



**Powerfully Simple. Simply Powerful.**  
**CAM for Machinists**



# GibbsCAM

## Powerful

Programs all of your CNCs to machine simple and complex parts

## Easy

Consistent and intuitive shop-friendly graphic interface for quick learning and fast navigation

## Flexible

Provides multiple ways for CNC programmers to approach machining operations

## Productive

Faster programming, faster machining, and higher throughput

## Grows with You

GibbsCAM® stays current with the latest machine tool technology. You won't need another CAM system when you get new machines, and you can add options to increase functionality as you need them.

## Lower Programming Cost

Beyond a flat interface that eliminates wasted menu-seeking user actions, GibbsCAM provides many automated features to streamline the CNC programming process.

## Accuracy and Speed

GibbsCAM gets more programs done faster with higher accuracy, better reliability, and faster cycle times. You'll spend less time testing and proving programs on machine and get more parts out the door.

“ GibbsCAM has all the tools we need. As we see challenges in the work ahead of us, we feel comfortable that GibbsCAM is going to be there for us. GibbsCAM handles it all. ”

— Rodney Babcock, President & CEO of Next Intent

## Complete CAM System for All Your CNC Machines



### Any CNC Machine

A single CAM for all CNC Machines, from simple to complex, now and in the future



### Simplifying Complexity

Complex programming made easy with unique user interface designed specifically for CNC Programming



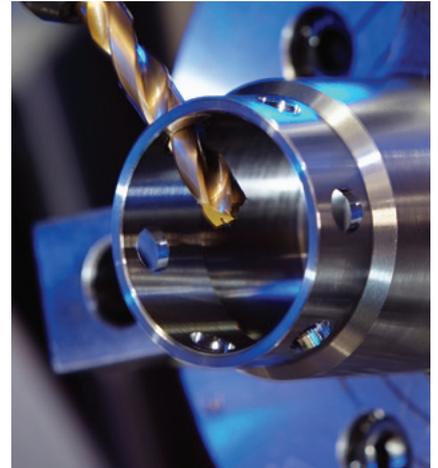
### Machine with Confidence

Machine any part with a sure-fit post developed in-house

## Designed to Simplify

GibbsCAM is designed to simplify the complex. It has a **modeless, graphical interface** that lets the user perform any function at any time, without pursuing an endless hierarchy of menus. Users can quickly jump from toolpath verification to part design or tool definition and back. Icons that reflect shop procedures make operations easy to identify and fast to navigate. These features make learning fast and easy for the new user and highly efficient for the experienced.

The **user interface is consistent** across the product line. This means that when you add capabilities for new machine types or machining processes, the look and navigation does not change. So, programmers and machinists get productive with new modules quickly.

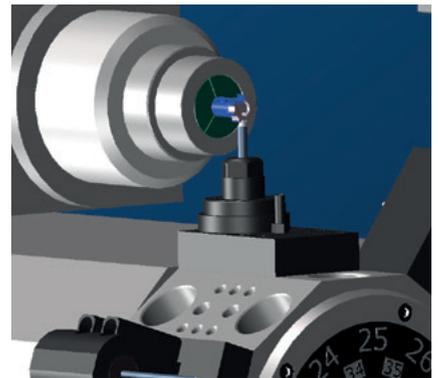


*“ This is the most productive CAM system we have evaluated. It has improved our profits 100 fold. ”*

— Chris Nachtman, CNC Performance Engineering

## Advanced Programming Made Easy

GibbsCAM's intuitive graphical user interface provides seamless access to both turning and milling capabilities. GibbsCAM's associativity allows operations to be updated easily when modifications are made. Factory-supplied post processors output multi-flow NC code complete with utility operations and sync codes.



## Guaranteed Post Processors

GibbsCAM maintains a huge library of over 15,000 proven, error-free post processors for virtually every machine/control combination on the market. These posts are continually updated and added to by our corporate post development team to provide customers with custom posts created to their exact specifications.



# GibbsCAM Grows With You

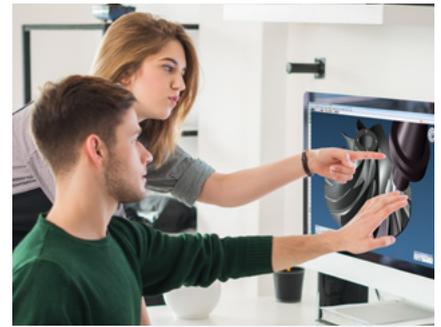
GibbsCAM is organized as a single application. When you add options, we don't force you to learn a new interface. Instead, all options are integrated into the familiar, friendly interface. The software is configured for your initial requirements and expanded as your needs grow. We protect your investment in both software and training.

## Base Packages

- **Milling:** 2-, 2.5- and 3-axis milling
- **Turning:** 2-axis turning, including off-center and interpolated turning and U-axis profile boring
- **Mill-Turn:** Live tooling, including support of X, Y, Z, C and B axes

## Options

- **2.5D Solids:** Simple solid modeling and solids-based machining of 2-, 2.5- and simple 3-axis parts
- **3D Milling:** Advanced surface and solid modeling plus 3-axis surface machining
- **Polar & Cylindrical Milling:** Drive one rotary and two linear axes on machines with a rotary axis
- **Radial Milling:** Drive one rotary and three linear axes with off-centerline "Y-axis" milling and wall angle control
- **5-Axis:** 5-axis simultaneous milling of surfaces and solids
- **5-Axis MultiBlade:** Specialized interface for machining bladed turbo-machinery parts (impellers, rotors, blisks and blings)
- **5-Axis Porting:** Specialized interface for machining engine ports and similar through-part openings
- **Multi-Task Machining (MTM):** Turning and milling with multiple spindles and tool groups
- **VoluMill™ for GibbsCAM:** Adds powerful high speed roughing with volumetric material removal to GibbsCAM milling
- **Tombstone Management System:** Multi-part layout and programming for tombstone fixtures
- **Machine Simulation:** Build machine models and simulate machine tool motion
- **Wire EDM:** 2- through 4-axis Wire EDM
- **Probing:** In-process and on-machine measurement and inspection
- **Deposition Additive and Hybrid Machining:** Integrated additive manufacturing support for 3- to 5-axis simultaneous Directed Energy Deposition (DED) and similar heads, including hybrid machining



Gibbs provides post processors from a huge and growing library and will develop any custom post processors you need.

Network licensing options are always available for companies where CNC programming is distributed among offices or where programming is done by machinists across the shop floor or across the world.

CAMBRIO and its worldwide GibbsCAM Resellers provide fast, personalized technical support to ensure your production is continuous and your productivity is uncompromised.



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