



Fast, Accurate, Flexible, Affordable

The autoMate Universal is our original turnkey machine tending system. It is designed to accommodate a broad range of machine tools and machine tending applications.

The autoMate Universal combines all the reliability of a FANUC Robot with the machine tending expertise that Matrix has become famous for. It is the perfect solution for most machine tending applications.

Suitable Applications

- Machine tending
- Palletizing
- Gaging and sorting
- Error proofing of components
- Deburring and other secondary operations
- Part cleaning and coolant recovery

Features & Benefits

- Small footprint - Sheet metal enclosure minimizes floor space
- Generous working payloads
- Large work envelope
- Main access door with integrated drip pan for easy machine access
- Additional access panels for operator access to auxiliary equipment
- On board PLC for real time signal processing
- Operator panel with pushbuttons streamlines and simplifies operator interface
- Integral solenoid valves in robot J3 arm for actuation of end of arm tooling (EOAT)
- Robot size permits operation in tight work spaces
- Absolute encoder positioning eliminates homing at power up
- Hollow robot joint construction encloses all cables and hoses
- Auxiliary cables and connections routed to avoid interfering with work envelope

Available Options

- Custom designed end of arm tooling (EOAT)
- Custom part tray design
- Filter/regulator with digital pressure switch
- Safety mats and other safety devices
- SPC and reject part transfer
- Alternate part infeed options (feeder bowls, conveyors, stacking systems)
- Stations for deburring and other secondary operations
- Cleaning and coolant recovery solutions
- Gage interfacing
- Stack light
- Color, graphical, network-ready iPendant teach pendant
- Alternate input voltage options
- CSA mark robot
- CE mark robot
- Custom Factory Specifications
- Custom installation and training programs available
- Extended warranties available



(Optional Equipment Shown on autoMate Universal)

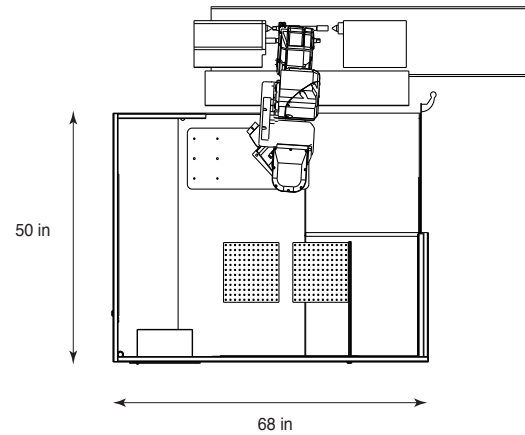
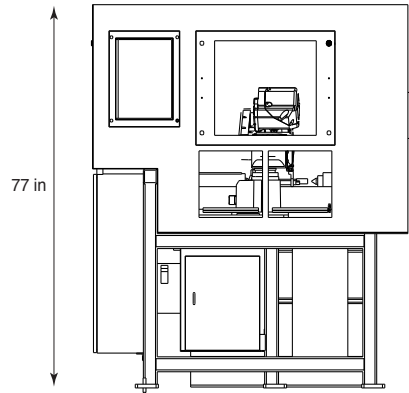


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SPECIFICATIONS

Robot	FANUC LR Mate 200iC
Axes	6
Payload (kg)	5
Reach (mm)	700
Repeatability (mm)	+/- 0.02

Motion Speed (deg/sec)

J1	180
J2	180
J3	225
J4	400
J5	330
J6	480

IP Ratings

Body	IP65
Forearm	IP67
Wrist	IP67

Pallet Dimensions (mm/in)

Length	300/12
Width	300/12

Robot Controller	System R-30iA Mate
Available Vision	FANUC iRVision
Input Voltage	220VAC / 1 Phase

PRICING

Base System Price **\$ 55,985**

Base system includes engineering and documentation for a standalone system, as well as the following FANUC options on the robot;

FANUC Color iPendant	PMC option for realtime processing
Collision Guard	Five slot Model A I/O rack
Collision Skip	1 input/1 output IO Module (16in/16out)

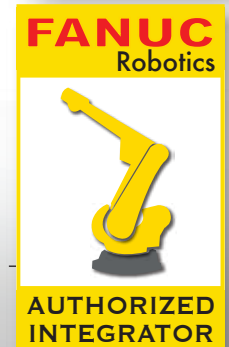
Robot End Effector	1 Gripper - 2 Jaw	\$ 2,780. ⁰⁰
	2 Gripper - 2 Jaw/90	\$ 3,720. ⁰⁰
	2 Gripper - 2 Jaw/180	\$ 3,605. ⁰⁰
	1 Gripper - 3 Jaw	\$ 3,005. ⁰⁰
	2 Gripper - 3 Jaw/90	\$ 4,175. ⁰⁰
	2 Gripper - 3 Jaw/180	\$ 4,060. ⁰⁰

Gripper Finger Sets	1 Gripper - 2 Jaw	\$ 1,380. ⁰⁰
	2 Gripper - 2 Jaw	\$ 1,820. ⁰⁰
	1 Gripper - 3 Jaw	\$ 1,595. ⁰⁰
	2 Gripper - 3 Jaw	\$ 2,200. ⁰⁰

Ancillary Equipment	Stack Light	\$ 985. ⁰⁰
	Air Blast	\$ 1,225. ⁰⁰
	Single Pallet Drawer	\$ 3,495. ⁰⁰
	Dual Pallet Drawer	\$ 5,995. ⁰⁰
	Part Pallet (estimated)	\$ 2,980. ⁰⁰
	Conveyance	(Please Call)
	iRVision - 2D Guided	\$ 9,950. ⁰⁰
	iRVision - GigE High Res	\$ 12,950. ⁰⁰
	Machine Interface	\$ 3,050. ⁰⁰

Services	Run-Off/Training (Local)	\$ 4,850. ⁰⁰ /wk
	Run-Off/Training (Remote)	\$ 5,850. ⁰⁰ /wk

Prices are correct at the time of publication. However, our prices are regularly reviewed and are subject to change without notice.



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