

SmartCAM Advanced Fabrication™

for Microsoft® Windows NT™ & Windows 95™

*A complete
3-D solution for CNC
punches, burners,
lasers, waterjets,
and punch/plasma
machines.*

turn design elements into part profiles properly sequenced for machining.

Shorten Part Delivery Times

SmartCAM Advanced Fabrication provides comprehensive solutions that help you get jobs done faster and shorten part delivery times, including:

- Fast, flexible toolpath geometry.
- Auto-indexing support for an unlimited number of tools.
- Automated area clearance with spiral or zigzag routines.
- Canned cycle support for bolt hole circles and grids at any angle.

- Automated folding and unfolding compensates for bend allowances and unfolds the part in a single step. (Because SmartCAM is a full 3-D system, you can modify geometry on the part before or after unfolding it.)
- Automatic flat pattern layouts for HVAC transition pieces.
- Toolpath optimization functions that will automatically find the most efficient tool motion.
- Automatic or interactive nesting, including subroutine support that saves material. (SmartCAM will tell you if your subroutines provide optimal toolpath, giving you the choice of using them or not.)

SmartCAM Advanced Fabrication

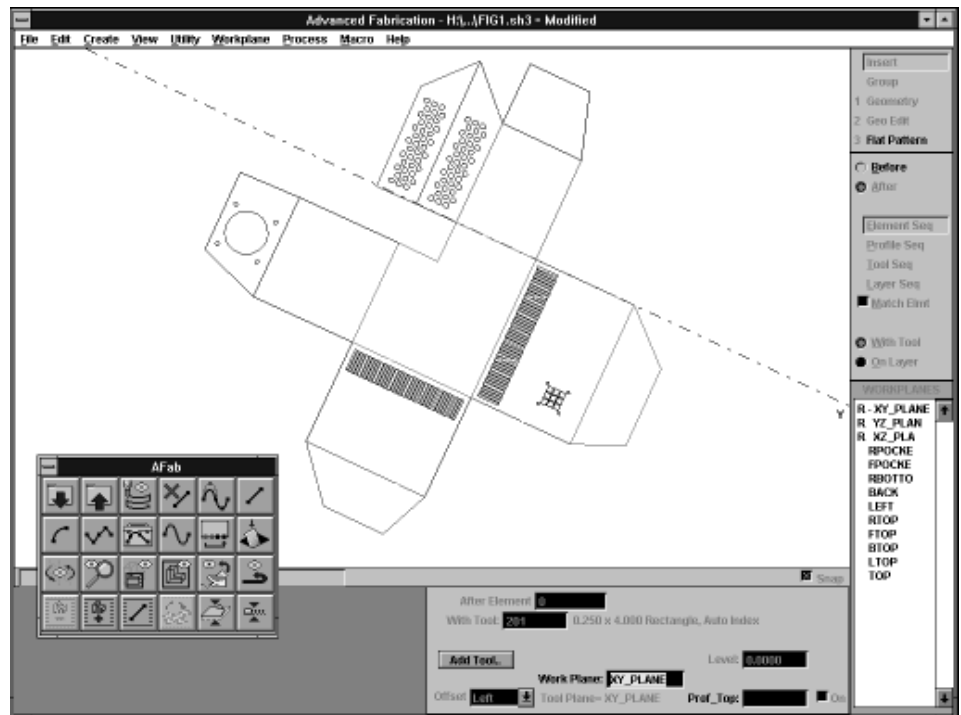
SmartCAM Advanced Fabrication™ software creates optimized toolpath and code for a variety of CNC machines, including punches, burners, lasers, waterjets, punch/plasma, and punch/laser combinations. Not only will Advanced Fabrication help you reduce scrap and improve your fabrication processes, but like all SmartCAM® applications, it is designed to help you reduce programming time and deliver your customer's parts quicker.

Ease Of Use

SmartCAM Advanced Fabrication runs with the icon-oriented Microsoft Windows 95 and Windows NT operating systems. Advanced Fabrication'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 Fabrication takes design information from any CAD system. IGES, DXF and CAMCAD Standard™ CAM Connections



SmartCAM Advanced Fabrication unfolds a part in a single step.

Eliminate Surprises

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

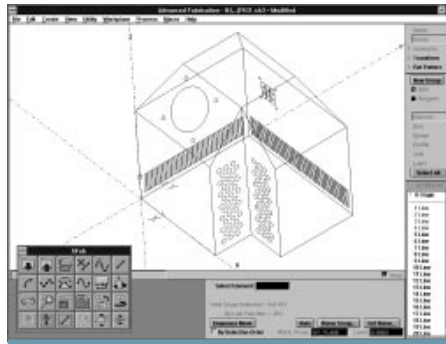
- SmartCAM's graphic model will show you how your part will be cut on the machine you specify.
- Because you are working with a fabrication process model, and not just geometry, you can see how clamps, hold downs, trap doors, and material repositioning will affect the manufacturing process.
- Custom tool graphics let you create the tool shape you need to improve the accuracy of your hits.
- Dimensioning, report generation, and notes capabilities help with shop floor documentation.

Capture Your Manufacturing Expertise

SmartCAM Advanced Fabrication provides a number of fast, automatic job solutions, but enables you to have the final say on how an operation will be done. Almost everything about SmartCAM applications – from the user interface to the way code is output – can be customized to streamline your work. Powerful macro tools can record your input on one job and then be reused or modified. SmartCAM puts you, not the computer, in control.

The SmartCAM Advanced Fabrication 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.



SmartCAM Advanced Fabrication automated folding and unfolding automatically compensates for bend allowances.

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 Fabrication 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

CAMAX
SDRC's CAM Business

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 Fabrication, 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.