



Productivity Inc.®



Productivity Pre-Engineered Systems  
**LOWER** initial investment.  
**SHORTER** lead times.  
**PREDICTABLE** results.

# Pre-Engineered CNC Machine Tending Robotic Systems



## System Options



**Quick-Change Gripper Mount** allows the operator to change gripper head assemblies in seconds.



**Part Re-Grip Station** provides a quick change base that can accommodate a variety of small fixtures a robot may require in dual sided operations.



**Door Actuator** allows the robot to automatically open and close the machine door. There are several models based upon your configuration.



**iR-Vision Robotic Vision System** allows operators to randomly place parts onto the infeed device.



**Part Inspection Chute** allows the robot to place parts external to the robot. These can be used for mass part collection or to handle in-process inspection.



**Workholding** options are available. Please discuss your needs with your sales specialist.

### Docking Cabinet 6-Drawer

*Key Features*

- High volume vertical part storage in a compact space
- Multi-machine layouts
- Lathes and mills possible
- Multiple cabinets in the cell
- Easy, fast changeover
- Suitable for larger heavier parts

### RoboFlex DC6 Base Package Popular Options

(others by consultation)

- FANUC iR-Vision 2D part locating system
- Re-grip/flip station
- Part inspection/exit chute
- Pneumatic vertical sliding shutter
- Fast servo (2) door shutter
- High-speed servo door actuator
- Upgrade to quick-change tool stem
- Extra quick-change dual gripper assembly
- Additional machine integration
- Vise mount casting for rotary table (8")
- Schunk KSP 160 Plus vise



**Machine Interface** provides electrical connection of each machine tool to the robot. Only one is included. Each machine tool needs one.



**Gripper Head Assembly** can be provided if you want to have your cell be quickly changed over in multi-part operations.

# M-20iD/25



Max. load capacity at wrist: 25 kg



Max. reach: 1831 mm

# FANUC

Robot			Max. load capacity at wrist (kg)	Reach (mm)	Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Moment/Inertia	J5 Moment/Inertia	J6 Moment/Inertia	Average Power consumption (kW)	Protection	
Series	Version	Type						J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6					Body standard/optional	Wrist & J3 arm standard/optional
M-20	iD	25	25	1831	6	±0.02**	250	340 (370)	260	458	400	360	900	210	210	265	420	420	720	52/2.4	52/2.4	32/1.2	1	IP5/4I	IP67

● standard ○ on request - not available \*\* Based on ISO9283

# M-10iD/12 (Hollow wrist)



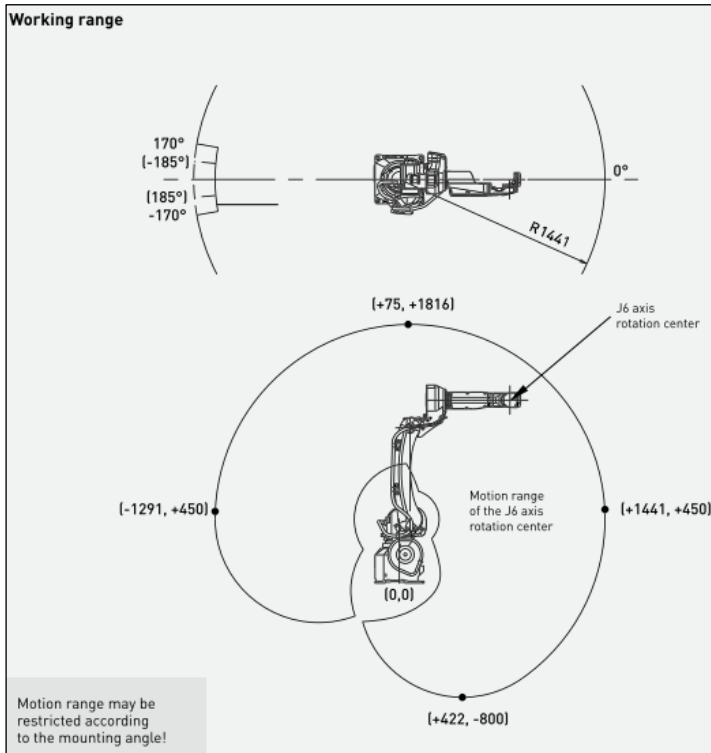
Max. load capacity at wrist: 12 kg



Max. reach: 1441 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	E1	J1	J2	J3	J4	J5	J6	E1					
6	± 0.02*	145	340 (370)	235	450	380	380	900	-	260	240	260	430	450	720	-	26.0/0.90	26.0/0.90	11.0/0.30		

## M-10iD/12



## M-20iD/25

