What's NEW in VERICUT 9.5.3

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April 22, 2025

Dear VERICUT® User:

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

VERICUT 9.5.3 features organizational improvements, enhanced simulation logic, simplified interfaces, and much more. These changes and more will be described in the following pages. Please take a moment to review what's new and improved in this release so you and your company can take full advantage of this latest simulation, verification and optimization technology.

Maintenance and Licensing Information

NOTE: This software requires VERICUT 9.5 licensing and Sentinel 9.8.1 License Server installation.

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VERICUT 9.5.3 runs on 64-bit Windows, and is supported on Windows 10 and 11 computers.

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,

Ely Wahbeh

CGTech VERICUT Product Manager

Enhancements in V9.5.3

Verification

VERICUT-COMMAND CGC records now display the changed value in the logger area.

VERICUT has a dark mode which also changes text over dark backgrounds to white to be more visible.

VERICUT's Siemens ONE library control is enhanced to allow adjusting TOROT relative to tool axis.

G-Code Processing

Rotation Angle support added for **AdditionalWorkCoord** macro.

Plane points support has been added for certain control files.

CycleFeedMode macro added to check for when feedrates should be considered as a Fast Feed.

Tool Manager

Tool Manager header now displays the number of tools in the Tool Library.

Search Tool has Include Current Library turned off by default.

CAD/CAM Interfaces

3DEXPERIENCE

- All configure tools are displayed in the Tooling tab.

CATV5

- Filtering options have been added for .sub and .spf files.

EdgeCAM

- Support for EdgeCAM 2024 has been added.

AUTO-DIFF

A separate AUTO-DIFF image can be saved for each individual setup.

Reports

Sequential Time sorting option has been added to Reports.

Problems Resolved in V9.5.3

Verification

An issue of Revolved Cutter STL models producing non-cutting portion of the insert error has been corrected.

An issue with Graphs displaying error messages upon opening has been corrected.

An issue with APT multi-setup has been corrected.

Issues of unexpected termination occurring when changing model tolerance have been corrected.

An issue of variables disappearing from library files has been corrected.

An issue of translating CNC Machines by the 3 Planes feature generating false null point errors has been corrected.

Issues of VERICUT not processing certain special characters have been corrected.

Machine Simulation

An issue with collision detection not working as desired has been corrected.

An issue of attached component not resetting properly has been corrected.

An issue of grinder geometry warping during simulation has been corrected.

An issue of certain functions causing arc motion error warnings has been corrected.

An issue of multi-spindle machines not removing material correctly has been resolved.

G-Code Processing

An issue of cut stock generating before project is run when autoload stock is active has been corrected.

An issue of **AutosetTableAxis** macro not working as desired has been corrected.

An issue of **Ijk2AnglesAddOffset** macro not functioning as desired with rotary blades has been corrected.

An issue of wrong cycle time calculation has been corrected.

An issue of model files not cutting correctly when both the part and the tool are spinning has been resolved.

Optimization

An issue of Graphs generating wrong values during Force optimization has been corrected.

An issue of Air Cuts Only optimization method not working as desired has been corrected.

An issue of incorrect error warnings generating during NC Program optimization has been resolved.

An issue of graphs not generating as desired during multi-program setups has been corrected.

Tool Manager

An issue of the comment box not retaining text has been corrected.

An issue of Tool Manager not displaying APT 7 type cutters has been corrected.

An issue of coolant through type being lost on referenced tool list has been corrected.

An issue of step tools not importing correctly has been resolved.

An issue of Build Tool List feature failing to populate the Tool Event Setup tab of the Tool Change List panel has been corrected.

CAD/CAM Interfaces

Esprit

- An issue of tools being exported with incorrect lengths has been corrected.

GibbsCAM

- Issues with Swiss type machines has been corrected.
- An issue of tool colors not importing correctly has been resolved.
- An issue of turn inserts not importing correctly has been resolved.

MasterCam

- An issue of models not displaying correctly has been resolved.
- An issue of accidental cut stock creation in a new setup has been corrected.
- Issues of multi selection not functioning have been corrected.
- Issues of window resizing not working as desired have been corrected.

NXV

- An issue of tool import not working as desired has been corrected.
- An issue of incorrect tool assembly errors generating has been resolved.
- An issue of holders failing to load properly has been corrected.

Reports
An issue of page break not working has been corrected.

Probing
An issue of cycle probing producing incorrect results has been resolved.

Reviewer
An issue of stock disappearing during simulation has been corrected.

New Macros in V9.5.3

CycleFeedMode
CycleMillPocketToolRadiusLogic
CycleNormalInverse
CycleTurnContourLabel
HeidSysRead503_504ReverseOnOff
IjkAnglesLinearAdjustOption

9.5.2 Release Notes

Enhancements in V9.5.2

Verification

Inspection Range in Setup plan now has new option for defining tolerance range. Now users can define Maximum and Minimum range.

Batch Wizard was enhanced to add auto-diff=<file> command line option.

G-Code Processing

AutosetTableAxisVars2 macro has been reworked to better handle the C axis.

SetNCProgramVar macro added to store file pathway for current NC Program.

NumVarBracketOption macro added to handle NUM control.

AutosetToolManDiameterVars macro added to automatically transfer Diameter data from Tool Manager to specified numeric variables.

Optimization

Optimization logic avoids outputting restore Programed federate when incountering non optimized comments into the optimized file. The programmed feedrate is now restored at the 1st non-rapid motion block unless it has specified feedrate.

Optimize Control window better tracking if changes were made during simulation.

Tool ID warning can now be disabled when Optimization is turned off.

CAD/CAM Interfaces

Mazak

Rapid feedrate and Cutting feedrate limits added for Smooth controls.

VMC Project

"Cut stock model being optimized for collision checking... please wait" message has been enhanced to show up less frequently.

Problems Resolved in V9.5.2

Verification

Issues of unexpected termination have been resolved.

An issue of collision check results changing depending on where the simulation was paused has been corrected.

An issue of IP files not opening has been resolved.

An issue of Inspection Range window not working as desired has been corrected.

An issue of tap shank collision disappearing depending on which channel was used has been resolved.

An issue of custom icons not appearing as desired has been resolved.

Cutcom Sketch's Polar Mode not working as desired has been corrected.

An issue of Probing Cycles not working as desired has been corrected.

An issue of Batch Wizard struggling to add auto-diff=<file> command line option has been corrected.

An issue of VERICUT Logger turning off certain warning messages has been corrected.

An issue of DPZ not working correctly has been resolved.

Machine Simulation

An issue of Merge IP causing ForLoop and ForEndLoop functionalities to fail has been corrected.

An issue of interpolated turning cutter compensation not working as desired has been corrected.

G-Code Processing

An issue of **ClampOnOff** macros not working as anticipated has been corrected.

An issue of motion planes changing unexpectedly during active cutter compensation has been resolved.

An issue of certain macros saving the information they created in the wrong locations has been corrected.

An issue related to circle processing has been resolved.

Optimization

An issue of multi project setups deactivating SMRs has been corrected.

An issue of Graphs not updating to the correct NC Program when clicked has been corrected.

An issue of certain .opti files generating false feedrates has been corrected.

An issue of Air Cuts Only unnecessarily changing the federate has been corrected.

Tool Manager

An issue of referenced tools displaying an incorrect number of teeth has been resolved.

An issue of spin point button usage affecting collision check has been corrected.

An issue of X-Caliper's bounding plane feature causing unexpected termination has been resolved.

An issue with Annotated Dimensions overlapping has been corrected.

CAD/CAM Interfaces

GibbsCAM

- An issue of certain files importing in the incorrect measurement units has been resolved.

MasterCam

- An issue with MCAMV 2025 not outputting certain tools correctly has been resolved.
- An issue of unexpected program idling has been corrected.
- Issues of failed exporting have been resolved.
- An issue of MCAMV giving false exception errors has been corrected.

PowerMill

- Issues with PowerMill sometimes outputting blank information has been corrected.
- An issue of changing the template path causing issues with set preferences has been corrected.

TDM

- An issue of certain characters being unreadable in TDM has been corrected.

X-Caliper

An issue of X-Caliper mismeasuring dimensions has been corrected.

An issue of C-Sink Depth not working with chamfers has been resolved.

AUTO-DIFF

An issue of AUTO-DIFF capturing images before they are refined has been corrected.

Reports

An issue of Reports not saving Report Per Setup names correctly has been resolved.

An issue of Inspection Report not displaying ranges accurately has been corrected.

An issue of reports not generating as directed has been resolved.

Documentation

Notes about Siemens 840D PROC Command page has been rewritten to make instructions of certain commands clearer.

Training Session 108 has been updated with Remove Material and Detect Collisions sections.

New Macros in V9.5.2

ApplyOffsetstoPoint
AutosetToolManDiameterVars
CutterComp3dReversedWarnLevel
GageSpindleLinearOption
Heid_CircleCenterIncX2
Heid_CircleCenterIncY2
Heid_CircleCenterIncZ2
Heid_CircleCenterX2
Heid_CircleCenterY2
Heid_CircleCenterZ2
NumVarBracketOption
RepeatLoopCount
SetNCProgramVar
SubroutineOrderLogic

9.5.1.1 Release Notes

Problems Resolved in V9.5.1.1

Verification

Fixed an issue reading compressed IP files.

Fixed an issue switching from Local to Online help.

Simplified setting tolerances in setup plan.

Resolved an issue opening vcprojects samples from list of samples.

Resolved an issue of unexpected termination that was caused by TopSolid generated TLS file.

Resolved an issue with SMR records being deactivated when using multi setup.

Fixed issue with not program not automatically navigating into the correct subroutine when clicking in graph window.

Fixed an issue of unexpected termination in Tool Manager caused by using bounding box measurement in X-caliper.

CAD/CAM Interfaces

CATV5

- Fixed a reported delay in closing CATV 5 interface window.

GibbsCAM

- Resolved a mix unit issue with model transferring from GibbsCAM.

MasterCam

- Fixed an issue with Mastercam interface not outputting correct tap tool.
- Fixed an issue with Mastercam interface not transferring Face Mill data correctly.
- Fixed a reported delay in closing Mastercam interface window.

PowerMill

- Resolved issue with PowerMill interface only outputting a TLS for multi-setup.

VERICUT 9.5.1 Release Notes

Enhancements and Changes in V9.5.1

Verification

Annotated Images identifier limit has been increased to four digits.

Copy paste functionality introduced for electrode tools.

CYCL DEF 252 library subroutines have been expanded to support 3 simulation options: rough, finish, and rough and finish.

The List of Samples window has been enhanced with several new examples and improvements for easier use.

Optimization

Force Analysis checks if cutter material and edge type are mismatched then outputs warning message.

Improvements have been made to optimized federate calculations for CSS mode and programming non-linear motions.

G-Code Processing

Support added for pecking with Tapping Cycle.

ActiveSpindleSpeedCheck macro added to check spindle speed.

Tool Manager

Inactive Stock Material Records are now recorded so that they will not become active again unless prompted to do so by user.

Coumat has been removed from Tool Manager ribbon.

Lemoine has been removed from Tool Manager ribbon.

CAD/CAM Interfaces

MasterCAM

- Mastercam mesh models are now supported.
- Interface has been enhanced to automatically populate STL and other model types including mesh models as long as they are defined in Mastercam Stock Setup.

PROEV

- Support added for Creo 11

Reports

Report Tables was enhanced with right mouse button menus for adding and deleting table records.

Report Table columns was enhanced to have sub-lists and groupings to make navigating adding new records easier.

Problems Resolved in V9.5.1

Verification

An issue with VERICUT-COMMAND, FIT ALL has been corrected.

An issue of Batch Mode not working with some commands has been resolved.

An issue of Transform Menu not selecting along the desired axis has been corrected.

An issue of NC Program Review not jumping to desired current line has been corrected.

An issue of material incorrectly being added to cut material after simulation has been resolved.

An issue of .tls files not displaying correctly in the Project Tree has been resolved.

An issue with Save In Process file has been resolved.

Issues of unexpected termination have been corrected.

Optimization

An issue related to Force Optimization cut distance not calculating correctly has been resolved.

An issue of optimized fast feed exceeding designation maximum feedrate setting has been corrected.

An issue of Optimize Control window not functioning with certain training files has been resolved.

An issue of optimization incorrectly changing toolpaths and causing collisions has been resolved.

An issue of tool units displaying incorrectly in Optimization tab has been corrected.

An issue of some designated Cutting Limits features resetting to zero after optimization has been corrected.

G-Code Processing

An issue with **ToolCallAlpha** macro not working as desired has been corrected.

An issue with **SetVCMultiTools** macro producing incorrect cutting distances has been resolved.

An issue with Sin840D producing incorrect time calculations has been resolved.

An issue with **AutosetToolManCutComVars2** macro has been corrected.

An issue of collision colors not displaying for mirrored models has been corrected.

Machine Simulation

An issue with processing cutter compensation has been resolved.

An issue of NC Program not displaying info during simulation has been corrected.

Tool Manager

An issue of .tls files not saving correctly has been resolved.

Ane issue of proper error message not being output when tool length exceeds designated maximum tool length value has been corrected.

An issue of shank tools not importing correctly has been resolved.

CAD/CAM Interfaces

MasterCAM

- An issue of MasterCAM interface not properly selecting models when defined as a level has been corrected.
- An issue of files saving under incorrect names across projects has been resolved.
- An issue of MasterCAM interface repopulating work offset every time the project is open has been corrected.
- An issue of fixtures generating in wrong location has been corrected.
- An issue of unexpected termination has been corrected.

NXV

- An issue of ballnose drills not importing correctly has been resolved.

AUTO-DIFF

An issue of minimum and maximum values not updating in the Compare by Region tab has been corrected.

Reports

An issue of units not being consistent between Report columns has been corrected.

An issue of tool report generating incorrect errors has been resolved.

X-Caliper

An issue related to Inspection Sequence not displaying has been corrected.

An issue with Annotated Images text displaying incorrectly has been resolved.

An issue of Dimension Label not working as desired has been corrected.

VMC

An issue related to MEASFRAME not calculating correct values has been resolved.

Installation

An issue of Help installation explanation not displaying on relevant page of Installation panel has been corrected.

Reviewer

An issue with click and drag machine features has been corrected.

An issue of tool heads not orienting correctly in Reviewer has been resolved.

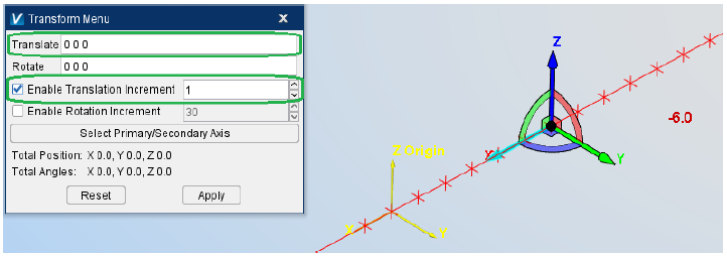
New Macros in V9.5.1

ActiveSpindleSpeedCheck
CutterCompFlipOnReversedToolAxis
PolarXValue
SetInvoluteMaxDeviation
SetRelationalWorkCoordFromTo
SetRelationalWorkCoordIndexFromTo
TapeCacheTowOnOff2
ToolChange2
ToolChangeMachineSubroutine2

VERICUT 9.5 Release Highlights

Interactive Transform Menus

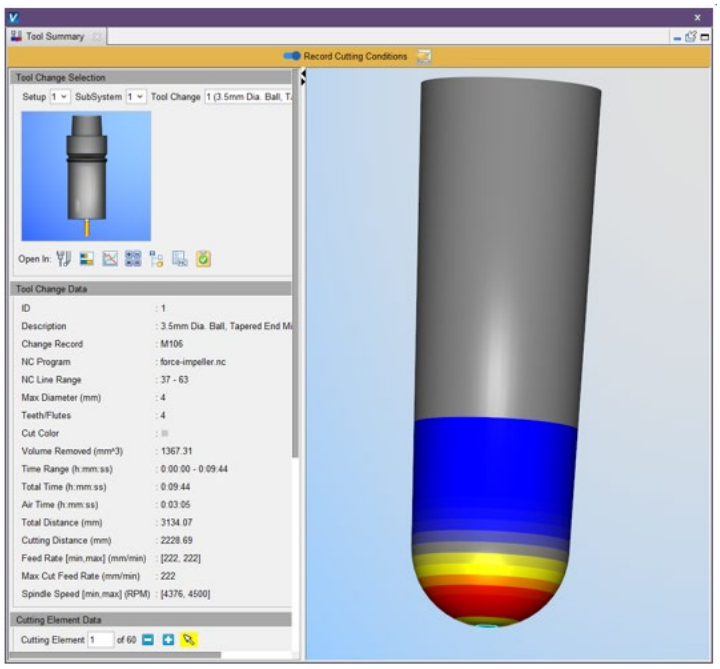
9.5 features new Transform menus to manipulate coordinate systems, components, and models like never before. These features help orient the positions and angles of machine components, cutting tools, models, and coordinate systems. Transform menu options are provided in machine setups, Assembly Manager, Tool Manager, and the Tool Change List dialog.



Tool Summary

VERICUT's new Tool Summary window displays wear pattern on your milling and drilling tools. A combination of colors and messages can be used to understand how each tool was used, and the effects of each cut on the tool.

Track tool life by assigning wear limits to cutters for a variety of machining factors, such as cutting time, material removal volume or cutting distance, to get notified when a tool is nearing expiration. Different values can be specified for machining different stock materials. This is useful to better predict when a tool change will be required, and to improve tool inventory management.



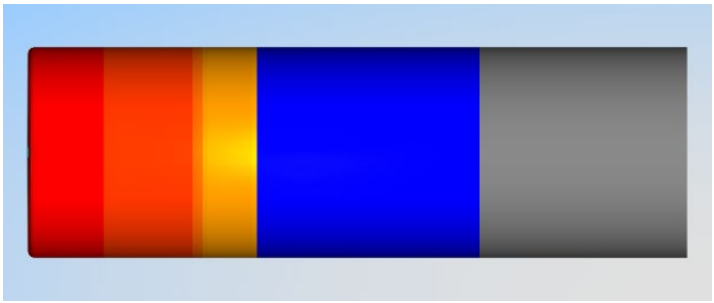
In the adjoining example, these colors show the following information:

Red – most wear

Orange and yellow – moderate wear

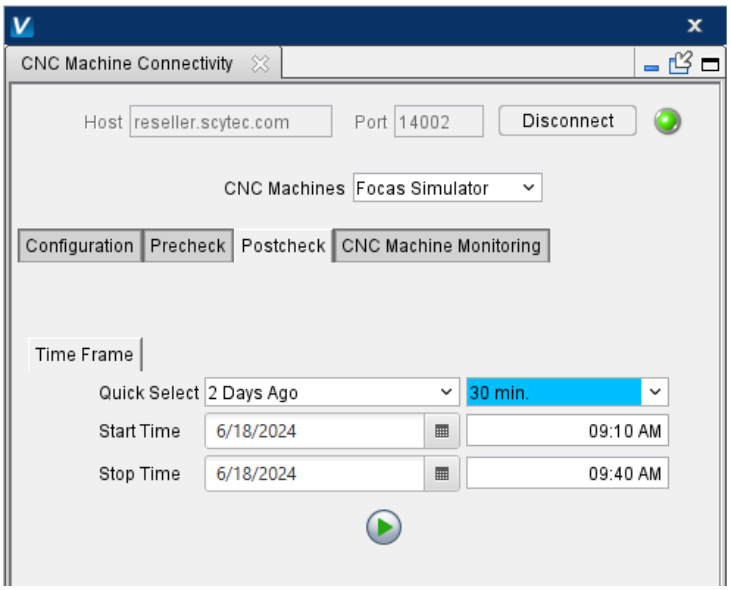
Blue – least wear

Gray – no wear



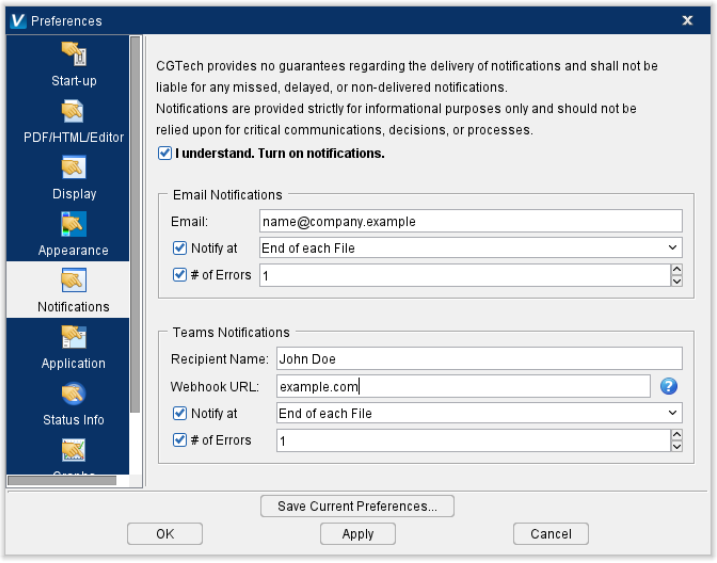
CNC Postcheck

CNC Machine Monitoring now includes Postcheck as an investigative tool for when something happened while machining a part. As parts are being machined, CNC Machine Monitoring will record data in a Commercial cloud, GovCloud, or locally at the customers site (On Premise). Once recorded, use Postcheck to select a Time Frame from archived data to replay and observe how the NC Program actually ran on the machine.



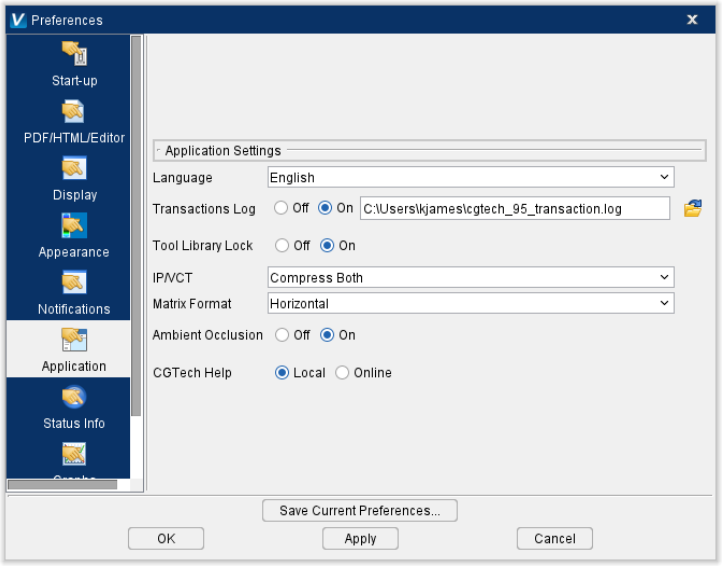
Preferences window, Notifications tab

The **Notifications** tab allows the user to set up both email and Microsoft Teams notifications about running the project. Toggle on notifications to be sent at **End of each File**, **End of each Setup**, **End**, or at a specified **# of Errors**.



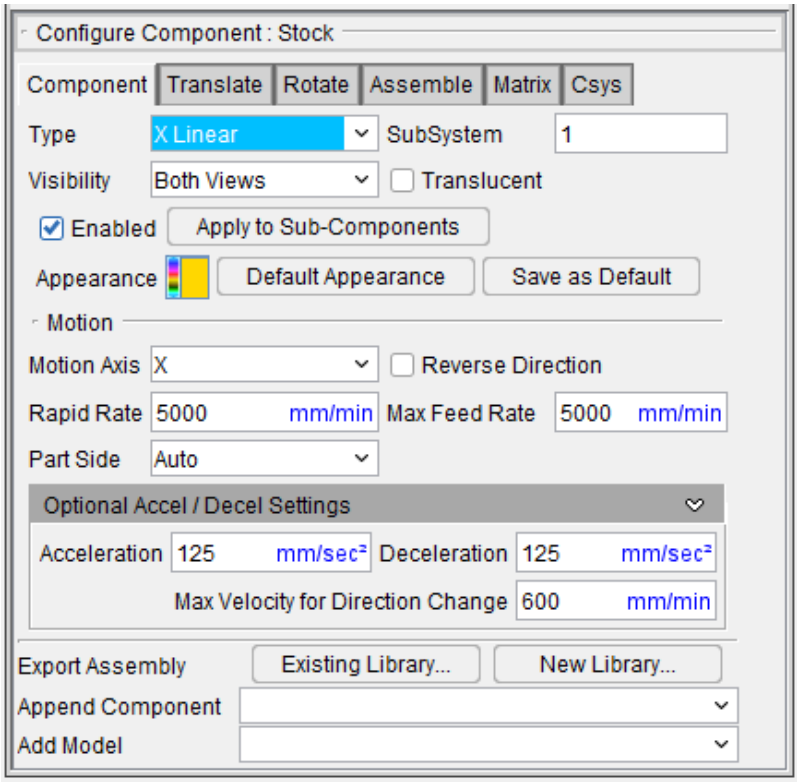
Preferences window, Application Tab

The Preferences window has been redesigned with a new layout. A new **Application** tab sets various default features of VERICUT such as the native language and other variables that have traditionally been set in the batch file. With settings available in the GUI, the user will not need to exit VERICUT to set a variable, they can just set it here.



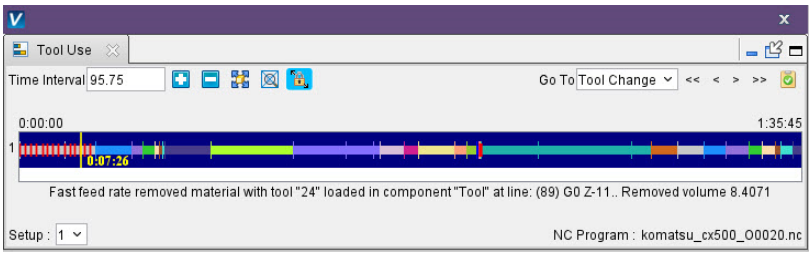
Configure Component panels

Configure Component panels have been reorganized with a more streamlined and visually pleasing layout. This reorganization also merges Accel/Decel tab features for motion components to the Component tab, so all relevant data for a component can be entered in one place.



Tool Use

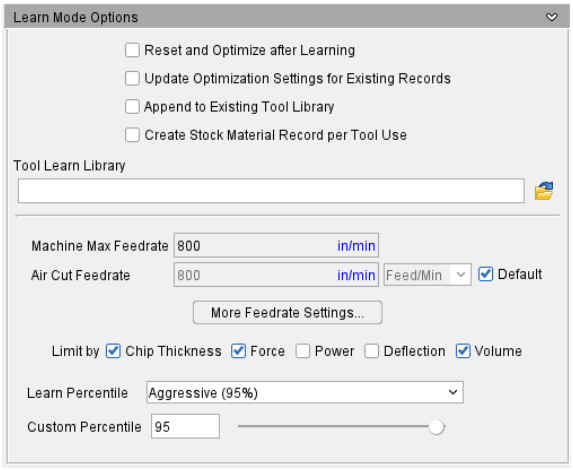
The Tool Use panel has been updated with additional features like a Go To section to navigate between various changes. There are also new zoom options including a Zoom to Box functionality (which can be replicated with the right-mouse button) and an Auto Fit option. Errors and warnings will show up on the timeline and user can select the error there then enter review mode to see where in the code the error occurred.



Color-coded markers identify where Errors (Red) and Warnings (Orange) occurred during the simulation. Users can select a marker, then enter NC Program Review mode via the new icon added to the window, to see where in the NC program the event occurred.

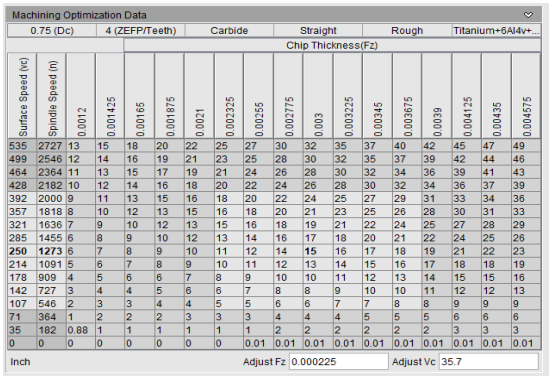
Learn Mode Options

Enhanced Learn Mode Options feature evaluates machining performed by each cutting tool, then auto-configures optimization to increase cutting performance and efficiency. This feature now learns from cutting tools used multiple times (e.g. roughing, semi-finishing, finishing, etc.), then uses the learned information to optimize those tools uniquely, per each machining operation it performed. Create Stock Material Record per Tool Use feature can be toggled on (checked) to create individual stock material records for each tool as it is used.



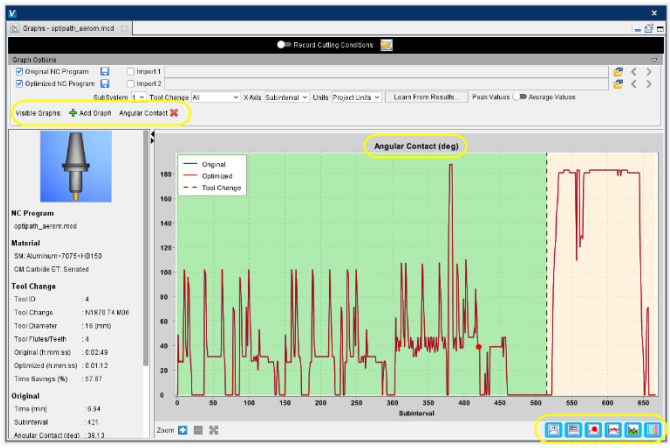
Tool Performance Data

VERICUT 9.5 provides enhanced and expanded tool performance data for additional cutter types and cutting materials. When adding Stock Material Records to cutters or inserts, choose “VERICUT Tool Data” to see recommendations for cutting feedrates, spindle speeds and more, compiled from the world’s leading tooling brands. This data is available to all users, not just Force optimizers.



Graphs

Graphs window has been streamlined by moving display options to the bottom icon toolbar. Visible graphs are also now toggled on via a separate Visible Graphs option and window. They can be removed directly from the toolbar by clicking the adjoining red X or from the Visible Graphs window. New Angular Contact graph option has been added as well.



Die Sinking Simulation

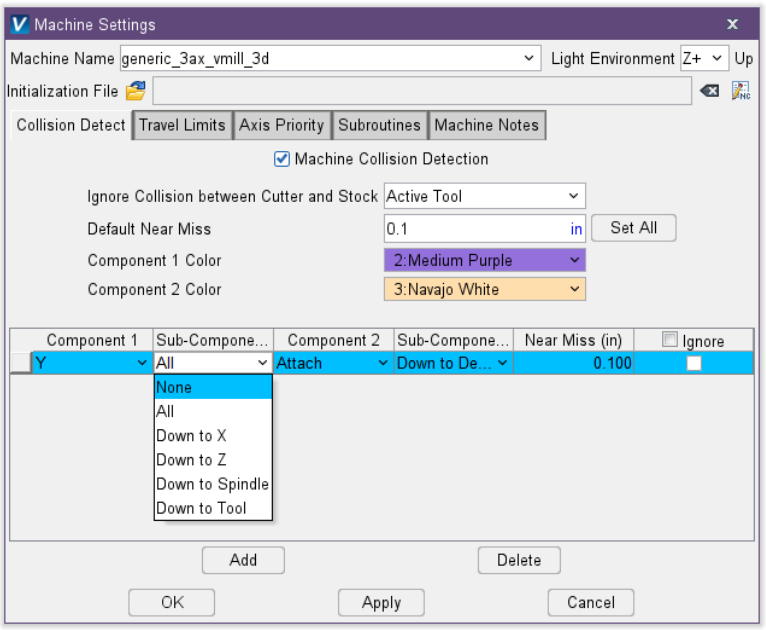
A new “Electrode” tool type was introduced in 9.5 for use in new “machine driven” die sinking simulation. The electrode tool can be changed in/out of the machine like any other tool, and used to burn away material as commanded by the NC program.

ZIP Files

User can open a ZIP file containing VERICUT files (e.g. saved via VERICUT’s File Summary) without the need to first expand the zip file. Changes to those files in VERICUT are saved back on to the ZIP file.

Machine Settings window, Collision Detect tab

This window has been updated with additional coloring features and new options to better identify collisions and near misses. A new feature has been added to Sub-Component that gives the user the control to either use all sub-components or specify a specific component.



Enhancements and Changes in V9.5

Verification

VERICUT's core features have been improved including enhancements to performance speed, augmented material removal, and refined graphical display.

Collision logic has been improved especially in regards to some turning inserts and non-cutting portions of the insert.

Graphical changes have been made to VERICUT windows to make it easier to grab the edges or corners for resizing.

The Refine Display feature has been improved to provide even higher quality graphical display improvements. There are multiple options (Best, High, Medium, Low) to enable users to specify display quality. Lowering display quality increases processing speed but VERICUT has been optimized so that Best quality (the default option) is still fast.

Stock Material selection for VERICUT projects has been made easier and is now available in several additional user interface locations.

NC Subroutines can now be sorted Alphanumerically through the right-mouse button menu.

A new Configure Component: Turret panel has been implemented to better control turret tool changes.

Enhanced parsing of APT/CL programs added.

VTPD database has been expanded and enhanced.

Optimization

OptiPath has been retired and won't be available in VERICUT 9.5 or later releases. All on-maintenance OptiPath users will instead receive a Force Milling license per each on-maintenance OptiPath license they had. Existing VERICUT optimization files will continue to be optimized as before but using the Force module.

Tool Manager

Added "Turning/Milling Tool Orientation" choice in Tool Manager Preferences, which controls both default tool view orientation in Tool Manager and Report tool images.

Tool Manager Annotation Plane functionality has been clarified to make it clear that it does not create new annotation planes.

Machine Simulation

Simulation can be set (via new Display preference) to automatically pause during view manipulation, ensuring users can adjust viewing without missing any simulated motions or cuts.

Graphs

Graphs window now contains a Tool Change dropdown menu that allows you to view the Current Tool in use.

CAD/CAM Interfaces

Creo

- Creo 10 now supported.

Mastercam

- Mastercam 2025 now supported.

G-Code Processing

LoopCount macro has been updated to eliminate computer roundoff errors.

FeedPerMinuteType macro can now handle unit conversions.

SiemensToolCode macro introduced to help with certain tool changes.

Support added for SYSREAD ID 140.

MaxCharsPerComment macro introduced to set comment length limits.

OptiOutputPostText macro introduced to manage **OptiOutputText** placement.

AutosetToolManLengthIDs introduced to set length IDs in Tool Manager.

SiemensACTBFRMaskOnOff macro added to calculate total $P_ACTBFRAME.

Library Controls have been updated to support better G-Code Processing.

CNC Machine Connectivity

Precheck and Postcheck support for CNC has been expanded. You can replay when specific parts were run on a CNC machine.

Support added for new CNC control types: OKUMA, Siemens, Heidenhain.

Reports

Added "Gage Point Z/X/Y" in VERICUT and Tool Manager report template editor under Tool Summary/Tool Table and Text list.

Reports now generate a Total row count for Tool Summary tables.

Robots

KRL Library search has been expanded to also search associated subfolders.

Problems Resolved in V9.5

Verification

Issues of unexpected termination have been resolved.

Issues of VERICUT freezing during certain simulations has been resolved.

An issue of exporting models to STL causing unexplained stock removal issues has been corrected.

Issues of slowed performance have been corrected.

An issue of converting a Holder to a Shank not updating its status in the Stock and Active Holders section has been resolved.

An issue of decimal points disappearing during Syntax Check has been resolved.

An issue of animation speed slider position causing collisions to occur has been corrected.

An issue of knife tool collision not generating proper warning has been corrected.

An issue of while/do loops not working as desired has been resolved.

An issue of certain icons disappearing when icon size is set to Large or X-Large has been corrected.

An issue of near miss warning not generated at specified time has been resolved.

An issue of certain error messages not generating in completed projects has been corrected.

An issue of false maximum feed warnings generating has been corrected.

An issue of fast federate exceeding maximum feed settings when animation speed slider is adjusted has been corrected.

An issue of VERICUT not saving .csv files as specified in Graphs settings has been resolved.

Issues of VERICUT generating an incorrect collision have been corrected.

Optimization

An issue of “Save as Optimization Setting” opening the wrong file type has been corrected.

An issue of attached driven point not working as expected during Force Optimization has been resolved.

An issue of Force Analysis improperly requiring Force licensing to function has been resolved.

An issue of Air Cuts Only optimization incorrectly increasing the cycle time has been corrected.

An issue of Force generating unrealistically high chip thickness values in certain cases has been resolved.

Machine Simulation

Issues of inserts not being visible in Profile view have been corrected.

An issue of certain tool images not generating correctly has been resolved.

An issue of incorrect Syntax errors generating has been resolved.

Issues of animation speed slider position changing the machining time has been corrected.

An issue of over travel warning not generating when appropriate has been corrected.

An issue of move design with stock not working as anticipated has been corrected.

An issue of decreased performance when multiple setups are active has been resolved.

An issue of removed material reappearing during simulation has been resolved.

Tool Manager

An issue of referenced tools not displaying correctly in Tool Display Area has been resolved.

An issue of Build Tool List feature not functioning as desired has been resolved.

CAD/CAM Interfaces

CATV

- An issue of CATV5 being unable to locate certain VERICUT files has been resolved.

Mastercam

- An issue of MCAMV interface not outputting Cutter Compensation ID when desired has been corrected.

G-Code Processing

An issue of **ActiveSpindleCompName** macro failing to stop when turned off has been corrected.

An issue of **Heid_CallTextSubName** calling the wrong subname has been corrected.

X-Caliper

An issue of X-Caliper Lables disappearing upon deactivation of Annotate Images has been corrected.

Post Processor

An issue of certain values not being output when called has been corrected.

Reviewer

Issues of certain tools not loading properly in Reviewer have been resolved.

An issue of Reviewer not simulating stock removal accurately has been corrected.

An issue of spun tools not simulating correctly in Reviewer has been corrected.

An issue of Batch Wizard not running as intended in Reviewer has been resolved.

Reports
Issues of improper row duplication have been corrected.

New Macros in V9.5

AutosetToolManLengthIDs

CouplesSpindleSpeedCompNames

CycleBoreBottomRetractDist

CycleTurnCancel

DiesBurnModeOnOff

FanucSetvnNameLimit

FanucSetvnVariableRange

FunctionTypeMismatchOnOff

Heid_ProbeCommentCheck

HeidSysRead220ApplyTransform

HeidSysReadMcdUnits

Ijk2AbcType19ApplyWORotation

InterpolatedTurningAxis

InterpolatedTurningCenterX

InterpolatedTurningCenterY

InterpolatedTurningDir

InterpolatedTurningFeedrateFactor

InterpolatedTurningMaxSpindleRPM

InterpolatedTurningOnOff

InterpolatedTurningSpindleMode

InterpolatedTurningSpindleSpeed

LeadingTrailingOption

MaxCharsPerComment

OptiOutputPostText

SetDynamicVarsMcdUnits

SetOnTurningPlaneTol

Siemens840DGoto2

Siemens840DGotoSuppress2

SiemensACTBFRMaskOnOff

SiemensArgumentMismatchOnOff

SiemensRotaryMotionCheck

SiemensToolCode

TapeCacheAddSubDecimalTows

WPDynamicOnOff