FANUC

INTEGRATED BY APT MANUFACTURING solutions

MTEC-SIM

MACHINE TENDING EDUCATIONAL CELL

- FANUC ROBODRILL Interface between robot and CNC simulator for integration training
- 120 VAC power connection to MTEC-SIM with on-board air compressor for self-contained cell operation
- Fits through 36" door
- Optional *i*RVision 2D for error proofing and guidance

- Built-in toolbox for storage
- Students have the opportunity to learn real world advanced automation integration
- Preconfigured w/ load & unload program templates for simple build with no complex programming needed
- 3-axis mill and 2-axis lathe simulation

MTEC-SIM Features

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CNC

FANUC's CNC simulator is designed specifically for educational purposes, ensuring affordable access to the latest FANUC CNC platform in a compact and portable package, easily integrated into any classroom.

- Switchable mill and lathe system in one simulator
- 3-axis milling / 2-axis turning system + 1 spindle
- Conversational programming and 3D simulation (MGi)
- Inch / metric switchable
- 32 tool offset pairs
- Work piece coordinators G52-G59 + 48 additional on mill

ROBOTICS

FANUC ER4*i*A 6-axis robot
- R30*i*B Mate Plus controller

OR FANUC CRX-5*i*A collaborative 6 Axis robot
- R30*i*B Mini Plus robot controller

Optional 2D *i*RVision Available

FANUC's new R30iB Plus robot controllers feature the new iPendant with enhanced screen resolution and processing capability.

The new user interface, iHMI, can display guides for setup and programming, as well as tutorials from the main home page which as a design common to FANUC CNCs, enabling easier use of robots.

APT MANUFACTURINGsolutions

- Modular robot cart
- Welded steel construction
- Fits through standard doorway
- Single 2-jaw EOAT for mill blank & lathe blank
- Fold-up work table for laptop, textbook, etc.
- Safety area scanner for fenceless operation of ER4*i*A robot work area
- FANUC CRX operates in collaborative mode without safety area scanner
- 3-color beacon operation indicator light
- Swivel casters with brakes & rotation lock

CERTIFICATIONS, CURRICULUM & SOFTWARE

Ask your reseller about FANUC education grant offerings before purchase.

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Material Handling (MH) CERT Instructor Training and Toolkit:

- (1) online seat for CERT Cart Safety Features
- (1) online seat for Robot Operations
- (1) online seat for HandlingTool
- (1) online seat for HandlingPRO
- (1) seat for live HandlingTool at a FANUC facility
- (1) ROBOGUIDE Simulation Software license
- (1) FANUC Robot Operations Manual
- (1) FANUC HandlingTool Manual
- (1) FANUC HandlingPRO (ROBOGUIDE Simulation) Manual

Material Handling (MH) CERT School Comprehensive Educational Package:

- (25) online seats for Robot Operations
- (25) online seats for HandlingTool
- (25) online seats for HandlingPRO
- (25) ROBOGUIDE Simulation software licenses

CNC:

- FANUC CNC industry-recognized certification
- School instructor receives FANUC training using FANUC-approved curriculum
- FANUC CNC Simulators and FANUC CNC controller for student's certification
- Student will receive letter of completion and instructor can issue student certificates from provided template

APT MANUFACTURINGsolutions

Integration Project-Based Learning (PBL) Curriculum

- Daily lesson plans
- Assessment and grade charts

FOR MORE INFORMATION CONTACT:
info@aidex.com
800.251.9935