

# SmartCAM Production Milling™ V17

Experience Powerful, Flexible, Affordable...SmartCAM

Generate CNC  
machine  
processes and  
code for 2½-axis  
milling with 4th  
axis positioning.

## SmartCAM Production Milling

SmartCAM Production Milling™ software is a highly productive solution for applications that require 2½-axis machining with fourth axis positioning.

As the first tier in the SmartCAM® family of milling applications, it offers the functionality you need today plus a long term growth path for your future needs. Like all SmartCAM applications, Production Milling is designed to help you reduce your programming time, improve your machining processes, and deliver your customer's parts quicker.

## Ease of Use

SmartCAM applications operate on Microsoft Windows 7 Professional, Microsoft Vista® Business, Windows XP® and Windows 2000 operating systems. The user interface uses manufacturing terminology and logical operation sequences that even first time users will find familiar and experienced users can apply quickly.

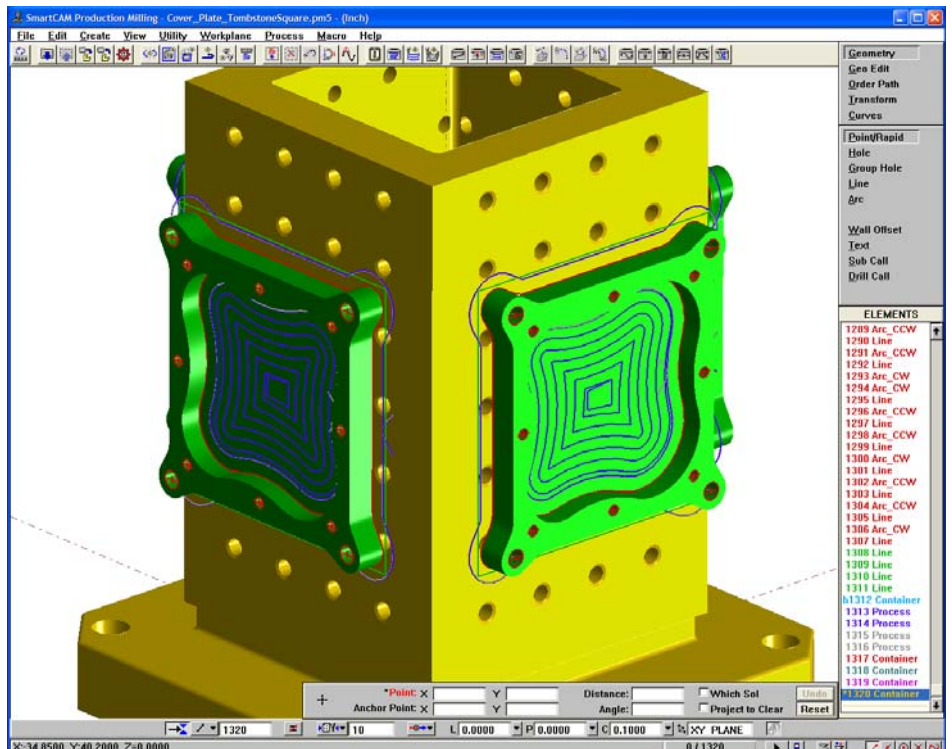
## Shorten Part Delivery Times

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

- **Robust toolpath creation and editing functions**  
Get the functions you need to create and edit part profiles and create machine-ready CNC toolpath.
- **Intuitive pocketing**  
Select from spiral, linear, or zigzag routines. Automatically calculate correct toolpath, and recognize multilevel islands and open profiles.
- **Intelligent drilling**  
Automatically create drilling codes based on the parameters of the tool chosen.
- **Fourth axis support**  
Maximize your machining productivity with indexing tables and tombstone setups.

## Save Time and Money

- **Better Organize** your data using Containers, Show/Hide, improved Layer functions and View Filters
- **Subroutine Support** saves you time on repetitive shapes and operations.
- **Automatic Toolpath Optimization** sorts through toolpath solutions to find the shortest machine cycle time.
- **Macro Productivity Tools** automate commonly used machining functions to make your work faster and easier.



*SmartCAM Production Milling*

## Eliminate Surprises

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

- 3D Cut Verification – ShowCut™ simulates the tool motion while cutting the part from a stock model, just as it will happen on your machine, letting you verify your program before generating toolpath.
- Dimensioning and notes capabilities help with shop floor documentation
- Custom tool graphics help you visualize special tools as well as the standard ball, bull-nosed, and square tools supported by the software..

## 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.

## CAD Formats Supported

Import, export, display, and machine from solid, surface or wireframe CAD data using SAT, STEP, IGES, DXF or DWG formats. SmartCAM files may also be exported as STL surfaces.

Additionally, two native file data translators are available for purchase that read SolidWorks® .SLDPRT and Autodesk® Inventor® .IPT files.

## The SmartCAM Production Milling Advantage

SmartCAM applications are the best value in the CAM marketplace. 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.

## DNC & Editing Software

Every license of SmartCAM now comes with Predator CNC Editor for SmartCAM™, an OEM version of the industry-leading standard version from Predator Software, Inc.

It is the most popular 32-bit CNC code editor available on the market, is extremely easy to use and includes many features to improve the day-to-day productivity of CNC machine tools. Predator CNC Editor for SmartCAM is the ideal choice for the CNC editing and DNC needs of all SmartCAM users.

Features include DNC in the background, Math Operations including trigonometry functions, Color Highlighting of the NC program and more.

## System Requirements

### Operating System

Recommended: Microsoft Windows Vista® Business, Windows XP Professional or Windows 2000

### Processor (CPU)

Minimum: Intel Pentium® IV or AMD Athlon® XP  
Recommended: Intel Pentium® IV or AMD Athlon® XP, Intel DuelCore or higher

### Physical RAM

Minimum: 128 Mb  
Recommended: 1 Gb or greater

### Hard Disk Space

Minimum: 25MB for installation

### Video Display

Minimum: 1024x768 display resolution with True Color, 32MB display RAM; hardware-accelerated OpenGL v1.2 (or higher)  
Recommended: 1280x1024 display resolution with True Color, 256MB display RAM; hardware-accelerated OpenGL v1.2 (or higher)

### Network Card

Ethernet or NIC card. Motherboard embedded with NIC are NOT recommended. The network card does NOT need to be attached to a network; it is used with SmartCAM software licensing.

### Devices

Digitizers must be configured as a mouse. 3D Mouse supported.

## More Information

For more information on how SmartCAMcnc's SmartCAM products can contribute to your productivity and profits, go to:

[www.SmartCAMcnc.com](http://www.SmartCAMcnc.com)

Or email:  
[info@SmartCAMcnc.com](mailto:info@SmartCAMcnc.com)

Or call:  
541-344-4563

(For dealer inquiries, please email:  
[dealer.inquiries@smartcamcnc.com](mailto:dealer.inquiries@smartcamcnc.com))

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