

Compact, powerful and fully enclosed

LR Mate/10-11A



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



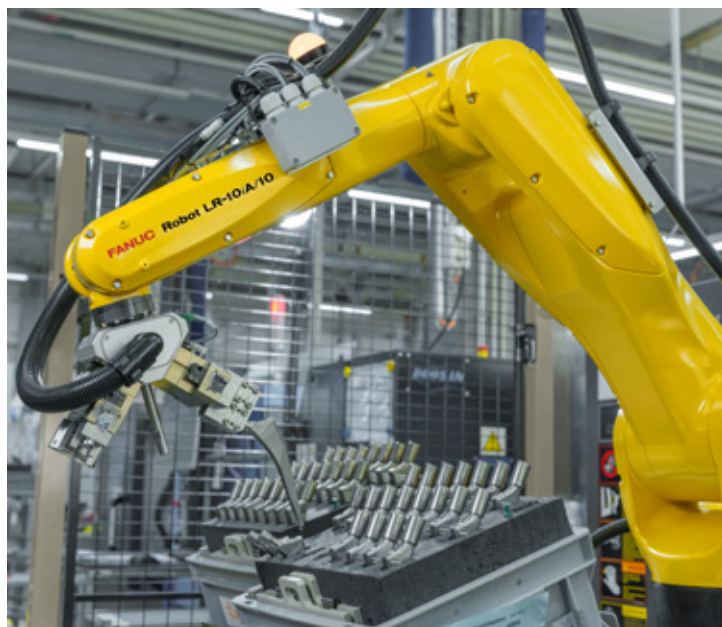
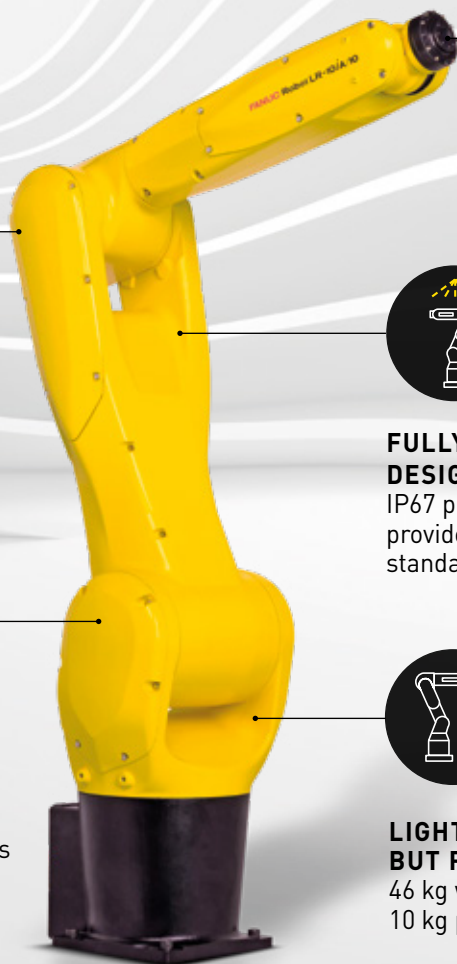
LIGHTWEIGHT BUT POWERFUL

46 kg weight vs.
10 kg payload



STRONG WRIST

Compact design combined with high payload, moment and inertia



Your ideal choice for small automation cells

- highly suitable for assembly, load/unload, packaging and material handling operations
- payload of 10 kg, extendable to 13 kg (with limited workspace)
- 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 Mate/10-11A



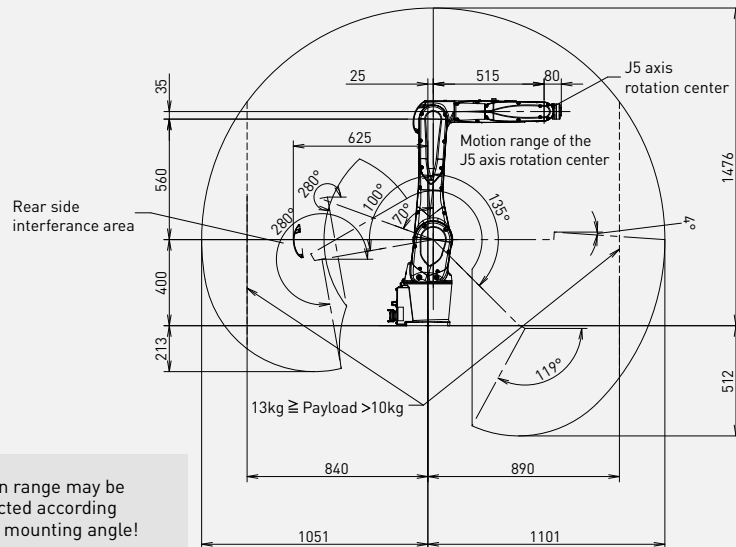
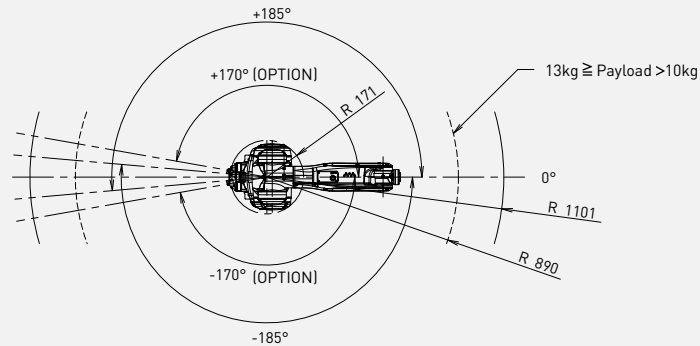
Max. load capacity
at wrist: **10/13 kg*1**



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	J6			
6	± 0.01	46	370	235	421	380	250	720	300	230	340	500	400	800	21.0/0.77	21.0/0.77	10.0/0.28

Working range



Motion range may be restricted according to the mounting angle!



Robot

LR Mate/10-11A

Robot footprint [mm]	204 x 204
Mounting position Floor	●
Mounting position Upside down	●
Mounting position Angle	●



Controller

R-50iA

Mate cabinet	●
A-cabinet	-
B-cabinet	-
iPendant Touch	●

Electrical connections

Voltage 50/60Hz 3phase [V]	200-230
Voltage 50/60Hz 1phase [V]	200-230
Average power consumption [kW]	0.5

Integrated services

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

Environment

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

Protection

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

Auxiliary

Maximum linear speed [mm/sec]	4000
-------------------------------	------

*1) optional high payload mode = max 890mm operating space

● standard ○ on request - not available [] with hardware and/or software option