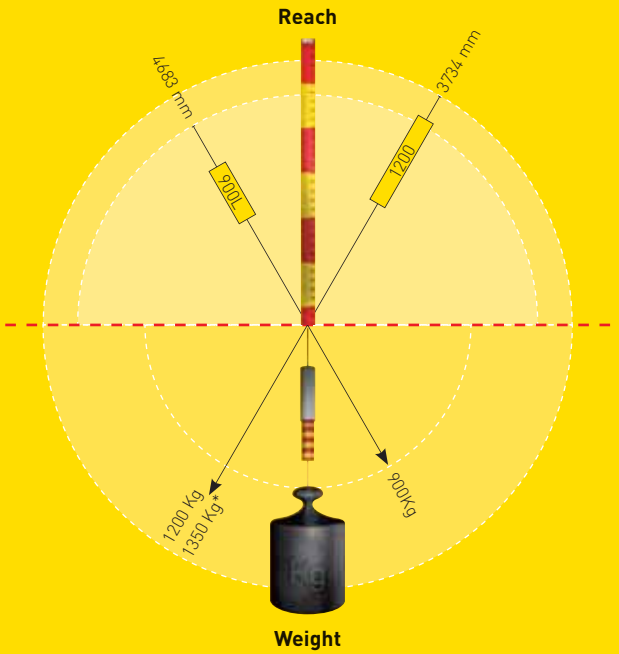
	Robot model	Controller	Controlled axes	Max. load capacity at wrist [kg]	Repeatability [mm]	Mechanical weight [kg]	Reach [mm]	Motion range [°]						Maximum speed [°/s]						J4 Moment [Nm]/ Inertia [kgm²]	J5 Moment [Nm]/ Inertia [kgm²]	J6 Moment [Nm]/ Inertia [kgm²]	IP Rating
								J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6				
M-2000*i*A	900L	R-30*i*A	6	900	0.5	9600	4683	330	160	165	720	240	720	45	30	30	50	50	70	14700/2989	14700/2989	4900/2195	Wrist IP67, body IP54
	1200 (1350 kg SW)		6	1200/1350	0.3	8600	3734	330	160	165	720	240	720	45	30	30	50	50	70	14700/2989	14700/2989	4900/2195	



Available in versions:

- M-2000*i*A/1200: World record 1350* kg (SW), long reach
- M-2000*i*A/900L: 900 kg, Super long arm

THE M-2000*i*A 6-AXES ROBOT SERIES ARE THE STRONGEST ROBOTS WORLDWIDE, WITH THEIR OUTSTANDING PAYLOAD CAPACITY AND LONG REACH THEY ARE DESIGNED FOR NEW INNOVATIVE APPLICATIONS AND TO REPLACE CRANES, LIFTERS, SHUTTLES AND MORE.

FEATURES AND BENEFITS

M-2000*i*A Series, – the strongest robots world-wide for material handling and palletizing:

- Handling and palletizing in the Building Materials Industry
- Handling and palletizing in the Beverage Industry
- Handling and palletizing in the Wood Industry
- Handling ultra heavy structures and products in the Steel Industry
- Manufacturing heavy vehicles, tractors and other equipment

WORLD RECORD PAYLOAD AND WRIST MOMENTS

- The world record wrist capacity (1200 kg with a 1.25m offset) allows to handle largest parts and structures e.g. a complete tractor frames or a complete CNC machine bed.
- With one FANUC M-2000*i*A robot doing the job of (otherwise) 2 or 4 conventional robots, robot systems become much simpler, easier to reprogram and reliable.

REACH AS FAR AS A CRANE

- The outstanding vertical lifting stroke (6.2 m for M-2000*i*A/900L) and horizontal reach (4.68 m for M-2000*i*A/900L and 3.73 m for M-2000*i*A/1200/1350) means handling the largest of work pieces easily.
- No additional rail unit required for parts transfer and palletizing operations
- With huge payload and reach the FANUC M-2000*i*A robots will replace conventional cranes, lifters and shuttles thus multiplying production output with a fully automated operation at the same time eliminating dangerous manual work.

SLIM AND RELIABLE J3 ARM AND WRIST

- With the wrist motors mounted near the J3 axis rotation center the J3-arm is slim and can access into narrow spaces
- The J4 reducer at the end of J4 keeps the whole J3 arm stationary. Axis 4 rotates at end of arm
- Equipment can be mounted on the stationary part of the J3 arm close to the robot gripper. EE and user cable and air connectors for gripper control at the J3 axis simplify installation.

PROVEN TOP RELIABLABILITY

- Reliable long-life design - proven in the automotive industry
- Same wrist and robot arm design as proven in the popular thousands of FANUC robots R-2000*i*B and M-900*i*A in the automotive industry and toughest applications.

ADDITIONAL MOUNTING FACILITY ON J3 ARM AND ON J2 BASE

- Capability to mount additional 50 kg on the J3 arm at full payload at wrist
- Equipment mounting close to the wrist on the rigid J3 arm keeps "free" gripper hoses and cables short and avoids wear and tear
- Capability to mount additional 550 kg on the J2 base at full payload at wrist

COMPACT, WATER AND DUST PROOF WRIST: NO MOTORS AND IP 67

- No electrical elements at wrist: all motors for wrist motion are mounted on the robot's "shoulder", J3.
- Reduced risk of damaging the wrist motors because of high heat or harsh environment
- Compact design to access narrow spaces
- High loads and high duty cycles possible thanks to good air cooling of the wrist motors
- Wrist unit sealed against dust and water according to IP67

STANDARD AIR AND ELECTRICAL CONNECTIONS PROVIDED TO AXIS J3

Integrated air and electrical services from J1 to J3

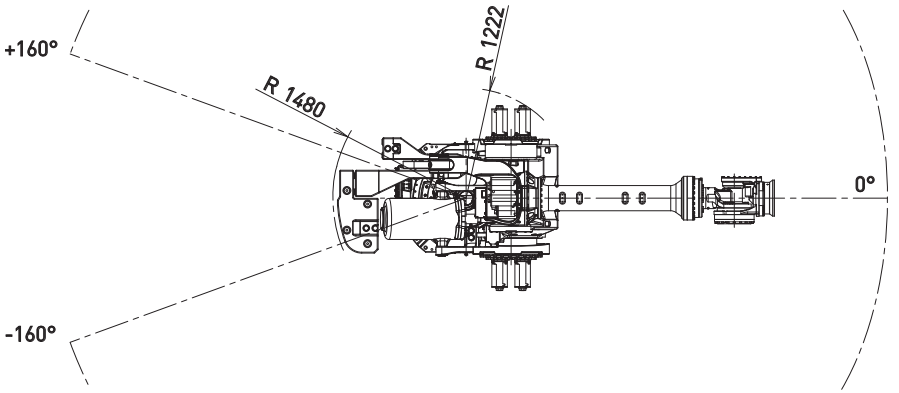
- Short connections to tool
- Increased wiring reliability
- Proven reliability (factory built)

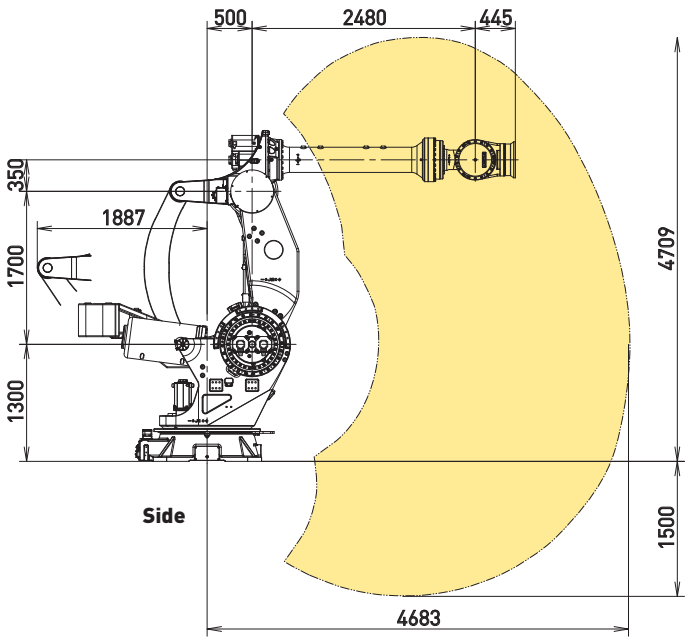
HIGH MECHANICAL RIGIDITY WITH MOTORS DIRECTLY COUPLED TO THE REDUCER

- Suitable for constant force applications such as routing, cutting, deflashing, polishing, deburring, etc...
- Simple mechanical design of proven high reliability
- Compact arm and moderate floor space requirements
- High accuracy and minimum backlash

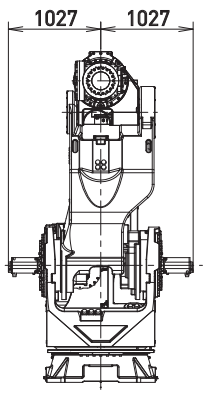
M-2000*i*A/900L

Top view



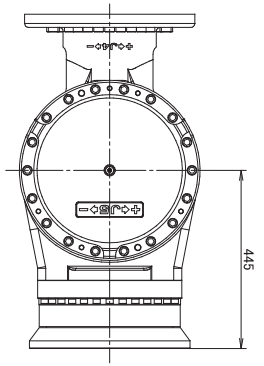


Side



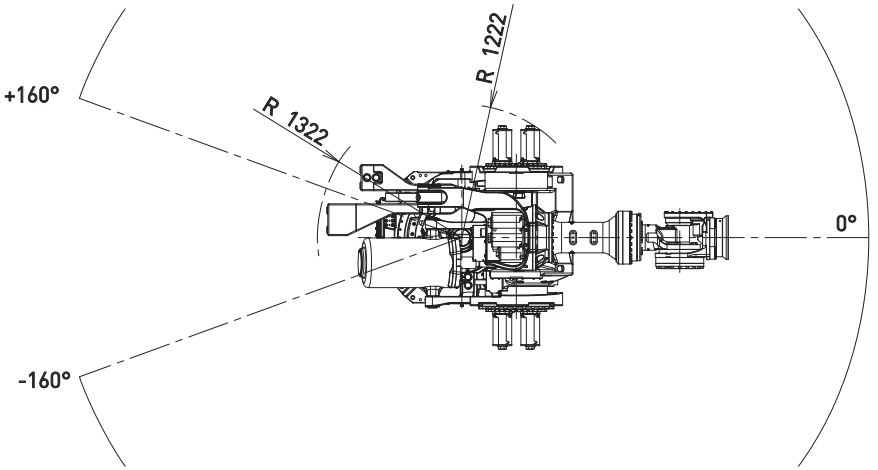
Front

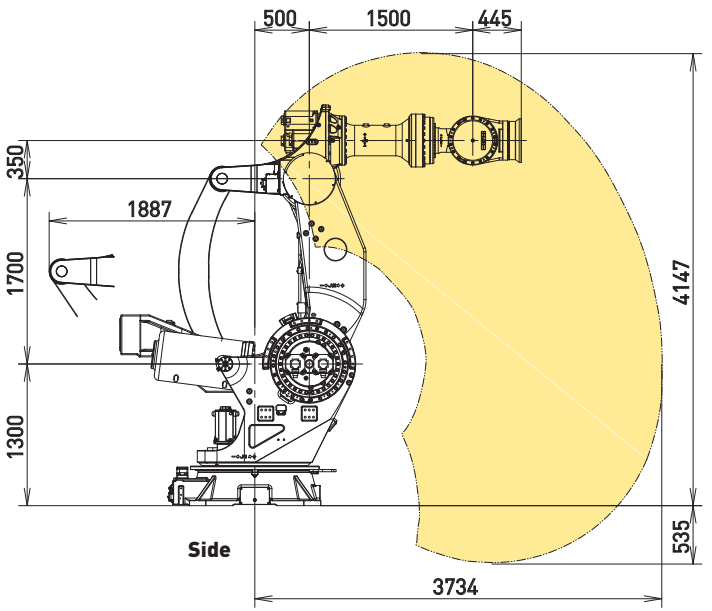
Wrist M-2000*i*A/900L/1200 (1350 kg)



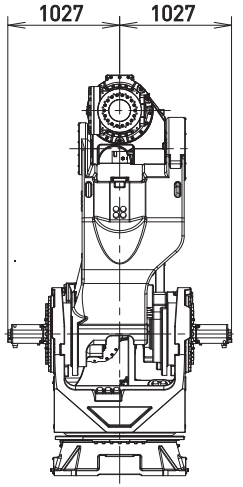
M-2000*i*A/1200 (1350 kg)

Top view





Side



Front

Footprint M-2000*i*A