



SIMPLIMATIC
AUTOMATION

Keep it smart. Keep it simple.

FANUC Robot M-1*i*A

Performance Meets Precision

Simplimatic Conveyors with FANUC Integration

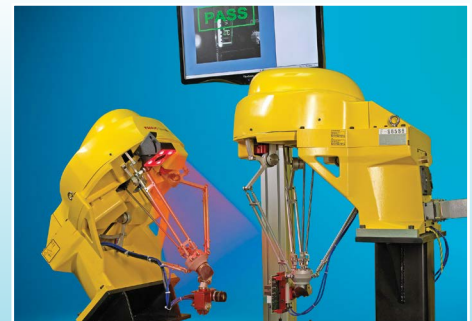
The combination of Simplimatic Automation's electronics and semiconductor integration experience with the knowledge and expertise from FANUC provides cost-effective, state-of-the-art robotic solutions for a multitude of material handling and back-end assembly applications.



FANUC Robot M-1*i*A

Compact, Flexible and High-Speed Assembly

The M-1*i*A is a lightweight and compact high-speed assembly robot. Its work envelope keeps limited to the operation at task, allowing free angle installation options, minimal space and the ability to work alongside manufacturing line workers. A camera for *i*RVision (integrated vision) can be integrated in the mechanical unit for advanced robot control.



STANDARD FEATURES

- Unique parallel-link mechanism enables high-speed motion
- Multiple space-saving installation methods include desktop stand, no stand and ceiling mount
- Camera for *i*RVision can be integrated in the mechanical unit
- Two models available to meet a variety of applications:
 - o FANUC Robot M-*i*A/0.5A
 - Three-axis wrist (6 axes total) type
 - Flexible wrist motion suitable for assembly
 - o FANUC Robot M-1*i*A/0.5S
 - Single-axis wrist (4 axes total) type
 - High-speed 3000 deg/s wrist suitable for picking





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FANUC Robot M-1iA

SPECIFICATIONS		M-1iA/0.5S	M-1iA/0.5A
Type	Parallel link mechanism		
Controlled Axes	4 Axes (J1, J2, J3, J4)		6 Axes (J1, J2, J3, J4, J5, J6)
Installation	Floor & ceiling mount		Floor, angle & ceiling mount
Motion Range (Max. Speed) (Note 2)	J1-J3 Axis	Diameter 280mm, height 100mm	
	J4 Axis	720° (3000°/s) 12.57 rad (52.34 rad/s)	720° (1440°/s) 12.57 rad (25.13 rad/s)
	J5 Axis	—	300° (1440°/s) 5.24rad (25.13 rad/s)
	J6 Axis	—	720° (1440°/s) 12.57 rad (25.13 rad/s)
Max. Payload at Wrist	0.5kg (1kg with an option)		
Repeatability	± 0.02 mm		
Drive Method	Electric servo drive by AC servo motor		
Mass (Note 2)	14 kg	17 kg	
Installation Environment	Ambient Temperature: 0~45°C Ambient Humidity: Normally 75%RH or less (No dew, nor frost allowed), Short Term maximum 95%RH or less (within one month) Vibration: 0.5G or less		
Note 1: In case of short distance motion, the axis speed doesn't reach maximum one. Note 2: In case of "No stand"			