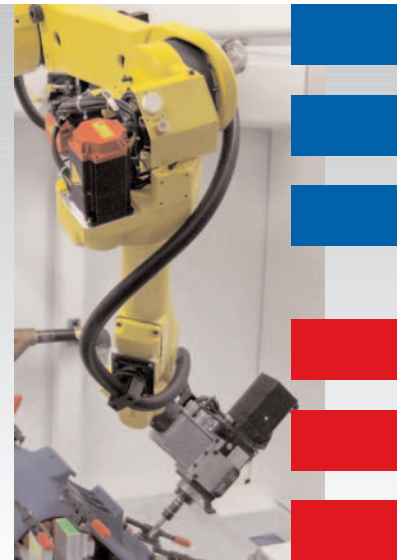


KMT Robotic Solutions RoboTrim® FT-502 ROUTER TRIMMING SYSTEM

The FT-502 trimming system offers manufacturers a great deal of trimming flexibility in a small footprint



System Benefits

The RoboTrim® FT-502 is a cost-effective, turnkey router trimming solution designed to help blowmolders, injection molders, thermoformers, rotational molders and composites manufacturers increase throughput, uptime and employee safety. The FT-502's compact footprint takes up less space on the plant floor, but gives manufacturers the flexibility they need to trim a variety of parts.

Robot

Each RoboTrim FT-502 routing system comes with a wall-mounted, six-axis KMT AccuTrim® R-44 robot, its R-30iA robot controller and a FANUC iPendant™ color teach pendant. A single-ended, 3 horsepower fan cooled spindle is mounted to the end of the robot.

Software

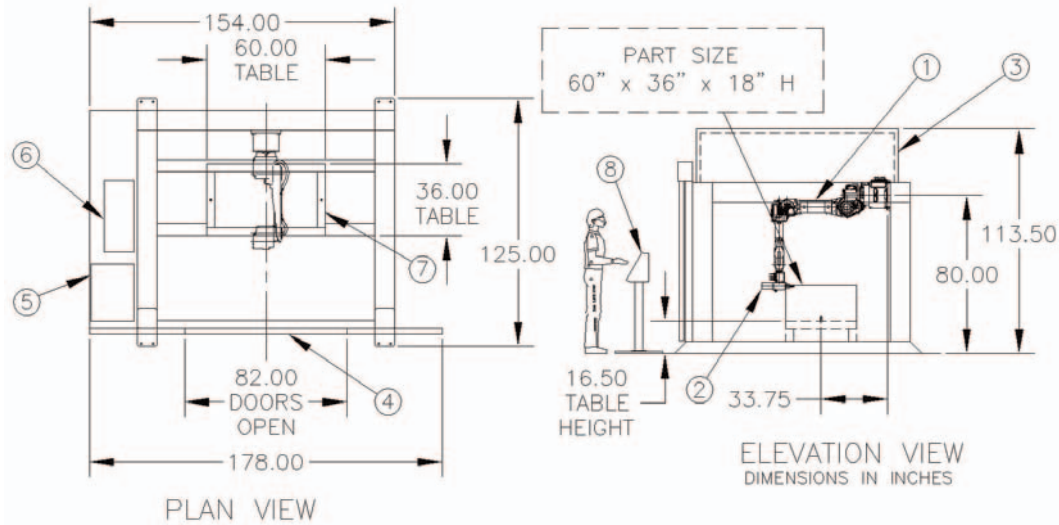
The FT-502 is equipped with a variety of software tools to make programming quick and easy. KMT's RouterWare® Application Software reduces the time it takes to develop and adjust part programs. If problems arise, FANUC's Collision Guard software will protect the robot and tooling in the event of a collision and KMT's Remote Administration ability will enable KMT System Technicians to troubleshoot issues via a phone line or ethernet connection.

System Structure

The RoboTrim FT-502's single-base system structure eases installation, while the built-in fork lift pockets enable it to be moved easily. The work cell's stationary fixture table has a locating pins for a fixture plate and can accommodate 3 foot by 5 foot (914 mm x 524 mm) parts (sometimes longer and narrower). The system's steel enclosure and built-in safety devices keep operators safe by separating them from the trimming area. The manual front access doors equipped with safety interlocks enable operators to load and unload parts easily. The Cycle Start, E-Stop and robot start buttons are mounted onto a pedestal so they can be easily accessed by the operator.



The RoboTrim FT-502 router trimming system, shown above, can trim parts up to 60" x 18" (or 1524 mm x 457.2 mm).



LEGEND :

- | | |
|-------------------------|---------------------------------|
| 1. AccuTrim® R-44 Robot | 5. Robot Controller |
| 2. Routing Spindle | 6. Main Electrical Panel |
| 3. Steel Enclosure | 7. Stationary Fixture Table |
| 4. Front Access Door | 8. Operator Push Button Station |

RoboTrim® FT-502 Pat Size Information:

| Part Length | Part Depth | Part Height |
|------------------------|-------------------------|-------------------------|
| 60 inches (1524 mm) | 36 inches (914.4 mm) | 18 inches (457.2 mm) |

RoboTrim® FT-500 Optional Features

- KMT/FANUC System Calibration Tools with TCPCal bracket
- 3 HP Fan-Cooled single spindle with Automatic Tool Change and ISO 20 tool change rack
- Alternative Spindles in single- and double-ended configuration
- Automatic front doors
- Saw blade in system sensor
- Fixture ID or Tag Reader to automatically call part program
- 10 inch touch screen HMI
- Integrated 5 or 10 horsepower vacuum pump for part hold down
- AccuFind sensor to automatically detect the critical part features to be trimmed
- KMT/FANUC TrimPro® CAD-to-Path programming software
- KMT CamPro™ CAM-to-Robot programming software
- Composite fixtures made from master parts or cut tools made from CAD data by KMT's experienced fixture department



The FT-502 router trimming system above can accommodate a variety of blow-molded, injection molded, thermoformed, rotational molded and composite parts.



*KMT Robotic Solutions.
Creating Value Through Automation.*

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