

SmartCAM Advanced Turning™

for Microsoft® Windows NT™ & Windows 95™

*Generate CNC
machine processes
and code for
2- through 6-axis
lathes and mill/turn
centers.*

SmartCAM Advanced Turning

SmartCAM Advanced Turning™ software creates efficient toolpath and CNC code for 2-through 6-axis lathes and mill/turn centers. Like all SmartCAM® applications, it is designed to help you reduce your programming time and deliver your customer's parts quicker.

Ease Of Use

SmartCAM Advanced Turning runs with the icon-oriented Microsoft Windows 95 and Windows NT operating systems. Advanced Turning's graphical user interface uses manufacturing terminology and logical operational sequences that even first time users will find familiar and experienced users can apply quickly.

Compatibility

SmartCAM Advanced Turning takes design information from any CAD system. IGES, DXF and CAMCAD Standard™ data translators turn design elements into part profiles properly sequenced for machining.

Shorten Part Delivery Times

SmartCAM Advanced Turning provides comprehensive solutions that help you get jobs

done faster and shorten part delivery times, including:

- Fast, flexible toolpath geometry.
- Automatic routines for linear, contour, and groove roughing.
- Comprehensive threading support for inside and outside diameter, left- or right-hand, and straight or tapered threads.
- Intelligent drilling cycles that create code or canned cycle output for drilling, tapping, boring or counterboring operations with minimum input.

Supports A Broad Range Of Machines

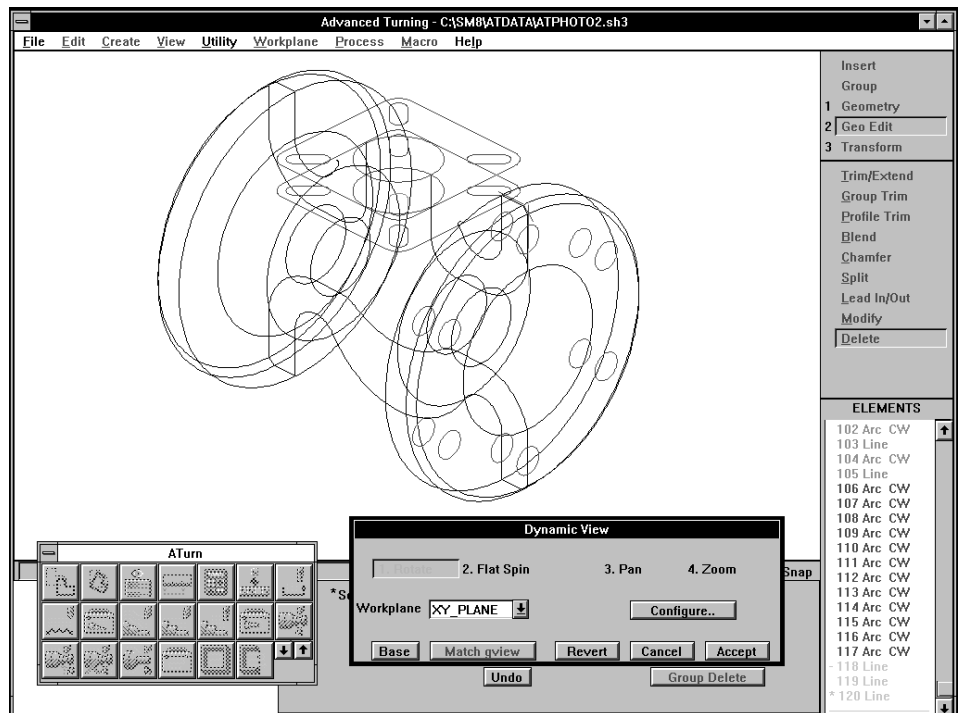
- 2-axis
- 4-axis
- Live tooling
- Sub spindles

Simplifies 4-Axis Turning

- Automatically synchronizes tool motion for both turrets, yet lets you control timing.
- Shows you merged tool motion as it will occur at the machine with feed rates represented in correct relation to one another.
- Automatically creates balanced or "pinch" turning operations from a single profile and synchronizes tool motion.

Combine Mill/Turn Operations In A Single Model

- Integrate C-axis operations with turning functions in a single machining model.
- Support radial and axial live tool orientations, and Y-axis motion.



SmartCAM Advanced Turning

- Support a full range of milling operations including milling, off-center and cross drilling, tapping, slotting, pocketing, and facing.

Eliminate Surprises

Visual verification capabilities improve product quality and save you machine time and material costs:

- ShowCut™ shaded volumetric simulation of the machining process shows you how your material will be cut before you put it on the machine.
- Show Path simulates the machining process to how your material will be cut before you put it on the machine.
- Dimensioning and notes capabilities help with shop floor documentation.
- Custom tool graphics help you create custom tool libraries and enable you to visualize tools.
- Dynamic viewing capabilities let you verify toolpath from any angle.

Capture Your Manufacturing Expertise

- **Job Operation Planner**
The Job Operation Planner is a unique SmartCAM function that helps you organize and store tooling and machining operations information so you can capture proven machining methods and reuse them.
- **Customization**
Almost everything about SmartCAM applications – from the user interface to the way code is output – can be customized to streamline your work. SmartCAM applications put you, not the computer, in control.

The SmartCAM Advanced Turning Advantage

CIMdata Inc.'s NC Software Buyers Guide ranked SmartCAM applications as the best value out of 38 CAM products surveyed. That means you get maximum return on your investment. And as your business grows, the SmartCAM family of applications for 2½- through 5-axis milling, 2- through 6-axis turning, 2- through 5-axis Wire EDM and fabrication will continue to meet your competitive needs.

Call Today

For more information on how SmartCAM products can contribute to your productivity and profits, call your local CAMAX Dealer. For Dealer information, contact CAMAX at (800) 394-5300 or (612) 854-5300.

Advanced Turning System Requirements

Windows

Computer

Minimum	386DX
Recommended	486DX or Pentium

Operating System

Windows 95 or Windows NT

Physical RAM

Minimum	8 Mb
Recommended	16-32 Mb

Swap Space

Minimum	24 Mb
Recommended	32 Mb of permanent swap space

Hard Disk Space

15 Mb for installation

Other Devices

CD-ROM Drive



7851 Metro Parkway
Minneapolis, MN 55425-1528
Phone: (612) 854-5300
Fax: (612) 854-6644
Web address: www.camax.com

SmartCAM and CAM Connection are registered trademarks, and SmartCAM Advanced Turning, Edit Plus, and CAMCAD Standard are trademarks of CAMAX Manufacturing Technologies, Inc., a wholly-owned subsidiary of Structural Dynamics Research Corporation.
All other trademarks or registered trademarks belong to their respective holders.

©1997 SDRC Operations, Inc. All rights reserved.