



What's NEW in VERICUT Composites Programming 9.6.2

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December 17, 2025

Dear VERICUT® Composites Programming User:

Thank you for your continued investment in VERICUT Composites Programming (VCP), an important part of your NC programming and machining process!

VERICUT Composites Programming 9.6 is packed with new features making it more powerful and easier to use. This letter describes important changes in VERICUT Composites Programming 9.6.2. Please take a moment to review what is new and improved in this release.

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NOTE: This software requires VERICUT 9.6 licensing and Sentinel 9.8.1 License Server installation.

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Licensing is sent via Email only.

VCP 9.6.2 runs on 64-bit Windows, and is supported on Windows 10 and 11 computers.

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Sincerely,
Olivier Munaux
CGTech VERICUT Composites Product Manager

VCP 9.6.2 Release

Enhancements and Changes in V9.6.2

VCP now requires a mesh surface for running several functionalities. If no surface mesh is present, the user is asked to go to the Form Surfaces  Card. VCP offers mesh creation capabilities from within the software.

Surface Mesh Hide

Surface mesh is valid

Mesh source Default Custom Import

Max edge length mm

Max Sag mm

Generate Surface Mesh 

Export mesh  Write

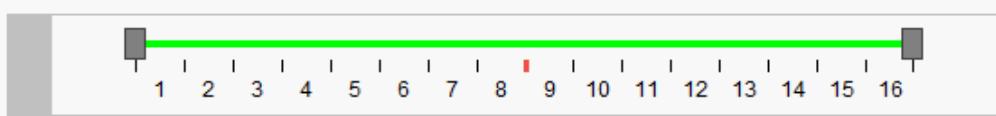
The Default option is suitable for geometries without complex features. Under the Custom option, the Max edge length and the Max sag parameters provide parameters to fine-tune the mesh geometry while attempting to keep the number of mesh vertices to a minimum for performance. The success of the mesh generation outcome is dependent on the quality of the form surfaces used for the programming. In case of failure a surface mesh can be imported inside VCP using the Import option. STL and POLYGON PLY formats are supported for importing and exporting mesh surfaces.

The functionalities that require a mesh surface in VCP 9.6.2 are:

- Analysise -> Query -> ply coverage
- Modify -> Trim
- Modify Option Zones

For ease of use, VCP added the ability to define the number of tows laid in a course in a numerical box synchronized with the slider control.

Layup Coverage



Centerline position: A slider with a green bar and two black square markers at positions 1 and 16. The numerical scale below the slider ranges from 1 to 16.

Number of tows: A numerical input field containing the value 16. To the right of the input field are two buttons: a yellow one with a 'H' icon and a green one with a 'E' icon.

Automatic reduction: A dropdown menu set to 'Off'.

The yellow  button will center the head path and the green  will rest the tow selection to the settings value.

A new set of classes for handling Process Option Zones has been added to the Python Post API. The functionalities are available from the optionzones.py file.

Problems Resolved in V9.6.2

An issue with curves in boundary tables not being deleted correctly has been fixed.

An issue with the roller compression analysis showing wrong values on thin parts has been fixed.

An issue with the functionality Insert safe restart every... has been fixed

Partial tow selection from the slider control causing incorrect splicing results on wrapped courses has been fixed.

An issue with the Tow Lane mask control not read correctly when moving from V9.3.2 to V9.6.1 has been fixed.

An issue with course trimming after rewinding one less course has been fixed

An issue with toolpath grader optimization not applied during course lead-in has been fixed

VCP 9.6.1.1 Release

Problems Resolved in V9.6.1.1

An issue preventing single tow headpaths from posting has been fixed.

An issue causing pullout points to be out of sequence has been resolved.

VCP 9.6.1 Release

Enhancements and Changes in V9.6.1

Significant performance improvement: ATL laser inspection generation is now up to 85x faster.

Improved support for Virtek laser inspection files in ATL workflows.

Geometric curve intersection operators have been optimized.

Problems Resolved in V9.6.1

Fixed an issue that could cause VCP to unexpectedly exit when reseating courses.

Resolved a problem where not all courses were linked when selecting “Many More” in certain cases.

Corrected an issue that could cause VCP to unexpectedly exit while generating helical courses on specific form geometries.

Fixed a problem where head paths could shift in the Z-axis when using “Move headpath to indicated side.”

Resolved an issue that resulted in poor trimming performance on certain complex duct geometries.

Resolved an issue that prevented Ply Coverage Analysis from functioning correctly.

Addressed a problem that could cause VCP to unexpectedly exit when generating courses with a start point located far from the surface geometry.

Fixed a defect where mesh surfaces could disappear after saving and reloading surface data.

Resolved a rare issue that could cause VCP to unexpectedly exit when stopping course generation.

Corrected a problem resulting in inaccurate material density values during post-processing.

Fixed an issue where an empty VcLaminate file could be created during File Summary generation.

Resolved an issue that could trigger Incompatible Version errors when loading certain projects.

Addressed a rare condition where regenerated courses could differ from the originals.

Fixed a posting issue involving incorrect handling of Boundary Insets on Curved Lead-Ins.

Corrected an issue where inspecting surface normals could result in inverted probe directions.

Resolved a rare condition where Add/Remove Course operations failed to generate valid courses.

Fixed an issue where post-processor assignment could unexpectedly switch between Profile and User selections.

Resolved a problem that could cause VCP to become unresponsive when importing SolidWorks files.

Addressed an edge case that could cause course generation to fail under specific conditions.

Fixed an issue preventing import of CAD data when the incoming data shares a name with existing items.

VCP 9.6.0.1 Release

Enhancements and Changes in V9.6.0.1

Geometric curve intersection operators have been optimized.

Problems Resolved in V9.6.0.1

Resolved an issue that prevented Ply Coverage Analysis from functioning correctly.

Addressed a problem that could cause VCP to unexpectedly exit when generating courses with a start point located far from the surface geometry.

Fixed a defect where mesh surfaces could disappear after saving and reloading surface data.

Resolved a rare issue that could cause VCP to unexpectedly exit when stopping course generation.

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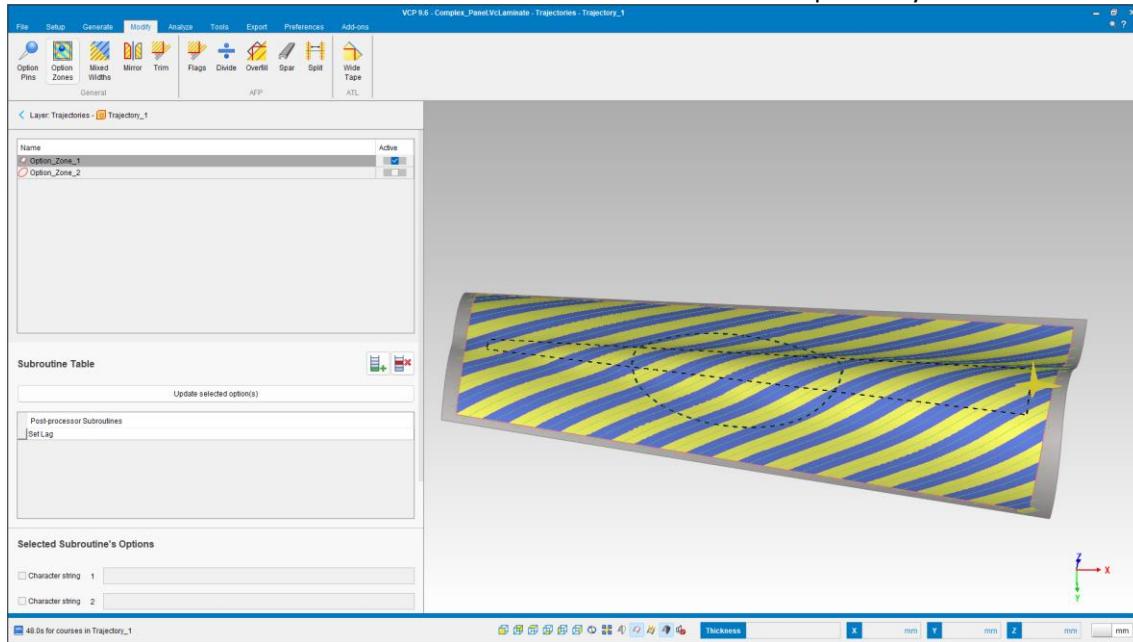
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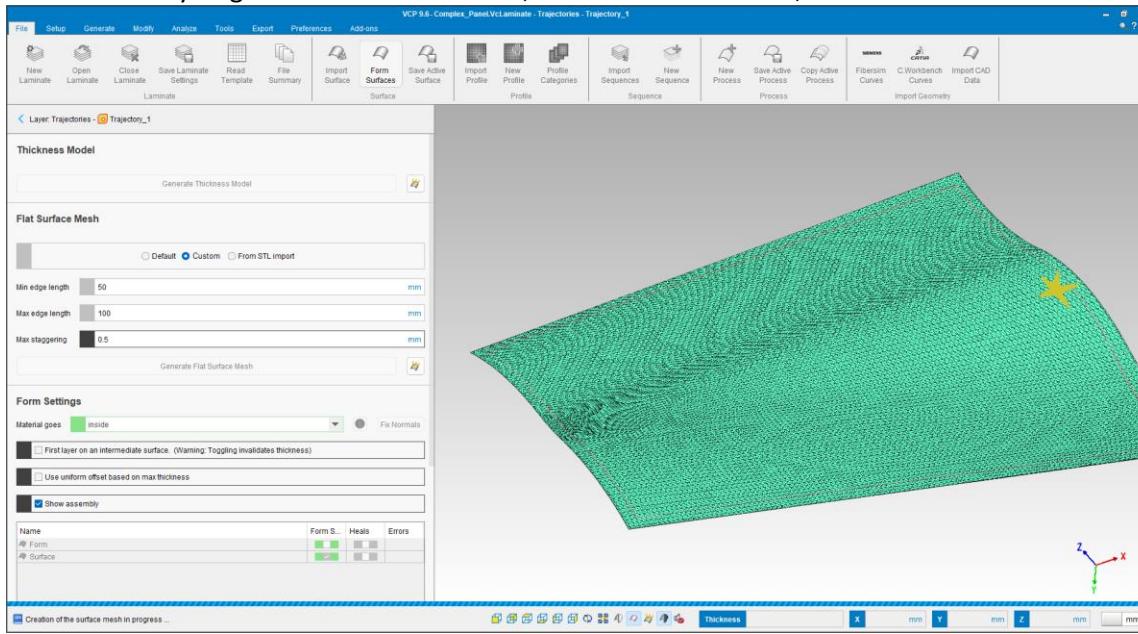
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VCP 9.6 Release Highlights

VCP added a new feature to allow users to define Post Options by Zones.



The ability to generate a custom mesh, or load one from CAD, has been added to VCP.



Enhancements and Changes in V9.6

New logic searches for post processors in the samples folder when loading VCP sample projects.

ATL Data has been added to the VCP API documentation.

A Persistent display checkbox has been added to Gap Analysis card.

Updated the Analyze -> Roller Visualization card GUI to make options more clear.

Problems Resolved in V9.6

An issue causing Modify -> Flags -> For each pick on a form, add a course to fail when Trim was selected has been resolved.

An issue with Excel templates generating the correct tow lane mask has been resolved.

Help documentation for the Query Card has been updated.

Help documentation has been updated for the File Summary card.

Help documentation for the Head card has been updated with more information on tow numbering.

An issue causing headpath anomalies in some specific circumstances has been resolved.

An issue with hasEEOPCrossing and eeopCrossingParam returning incorrect results has been resolved.

Several Virtek laser projection export formatting issues have been resolved.

A warning has been added when incorrectly using Query functions on ATL courses has been added.

An issue causing a failure to replace CAD geometry when using Import CAD Data on files of the same name in some instances has been resolved.

An issue causing a crash when using Curve Transformation in some cases has been resolved.