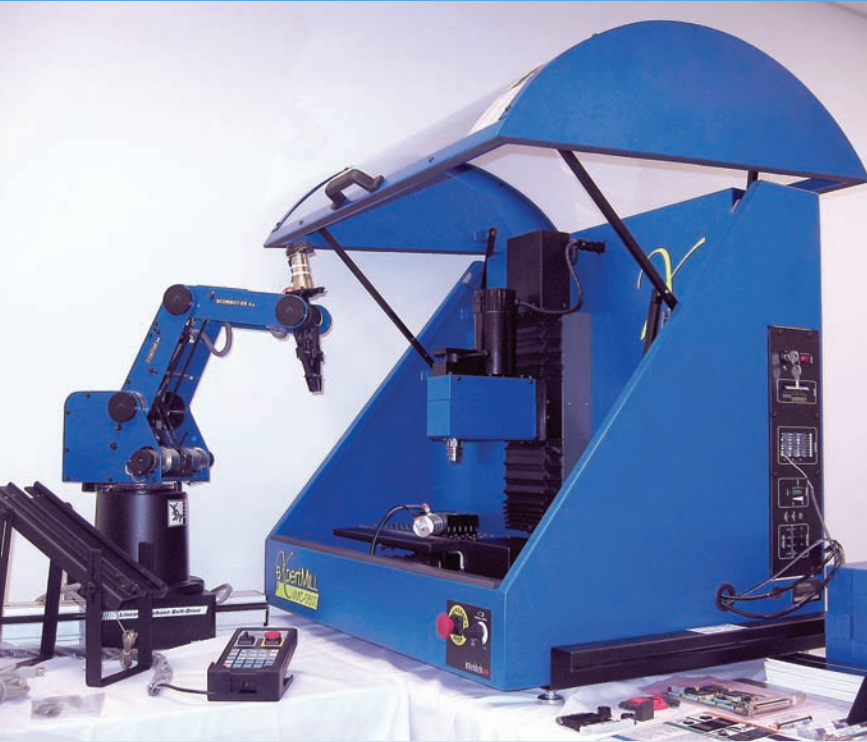


FMS / CIM Package

with the eXpertMill VMC-0600
& SCORBOT-ER 4u



intelitek's FMS / CIM package introduces students to automated manufacturing technology. Using the benchtop **eXpertMill VMC-0600** CNC Milling Machine fed by the intelitek's **SCORBOT-ER 4u** Robot, students develop state-of-the art machine integration skills.

The system allows students to explore industrial FMS applications while learning the smooth integration of the mill and the robot through optimized CNC and robotic programming and accurate machine tending. By developing programs, recording precise robotic positions, accurately machining parts, and synchronizing mill and robot operation, students gain hands-on experience in advanced automation technology.

With over 25,000 CNC Machines and robots installed worldwide, intelitek has become the standard in benchtop robotics and CNC machine tool training for Engineering and Manufacturing programs.

The FMS / CIM package is the **Project Lead The Way (PLTW)** recommended solution for the CIM class. It features the hardware and software upon which the PLTW curriculum was based.

Additionally, these components are used in the **SkillsUSA** competitions:



- The intelitek mill is featured in the Automated Manufacturing Competition.
- The ER-4u is featured in the Robotics and Automation competition.

“We have found that intelitek products are of the highest quality and fully integrate with our program. They are reliable and effective components of the Project Lead the Way curricula, recognized by teachers and students alike.

The simulation software, RoboCell, CNCMotion and CIM supplied by intelitek are the only virtual software simulation applications embedded within our CIM class curriculum.”

Niel Tebbano
Director of Operations, PLTW



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www.intelitek.com

Package specifications

The FMS / CIM package includes the eXpertMill VMC-0600 Mill, the SCORBOT-ER 4u robot and all the accessories necessary for a robust FMS training package.

The specific package components are itemized below:

eXpertMill VMC-0600

eXpertMill VMC-0600 Machining Center	10-0601-0001
Rapid Change Tooling package	10-5627-0000
End Mill Package	10-5120-0000
Engraver Tool Set	10-5710-0000
Name Plate Stock, 50 pieces	10-9170-0000
Machinable Wax Milling Stock, 50 pieces	10-9120-0000

SCORBOT-ER 4u

SCORBOT-ER 4u Robotic Package	000413
Teach Pendant - SCORBOT-ER 4u	001709
User Manual Teach Pendant	120086
Linear Slide Base - Belt Driven - 1 Meter	001020
Gravity Feeder w/Part Present Switch	10-5801-0000
Robotic Integration Cable	32-5400-0633
Precision Pneumatic Vise	10-4702-0000
Air Compressor w/conditioning unit	10-4527-0000

- versatile
- robust
- scalable

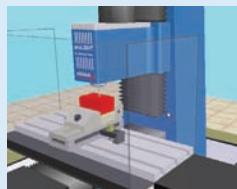
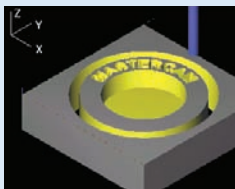
FMS workcell



With the FMS / CIM package, students can:

- develop, verify and run EIA RS-274D G&M Code CNC programs.
- develop robotic programs by manually writing or by using the teach pendant.
- have the machines communicate in a true FMS integration like those found in industry.

The FMS / CIM package integrates seamlessly with intelitek's other dynamic programs, allowing you to leverage and expand the capabilities of your lab.



LearnMate



- **LearnMate** web-based classroom management system (LMS)
- Robotics & CNC online **curriculum**
- **CAD/CAM** curriculum and software
- **RoboCell** 3-D robotics simulation software
- **CNCMotion** CNC simulation software
- **CIMFlex** software with complete CIM capability
- **Mechanical Measurement and Quality Control** curriculum and hardware
- **Projects**, such as the Precision Measuring Device, Golf Putter and Yo-Yo.

Affiliated with:



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