



GIBBSCAM

2027

CAM for
Production Machining

Version 2027 : September 2026

Viewer and Operator



GIBBSCAM

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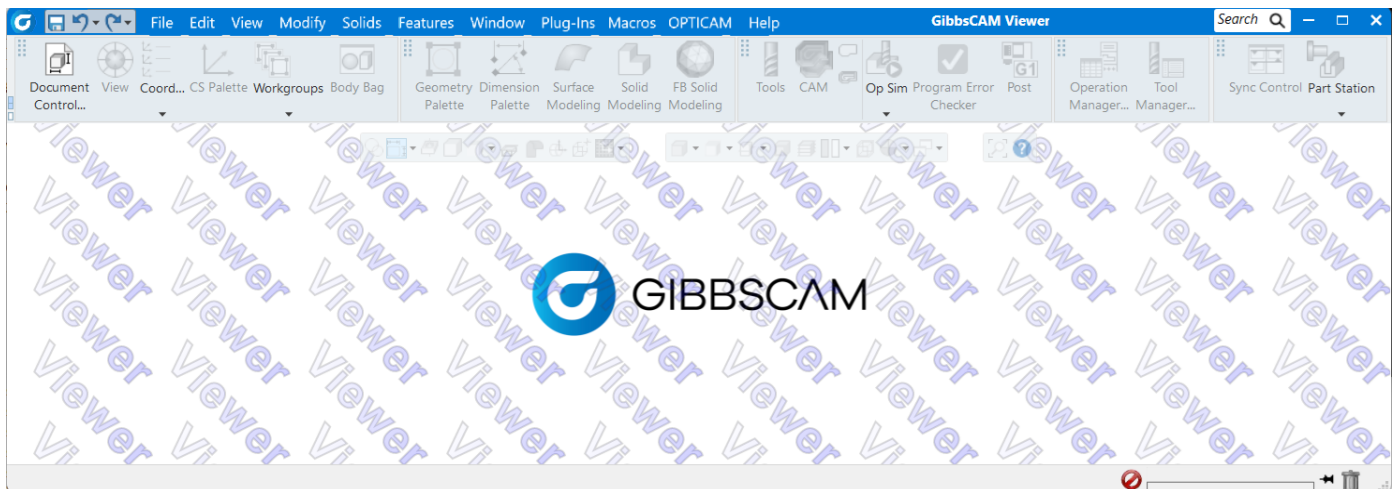
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Introduction to Viewer and Operator

GibbsCAM Viewer and **GibbsCAM Operator** provide flexible access to GibbsCAM capabilities without requiring a full GibbsCAM programming license. GibbsCAM Viewer allows users to access and review part information without generating toolpaths, posting, or saving/exporting files, while GibbsCAM Operator enables users to perform selected manufacturing and post-processing tasks.

GibbsCAM Viewer

GibbsCAM Viewer lets you directly access all part information without allowing toolpath generation, posting, or saving/exporting, etc. Viewer and Industrial share the same installer (product level is determined by license) and user interface: Existing GibbsCAM users can use Viewer with no learning curve or training.



Initial startup screen of GibbsCAM Viewer

GibbsCAM Viewer is intended for users who need to review, inspect, and verify existing GibbsCAM manufacturing data without modifying or generating manufacturing programs.

Typical Users

GibbsCAM Viewer is suitable for:

- Shop floor personnel who need to review machining information
- Manufacturing and production managers
- Estimators and manufacturing planners
- Quality and inspection personnel
- Customers or partners reviewing manufacturing projects

What You Can Do with GibbsCAM Viewer

With **GibbsCAM Viewer**, you can:

- Open existing GibbsCAM parts and packages.
- Review part geometry, solids, surfaces, facet bodies, stock, coordinate systems, and toolpaths.
- Display and inspect toolpaths using available toolpath color modes.
- Review machining operations, tools, and processes.
- Run GibbsCAM simulation modes to verify machining behavior and toolpath results.
- Use viewing and viewport controls to inspect the part from different perspectives.
- Measure dimensions and inspect part and manufacturing information.
- Review PMI and other available part information.
- Use applicable query and inspection tools to investigate geometry, solids, operations, and part data.
- Review operation, tool, and process information through the available managers and tile lists.
- Review operation data and use operation-to-geometry functionality for inspection and dimensioning.
- Generate reports and print manufacturing information.
- Use the GibbsCAM documentation, online Help, Assistant, and other available support resources.
- Use available checking and diagnostic functionality to review existing manufacturing data.

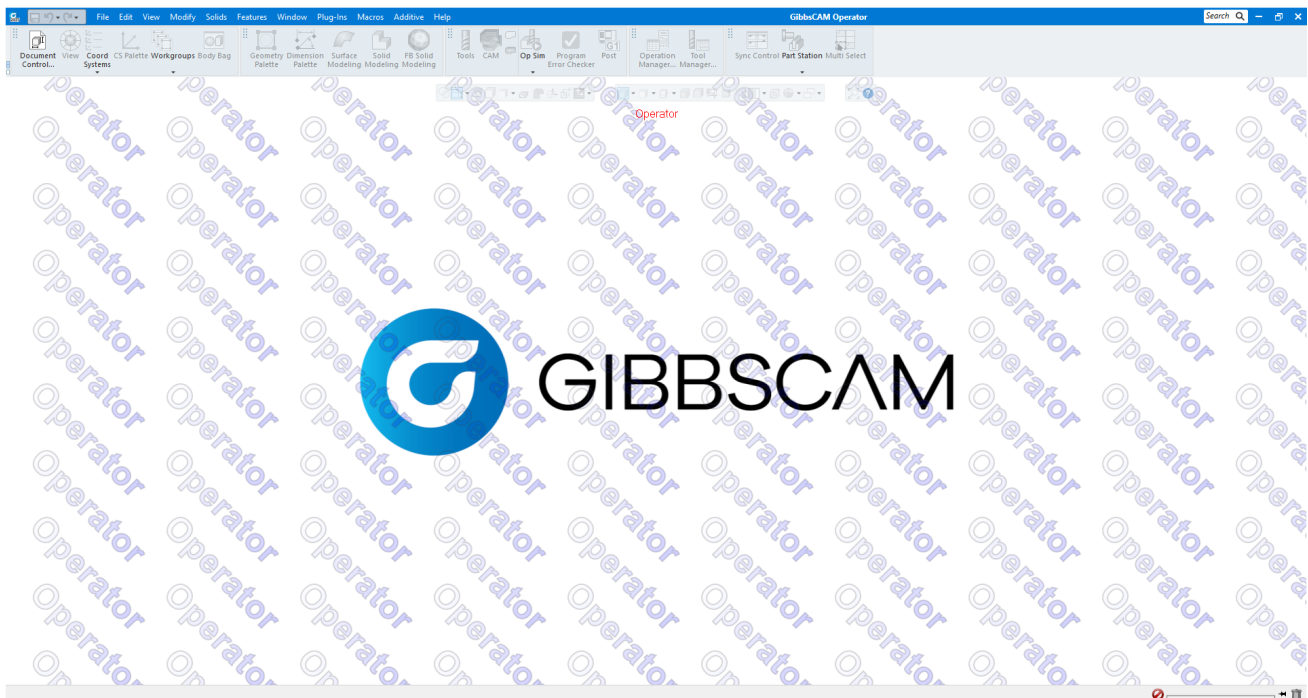
Viewer Workflow

Viewer is primarily a read-only environment. Existing manufacturing data can be opened, examined, simulated, measured, and reviewed, but users cannot create new machining operations or toolpaths or modify the manufacturing program.

Viewer is therefore well suited to workflows where the primary requirement is manufacturing-data visibility and verification rather than program creation or editing.

GibbsCAM Operator

GibbsCAM Operator enables users to perform selected manufacturing and post-processing tasks without requiring a full GibbsCAM programming license.



Initial startup screen of [[[Undefined variable GibbsVariables.prodname_Opearator]]]

GibbsCAM Operator provides the same review and inspection capabilities as GibbsCAM Viewer, with additional functionality for users who need to work with existing manufacturing programs and prepare machine-ready output.

Typical Users

GibbsCAM Operator is suitable for:

- CNC machine operators
- Manufacturing technicians
- Setup personnel
- Production supervisors
- Shop floor personnel responsible for preparing existing programs for production

What You Can Do with GibbsCAM Operator

In addition to the capabilities available in Viewer, GibbsCAM Operator allows you to:

- Save existing GibbsCAM parts.
- Save copies and create GibbsCAM packages.
- Export supported manufacturing data.
- Postprocess existing operations and generate NC code.
- Use supported communication functionality to transfer manufacturing data to CNC machines.
- Access applicable material database information.
- Adjust feeds and speeds for existing operations where supported.
- Use applicable intermediate tooling functionality.
- Reorganize existing tools, processes, and operations where supported.
- Place and manage utility markers.
- Perform supported external postprocessing using available postprocessors, including PostHASTE and APT/CL.
- Review, prepare, and output existing manufacturing programs for production.

Operator Workflow

Operator is intended for workflows in which users need more than read-only access but do not require the complete programming environment.

It provides selected manufacturing and post-processing capabilities for working with existing programs, allowing users to make supported adjustments and generate output for the CNC manufacturing process.

Operator does not provide the full programming capabilities of GibbsCAM Industrial Edition.

Installation, Registration, and Licensing

GibbsCAM Viewer, [[[Undefined variable GibbsVariables.prodname_Opearator]]] and GibbsCAM Industrial Edition use the same installer, installation steps, and registration tool.

The system differentiates Viewer and Operator from Industrial through the license file. This file is generated when you enter your product code into the Registration Tool and register the software. The license file resides under the global data folder, in this location:

`C:\ProgramData\Gibbs\GibbsCAM\<version>\LicenseData\<release>\.`

For example, the license file for GibbsCAM 2027 resides here:

`C:\ProgramData\Gibbs\GibbsCAM\<version>\LicenseData\270.0\license-*****-#.lic.`

Viewer and Operator Capability Comparison

The following comparison summarizes the primary capabilities available in each edition.

Capabilities	GibbsCAM Viewer	GibbsCAM Operator
Open GibbsCAM parts and packages	✓	✓
View geometry, solids, surfaces, stock, and toolpaths	✓	✓
View and inspect machining data	✓	✓
Run machining simulations	✓	✓
Measure and inspect part information	✓	✓
Review tools, processes, and operations	✓	✓
Review operation data	✓	✓
Query part and manufacturing information	✓	✓
Generate reports and print manufacturing information	✓	✓
Access GibbsCAM Help and documentation	✓	✓
Modify existing manufacturing data	Limited	Selected capabilities
Save GibbsCAM parts	—	✓
Export supported files	—	✓
Create GibbsCAM packages	—	✓
Generate NC code	—	✓
Postprocess existing operations	—	✓
Communicate with CNC machines	—	✓
Access material database	—	✓
Adjust feeds and speeds for existing operations	—	✓
Supported intermediate tooling functions	—	✓
Supported external postprocessing	—	✓

Choosing the Right Edition

The choice between **Viewer** and **Operator** depends primarily on whether users need to review manufacturing data or prepare existing programs for production.

Choose GibbsCAM Viewer if you need to

- Review and inspect existing GibbsCAM programs.
- Verify toolpaths and machining strategies.
- Simulate machining operations.
- Measure and investigate part information.
- Review tools, processes, and operations.
- Provide manufacturing visibility to shop floor, management, quality, estimating, or customer-facing personnel.
- Access GibbsCAM data without requiring program-editing or output capabilities.

Choose GibbsCAM Operator if you need to

- Perform all Viewer review and inspection functions.
- Work with existing GibbsCAM programs on the shop floor.
- Make supported changes to existing manufacturing data.
- Save or export manufacturing files.
- Generate NC code.
- Postprocess existing operations.
- Transfer manufacturing data to CNC machines.
- Perform supported feeds-and-speeds and intermediate-tooling tasks.

In Summary

GibbsCAM Viewer is designed primarily for review, inspection, simulation, and verification of existing manufacturing data.

GibbsCAM Operator extends these capabilities with selected manufacturing, program-handling, and post-processing functions for users who need to take existing programs through the final stages of production preparation.

Neither edition replaces the full programming capabilities provided by GibbsCAM Industrial Edition.

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