

Model MT20D Machine Tender



S P E C I F I C A T I O N S

Robot	20kg Payload capacity, six-axis, electric servo driven robot with controller and color Teach Pendant.
Operator Interface	FANUC R-30iB Robot controller and teach pendant with Touch Screen.
Drawer System	Modular construction <ul style="list-style-type: none"> • 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.

O P T I O N S

- 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.



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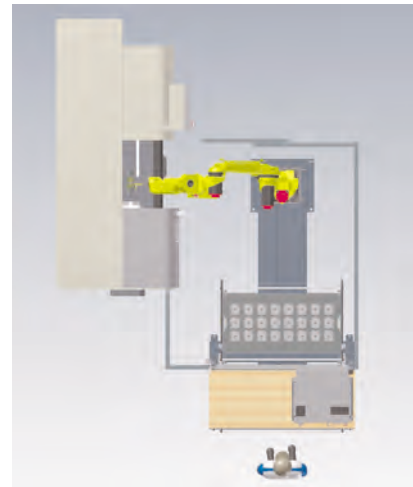
Optional - Drawer Fixtures Plates



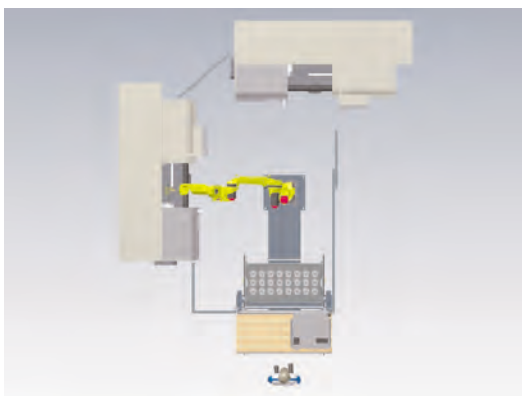
Optional - Dual End of Arm Tooling



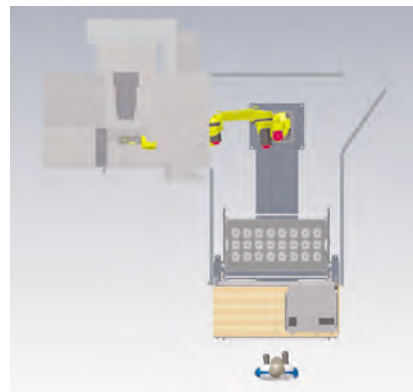
Robot Controller with
Touch Screen Teach Pendant



Configuration - Parallel Front entry



Configuration - Dual Machine 90 Degree



Configuration - Perpendicular End Entry