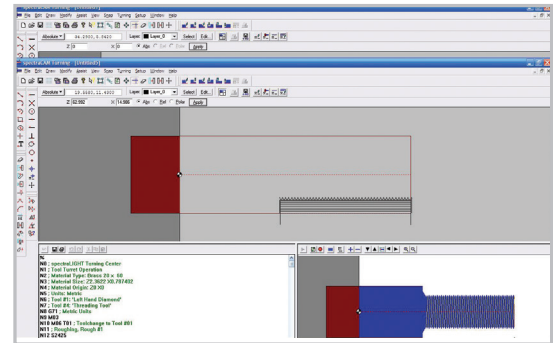




# spectraCAM & spectraCAD Engraver

SpectraCAM software Milling and Turning introduces students to the fundamentals of CAM programs and their use in industry. The software converts CAD drawings into numerical control (NC) files that can be used to produce parts on a CNC milling center. It features an integrated CAD drawing package that allows a seamless and easy working environment and includes a graphic tool path simulation package for immediate part proofing. Computer Aided Design (CAD) is a way to draw complex shapes easily and accurately using a computer. CAD enables rapid, accurate drawing, easy revisions, and electronic transmission of files. spectraCAD engraver is bundled with spectraCAM software. It can also be ordered as a separate software package.



## spectraCAM Milling & Turning

### Standard Features

- Drawing options: arc, circle, line, point, rectangle, text
- Editing options: break, copy, delete, explode, fillet, mirror, move, offset, rotate, scale, trim/extend
- Milling operations: contouring, drilling, engraving, facing and pocketing
- Surface machining operations: revolutions, ruled and swept
- Turning operations: facing, roughing, finishing, grooving, cut-off
- Built-in tool and material libraries; automatically pre-selects the optimal speed, feed and plunge rates
- Multiple views of geometry and tool paths
- Online, context-sensitive help
- Input and output DXF file format
- Output standard G&M code NC programs

## spectraCAD Engraver

### Standard Features

- Converts CAD drawings to NC part program files.
- Enables creation of CAD drawing files and export to HPGL plot file.
- Integrated engraving capabilities, accessible via a pull-down menu
- Enables selection of machining parameters: feed and plunge rates, depth of cut
- Drawing options: arc, circle, point, rectangle, line, text
- Editing options: break, copy, fillet, mirror, explode, offset, delete, move, rotate, scale, trim, extend

- Intuitive graphic user interface. Simple graphic buttons and tool bars enable the user to start working immediately.
- CAD can display the geometry in a number of different ways and provide printed output for user inspection.
- Bidirectional DXF file transfer capability enables compatible with other applications such as AutoCAD®.
- When integrated with CAM software, users can automatically generate facing, drilling, contour milling, pocketing with islands, engraving, surface of revolutions, ruled surfaces and swept surfaces with cutter compensation.

## Ordering Information

### Software

SpectraCAD Engraver	63-6723-0000
SpectraCAM Milling	63-6733-0000
SpectraCAM Turning	63-6743-0000

### Curriculum

LearnMate Content, Virtual, spectraCAD Engraving (Imperial)	88-3004-0001
LearnMate Content, Virtual, spectraCAD Engraving (Metric)	88-3004-0002
LearnMate Content, Virtual, spectraCAM Milling (Imperial)	88-3005-0001
LearnMate Content, Virtual, spectraCAM Milling (Metric)	88-3005-0002
LearnMate Content, Virtual, spectraCAM Turning (Imperial)	88-3007-0001
LearnMate Content, Virtual, spectraCAM Turning (Metric)	88-3007-0002

## Related Products

### Hardware

- BenchMill 6100 CNC Milling Center
- ProMill 8000 CNC Milling Center
- BenchTurn 7100 CNC Turning Center
- ProTurn 9000 CNC Turning Center

### Software

- CNCMotion

### Curriculum

- CNC Milling
- CNC Turning
- Computer Aided Design with SpectraCAD
- Computer Aided Design with SpectraCAM



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