

# Maximum precision and outstanding path accuracy

M-800iA/60



**HIGH ACCURACY**  
ideally suited for high accuracy path applications like 3-D Laser Cutting



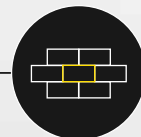
**HIGH PERFORMANCE**  
fast and accurate motion in narrow corners



**60 KG PAYLOAD**  
perfect for additional toolings



**iR CALIBRATION SIGNATURE**  
for absolute accuracy included as standard



**HIGH RIGIDITY**  
robust construction to increase precision



## Next level accuracy

- High performance at high speed motion in narrow corners
- Excellent results in linear and circular path accuracy
- Ideal solution for laser processing with a high demand on accuracy
- iR Calibration Signature as standard feature
- Rigid design for better resistance against deflection

# M-800iA/60



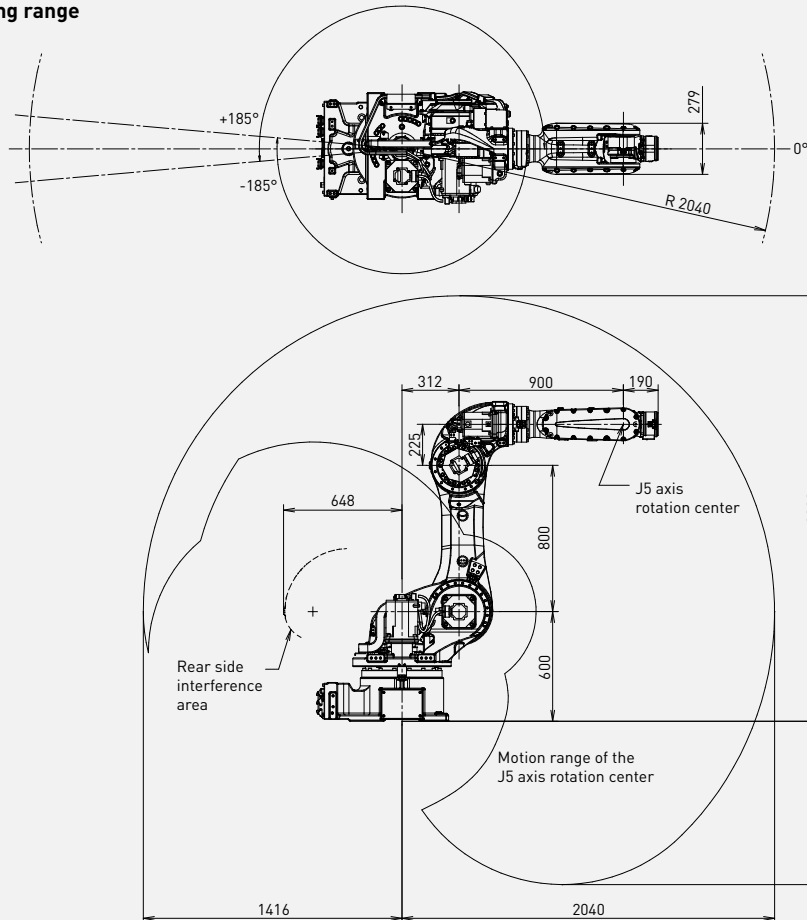
Max. load capacity  
at wrist: **60 kg**



Max. reach:  
**2040 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	± 0.015*	820	370	225	340	720	250	720	150	150	150	260	260	400	210/30	210/30	130/20

## Working range



### Robot

**M-800iA/60**

Robot footprint [mm]	515 x 505
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	1

### Environment

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

### Protection

Body standard/optional	IP54
Wrist & J3 arm standard/optional	IP54

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

\*Based on ISO9283