Model MT20D Machine Tender

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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<td><strong>Robot</strong></td>
<td>20kg Payload capacity, six-axis, electric servo driven robot with controller and color Teach Pendant.</td>
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<tr>
<td><strong>Operator Interface</strong></td>
<td>FANUC R-30iB Robot controller and teach pendant with Touch Screen.</td>
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| **Drawer System**    | Modular construction  
  - Part area 48” wide x 24” deep x 6” high  
  - 24” x 60” integrated tabletop  
  - Structural tube frame with integral fork truck pockets |
| **Robot Tooling Prep** | Main air supply filter-regulator with manual lockout and shut-off. Robot shoulder kit with two double solenoid valves for gripper actuation and one single solenoid for air blast. |
| **Stacklight**       | Mounted on included safety fence panel to indicate machine status                                                                            |

Specifications subject to change without notice.

**OPTIONS**

- Vision camera and lighting for random/non-fixtured part pick in drawer
- Extruded aluminum/woven wire safety fence enclosure with interlocked access door(s)
- Drawer fixture plates
- Task lighting over tabletop
- Scalable, other robot size and payload capacity available
- Part take-away conveyor for use when finished parts are not placed back into the drawer

The Model MT20D Robotic Machine Tending System provides an automated method for loading into and out of virtually any machine tool. A unique drawer system is utilized for parts storage whereby customer supplied fixtures are placed in the drawers, providing consistent part locations for robotic unload. This system incorporates the latest robotic technology, allowing the operator to load the system and walk away while parts are being processed automatically.

**FEATURES**

- Simple drawer system for parts loading
- Compact size
- Integrated table top
- Fork truck pockets on drawer base
- Modular construction

**BENEFITS**

- Easy to use. Operator can access drawers not in use by robot and refill with raw parts. Uses customer made fixture plates reducing cost.
- Provides good line of sight to machining process while still maintaining access to the machine controller.
- Convenient place for gauging of parts after processing. May also be used for other quality control functions.
- Provides easy relocation of drawer system.
- Promotes quick installation and commissioning of system.
Model MT20D
Machine Tender

Optional - Drawer Fixtures Plates

Optional - Dual End of Arm Tooling

Robot Controller with Touch Screen Teach Pendent

Configuration - Parallel Front entry

Configuration - Dual Machine 90 Degree

Configuration - Perpendicular End Entry