



INSTRUCTOR APPROVED

Featuring the Exclusive
TEC Cutting Edge Mill
 plus **everything** to teach
 Manufacturing and
 Industrial Production
 Included - **FREE!**

The Total Classroom Manufacturing Package!

- FREE KEYCREATOR™**
 (The Next Evolution of CADKEY!)
 Full Commercial Version Design (CAD)
 Software (\$3,000 Commercial Value!)
- FREE SURFCAM®**
 Full Commercial Version Machining
 (CAM) Software (\$17,000 Commercial
 Value!)
- FREE VELOCITY™ CNC Control
 Software**
- FREE Tooling / Accessories**
 - 1/8", 3/16", and 1/4" Collets with
 Draw Bolt
 - Tool Hold 3/8" Shank with Hex Key
 - End Mill 2 Flute HSS
 (1/8", 3/16", 1/4", 3/8")
 - T-Slot Bolts with Step Blocks
 (1", 2", 3")
 - T-Slot Heads
 - T-Slot Hold Down Hex Key
 - Center Drill Set (3 Piece)
- FREE Accessories Kit**
 (contents listed on back)

- FREE 6" Adjustable Wrench**
- FREE Vacuum System**
- FREE 3"x 3"x 3/4" High Density
 Foam (10 Pieces)**
- FREE ANSI Hex Key Set (13 Pc.)**
- FREE RS232 Serial Cable Link**
- FREE Adjustable Halogen
 Gooseneck Work Lamp**
- FREE Lexan® Safety Shield with
 Safety Interlock**
- FREE Users Guide**
- FREE Technical
 Support**
- FREE 1 Year Warranty**



Cutting Edge Accessories Kit

- (2) Pair Safety Glasses
- Steel Jaw Quick Release Vise
- 6" Stainless Steel Digital Caliper with Case
- 4" Solid Steel Machinist's Set-up Square
- 6" Steel Scale (Inches/Millimeters)
- (2) Chip Brushes

Cutting Edge Software Highlights

KEYCREATOR™ (the Evolution of CADKEY) **Hybrid Modeling CAD***

- 2D Drafting and 3D Design
- Solid Model Creation and Rendering
- Advanced Surface Modeling Functionality
- Advanced Rendering Capabilities including Lighting
- Hundreds of Creation, Transform, Modify, Layout, Tools, and Detail Features and Enhancements
- Includes the Industry's most comprehensive range of data translators including DWG, DXF™, IGES, STEP, ACIS-SAT, Parasolid®/X_T and STL
- SURFCAM's file translators import KEYCREATOR files.



Image courtesy of FiveAxis Snowboard Manufacturing



SURFCAM CAM*

- 2-, 3-, 4-, and 5-axis Machining
- Integrated Toolpath Verification
- Operations Manager provides a graphical interface for reordering, regenerating, verifying, and posting operations
- Full associativity throughout
- Advanced Part Finishing
- Advanced file preview technology allows students to preview parts before loading the file



Image courtesy of Jon Kammerer Guitars

VELOCITY Control Software*

- 3 Axis Milling/Router Control
- Continuous Contouring
- Built-in Program Editor
- Off-line Programming Mode
- Single Line or Continuous Run Modes
- 8 Optically Isolated Inputs/8 Optically Isolated Outputs
- On-Screen Verify/Simulation
- Custom Programmable M-Codes
- Multiple Supported M-Codes and G-Codes
- Other Codes F, () Comment
- Built in DXF Interpreter converts DXF files into G-Codes

***Note:** For detailed software features for KEYCREATOR, SURFCAM or VELOCITY, contact our Sales Team at 1-800-338-2238.

TEC Cutting Edge Mill Specifications

- Manual and CNC Modes
- Maximum Clearance Table to Spindle: -----8.0"
- Throat: -----3.5"
- X-Axis Travel:-----9.0"
- Y-Axis Travel: -----5.0"
- Z-Axis Travel: -----6.25"
- Movements in Addition to X-, Y-, and Z-: Headstock Rotation (90° L/R)
- Table Size:----- 2.75" x 13.00"
- Hole Through Spindle: -----.405"
- Spindle Nose Thread:-----3/4-16 TPI
- Spindle Nose Taper: -----#1 Morse
- Handwheel Graduations: -----.001"
- Accuracy / Repeatability: -----.001"
- Resolution: -----.000125"
- Electronic Spindle Control:----- 70 to 10,000 RPM
- Spindle Motor: High Torque 90VDC Motor (1/3 HP DC equivalent to 1/2 HP AC Motor)
- Stepper Motors: -----3-250 oz/in.
- Max. Rapid and Feed Rate up to 35 IPM
- Max. Programmable Rapid and Feed Rate up to 35 IPM
- Machine Dimensions:----- 32.125" x 31" x 27.25"
- 175 Lbs Uncrated Weight

Safety Features

- Lexan® Safety Shield with Interlock Switch
- Emergency Stop Button
- Totally Enclosed Cabinet
- Illuminated Key Operated Power Switch
- Software Controlled Safety Stops
- Graphics to Verify Program Prior to Machining

Electrical Requirements

Power Requirements: 110 Volts AC / 15 amp

Computer Requirements

Pentium Based Computer with CD-ROM Drive; Windows® 2000 or higher; Min. 128 meg RAM; Min. 500 MB free disk space; 1024 X 768 Graphics Card

The Total TEC Cutting Edge Milling Center

Only **\$9,995!**

Item No. 500-0002

Questions? Call TEC, Inc.



1-800-338-2238