

FANUC M-2000iA™ SERIES

HEAVY CAPACITY ROBOT SYSTEMS

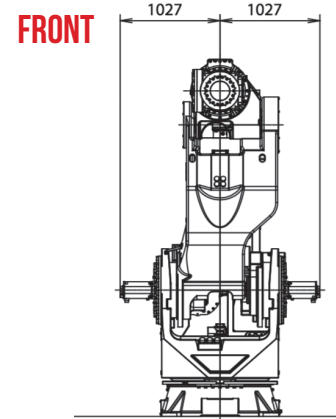
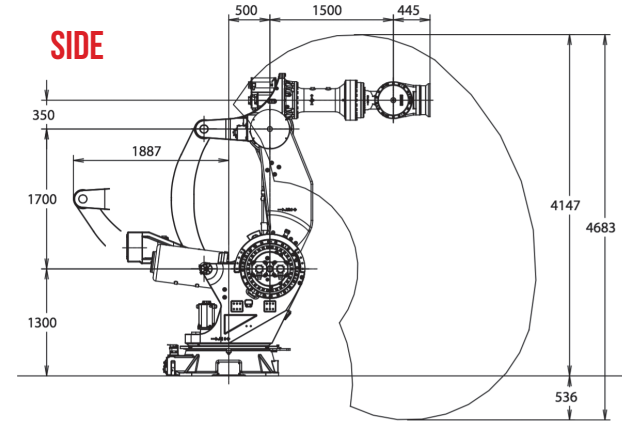
WHEN SHELL-O-MATIC CREATED ITS ROBOT PRODUCT LINE, WE INCLUDED A MODEL WITH A PAYLOAD UP TO 2300 KG/5070 LBS.

FANUC Robotics' M-2000iA series robot is engineered for applications that cannot be handled by traditional robots due to work piece size or distances they must be moved. The world's leading supplier of robots has now greatly expanded robot applications with the M-2000iA series. The M-2000iA series is the world's largest and strongest six-axis, modular construction, electric servo-driven family of robots designed for a variety of manufacturing and systems processes.



SPECIFICATIONS

ITEMS		M-2000iA/ 1200	M-2000iA/ 900L	M-2000iA/ 1700	M-2000iA/ 2300
Axes		6	6	6	6
Payload - Wrist (kg)		1200	900	1700	2300
Reach (mm)		3734	4638	4683	3734
Repeatability (mm)		±0.3	±0.5	±0.27	±0.18
Motion range (degrees)	J1	330 (±165)		330	
	J2	160 (+100/-60)		160	
	J3	165 (+35/-130)		165	
	J4	720 (+/-360)		720	
	J5	240 (+/-120)		240	
	J6	720 (+/-360)		720	
Motion speed (degrees/s)	J1	45		20	
	J2	30		14	
	J3	30		14	
	J4	50		18	
	J5	50		18	
	J6	70		40	
Wrist moments N-m (kgf-m)	J4	14700(1500)		29400	
	J5	14700(1500)		29400	
	J6	4900(500)		8520	
Wrist load inertia (kg-m²)	J4	2989		7500	
	J5	2989		7500	
	J6	2195		5500	
Mechanical brakes		All Axes	All Axes	All Axes	All Axes
Mechanical weight (kg)		8600	9600	12500	11000
Mounting method ⁽¹⁾		Floor	Floor	Floor	Floor
Installation environment		0 to 45		0 to 45	
Ambient temperature (°C)					
Humidity		Normally: 75% or less Short term (within a month): 95% or less No condensation (No dew or frost)			
Vibration (m/s²)		4.9 or less (0.5G or less)			
IP rating(s)		Wrist IP67, rest IP54			



FACEPLATE

