

What's NEW in VERICUT 8.2.2.5

IMPORTANT! - Licensing is NOT included in software shipments. See "How to get a license" below for details.

December 5, 2019

Dear VERICUT® User:

Thank you for your continued investment in VERICUT, an important part of your NC programming and machining process!

The VERICUT 8.2.2.5's NC program simulation, verification, and optimization technology is packed with new features making it more powerful and easier to use. This letter describes important changes in VERICUT 8.2.2.5. Take a moment to review what's new and improved in this release.

Maintenance and Licensing Information

How To Get a License - All users must complete and return the License Request Submit the application at:
http://www.cgtech.com/vericut_support/request-license/. Licensing is sent via Email only.

NOTE: This software requires a VERICUT 8.2 license.

VERICUT VERSION 8.2.2.5 runs on 64 bit Windows, and is supported on Windows 7 and Windows 10 computers. It is not available for 32 bit Windows computers.

VERICUT's license server will continue to run and be supported on 32 bit or 64 bit computers.

Both VERICUT and the license server can be installed by both 32 bit and 64 bit computers. When installing VERICUT with a 32 bit computer you will be warned that it can only run on 64 bit systems. The warning will not display when installing the license server.

Software maintenance keeps you on the cutting edge - CGTech provides update software to customers with current software maintenance. Your continued maintenance ensures that you have the most advanced verification technology available. If your maintenance has expired, please contact your CGTech representative (<http://www.cgtech.com/about/contact-us/>).

Sincerely,

Andre Colvin

CGTech VERICUT Composites Product Manager

V8.2.2.5 Release

New Features

- Added feature for robots to better calculate A6 travels limits
- Support alternative Euler angle motion syntax
- Added support for probing with robots
- New “Restart” option has been introduced to the NC Program panel.

Expanded Documentation

- Expanded documentation on Configure Component Form

Bug Fixes

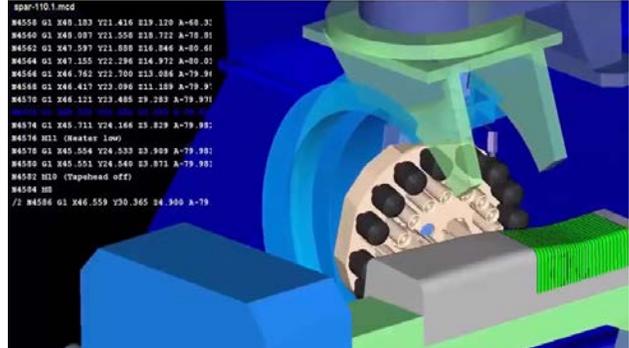
- An issue related to Siemens Function arguments of more than 256 characters in length causing unexpected termination has been corrected.
- Issues regarding Siemens 840D array indexes have been corrected.

V8.2.2.1 Release Highlights

Head-Up Display

Head-Up Display (HUD) shows NC program or Status information over VERICUT's graphical views. HUD is configurable- users choose the information to display, text size, colors, translucency, and more.

To see a video [click here](#) or check the video listing on the Welcome panel of VERICUT.



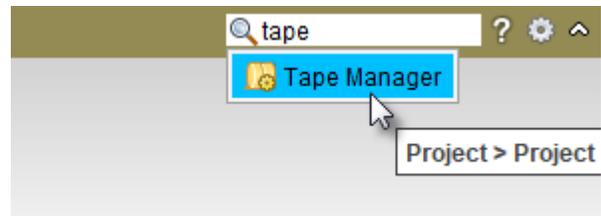
Radial Menu

The Radial menu, accessed by right-clicking anywhere within a graphical view, puts commonly used functions just one click away. Radial menu choices are customizable via the Customize Ribbon (Gear) icon > to access the Pop-up Menu tab.



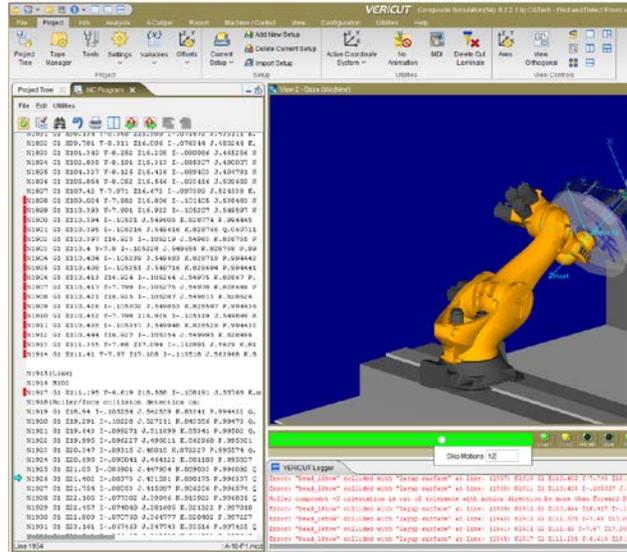
Ribbon Search

The Ribbon Search (Magnifying Glass) icon makes it easy to find favorite features in VERICUT's Ribbon interface. Just type a few characters in the search field, and a list of matching feature names is presented. Hover over a name in the list to learn where it resides, or select it to perform that action.



NC Program “Alerts”

Alerts symbols identify blocks causing errors (Red) or warnings (Orange), so programmers can quickly spot them. Hovering over an alert symbol reveals descriptive text about the error or warning condition. NC programs containing errors are highlighted in the Alert color.



Keyboard Shortcuts

Keyboard Shortcuts speed workflow by letting users define hot-key combinations that can quickly access VERICUT functions, or perform common user actions.

To see a video [click here](#) or check the video listing on the Welcome panel of VERICUT.



More Enhancements and Changes in V8.2.2.1

Verification

- HTML Report generator produces relative pathways for images.
- A streamlined View Cube with translucent background has been implemented.
- The File Selection window has been updated with Windows-like functionality to enable you to navigate to previous locations more quickly, multi-letter find feature, folder options, full path listing, and a right-click options menu.
- Model Utilities has new convex subdivide and remove features.

Tool Manager

- Tool library file encryption on the Save File encrypting Tool Library files prevents component details from been seen or edited.
- Support added for Sandvik CoroPlus Tool.

G-Code Processing

- **SiemensPolarAngle** now takes into account mirroring.

Problems Resolved in V8.2.2.1

- Fixed reported problem where Driven Points did not display correctly across all views.
- Axis Mapping logic has been enhanced.
- Fast feed exceeded errors are no longer falsely generated for motions in degrees per minute feed mode.
- Resolved an issue of unexpected termination when array variables are highlighted and Defined At or Last Update when selected from the right mouse button menu.
- Tool Use Graph displays tool information via moving the mouse over the color line.
- Improved space bar to allow block function in Step Into Subroutine.
- X-Caliper measurements no longer get stuck in metric.
- Importing CATPart no longer causes unexpected termination.
- Improved Model Utilities Repair function of STL files to output models faster, ensure surface normals are consistent throughout, and create higher quality models.

New Macros in V8.2.2.1

AdditiveSetMaterialFeedUnits
CancelSecondaryWorkOffset
ConditionalActionCancelList
CoupleCompNames
CycleTurnThreadRetractMotion
GageOffsetDirect
PartNormalModal
ProcessCompNameFeedrate
ProcessCompNameValueSync
ProcessCompNameValueSyncWait
ReportExpressionErrorsOnOff
ReportInvalidCharsErrorsOnOff
SiemensAXISMappingOnOff
SiemensPAROT2
SiemensRotaryRanges2
SiemensTCOFR2
TransformXyzUvwOnOff
UnCoupleCompNames
WPRelativeOnOff