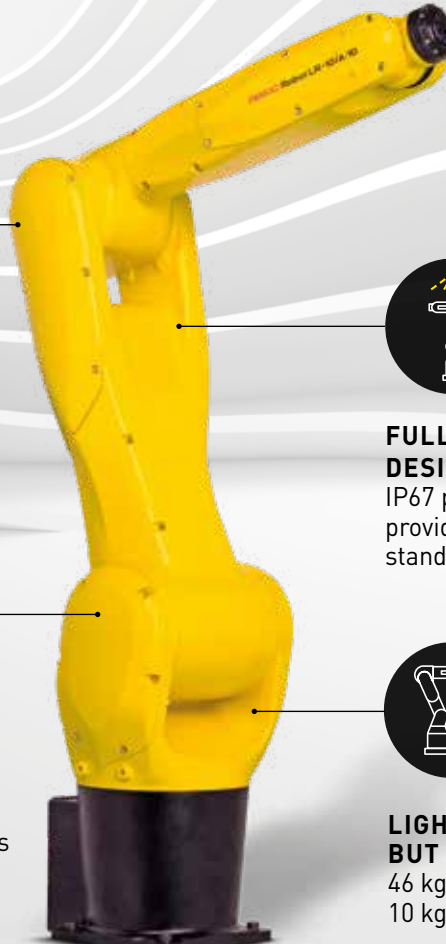
LIGHTWEIGHT BUT POWERFUL

46 kg weight vs.
10 kg payload



STRONG WRIST

Compact design combined with high payload, moment and inertia



Next level LR Mate



LR Mate 200iD



LR-10iA/10

Your ideal choice for small automation cells

- highly suitable for assembly, load/unload, packaging and material handling operations
- high payload capacity of 10 kg
- horizontal reach: 1101 mm
vertical reach: 1988 mm
- Same footprint as LR Mate 200iD/7L, but with 1.4 times the wrist payload and 1.2 times the maximum reach
- fully enclosed, IP67 as standard protection supports installation inside machine tool
- supports wrist inertia of 0.28 kgm² and pushdown force of 170 N
- flexible mounting (floor, angle, ceiling), also on mobile platforms
- more variations to come

LR-10iA/10



Max. load capacity
at wrist: **10/13 kg*1**



Max. reach:
1101 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
6	± 0.01	46	370	235	421	380	250	720	230	340	500	400	800	21.0/0.77	21.0/0.77	10.0/0.28

Robot

Robot footprint [mm]	LR-10iA/10
Mounting position	204 x 204
Mounting position Floor	•
Mounting position Upside down	•
Mounting position Angle	•

Controller

Open air cabinet	R-30iB Plus
Mate cabinet	-
A-cabinet	•
B-cabinet	-
iPendant Touch	•

Electrical connections

Voltage 50/60Hz 3phase [V]	-
Voltage 50/60Hz 1phase [V]	200-230
Average power consumption [kW]	-

Integrated services

Integrated signals on upper arm In/Out	6/2 *2
Integrated air supply	1

Environment

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

Protection

Body standard/optional	IP67
Wrist & J3 arm standard/optional	IP67

Auxiliary

Maximum linear speed [mm/sec]	4000
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*1) optional high payload mode = max 890mm operating space

*2) optional up to 3 solenoid valves supported

• standard ○ on request - not available () with hardware and/or software option

