



flexMate S710



Fast, Accurate, Flexible, Affordable

The flexMate S710 was developed by Matrix Design, LLC., to serve as an affordable yet flexible machine tending solution. In this capacity, the flexMate is capable of servicing a variety of machine tools.

- Machining Centers
- Drill / Tap Machines
- Cylindrical Grinding Machines

The flexMate's integral sheet metal enclosure not only looks sleek, but is functional as well - it has been designed to provide maximum operator access while taking up minimal factory floor space. Additionally, the plank grating floor and sub-flooring have been designed to keep your metal-working fluids contained and your facility clean. Modular construction allows for variable infeed configurations.

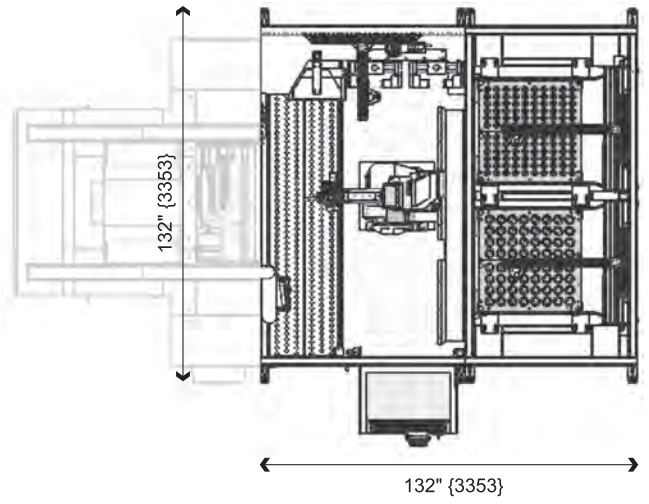
The flexMate's solid construction makes it a cinch to install. Whether you can use one of our standard machine interfacing solutions, or whether a custom interface is required, the flexMate arrives at your facility ready to work.

Features & Benefits

- Increased productivity and throughput versus manual parts loading.
- Small footprint - Sheet metal enclosure minimizes floor space.
- Containment of metalworking fluids for clean working environment.
- Access door provides easy entry to machine and automation system.
- Operator panel with pushbuttons simplifies operator interface.
- Generous working payloads & large work envelopes.
- On board PLC for real time signal processing.
- Absolute encoder positioning eliminates homing at power up.

Available Options

- Custom designed end of arm tooling.
- Pallet drawer part infeed option.
- Motorized conveyor infeed options.
- Alternate part infeed options (feeder bowls, gravity tracks, etc.).
- SPC part options.
- Reject part options.
- Secondary operation processing (debur, post process gage, etc.).
- Custom part tray design.
- Color, graphical, network-ready iPendant teach pendant.
- CSA mark robot/CE mark robot.
- Extended warranty available.
- Installation / run-off / training assistance.



SPECIFICATIONS

M710iC/50/70

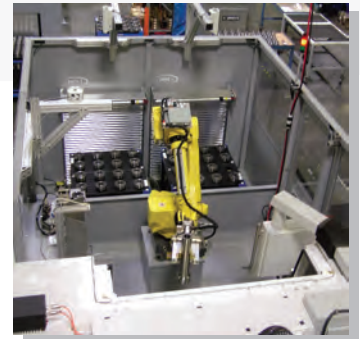
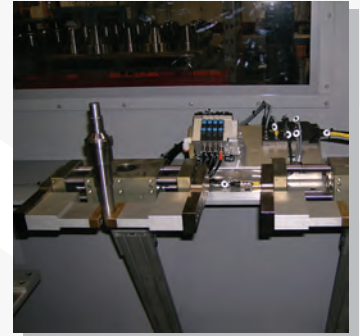
Axes	6
Payloads (kg)	50/70
Reach (mm)	80.7" {2,050}
Repeatability (mm)	+/- 0.003" {0.08 mm}
Motion Range (deg)	

J1	320/360/370
J2	225
J3	440
J4	720
J5	250
J6	720

IP Ratings

Body	IP54 (Option IP67)
Forearm	IP67
Wrist	IP67

Pallet Dimensions (mm)	36" {914 mm} L x 36" {914 mm} W
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