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[CGTech Releases VERICUT Composite Applications Software Version 8](#)

Hove, England – CGTech is now shipping the next major release of VERICUT Composite Applications: VERICUT Composite Programming (VCP), VERICUT Composite Simulation (VCS) and VERICUT Composite Paths for Engineering (VCPe). VERICUT Composite Applications are being used by leading manufacturers to program and simulate automated fibre placement and tape-laying machinery from machine tool builders such as, Electroimpact, MTorres, Fives, BA Composites and others.

“With a specific focus on closing the design for manufacturing loop, we’ve added powerful new features to help our customers build parts that meet their specifications and run on their machines,” said Product Specialist Charles Anderton. “Version 8.0 optimises workflow and helps users find the functionality they need with a minimum number of mouse clicks.”

Many new features have been added in version 8.0, including enhanced support for AFP/ATL hybrid machines, more ways to utilise laser inspection data, display detailed scrap calculations, and other vital analysis tools. A complete list of enhancements is available on the cgtech.com website.

VCPe gives the user the ability to measure and evaluate the effects of AFP and ATL path trajectory, material steering, surface curvature, course convergence and other process constraints as they would be applied in manufacturing. The software also provides produce ability analysis of the fibre angle based on the curvature of the part, and overlap and gaps needed for structural analysis. Tape course geometry can be written to various CAD formats for further evaluation by the user’s existing analysis methods and tools.

VCP reads CATIA V5, STEP, or ACIS surface models. It also reads Siemens Fibersim, CATIA V5 or other external ply geometry and information. VCP then adds material to fill the plies according to user-specified manufacturing standards and requirements. Layup paths are linked together to form specific layup sequences and are output as NC programs for the automated layup machine.

VCS reads CAD models and NC programs, either from VCP or other composite layup path-generation applications, and simulates the sequence of NC programs on a virtual machine. Material is applied to the layup form via NC program instructions in a virtual CNC simulation environment. The simulated material applied to the form can be measured and inspected to ensure the NC program follows manufacturing standards and requirements. A report showing simulation results and statistical information can be automatically created.

About CGTech

Headquartered in Irvine, California, CGTech specialises in numerical control (NC/CNC) simulation, verification, optimisation and analysis software technology for manufacturing. Since 1988 CGTech's product, VERICUT® software, has become the industry standard for simulating CNC machining in order to detect errors, potential collisions or areas of inefficiency. With offices worldwide Including UK, Germany, France and Italy and network of resellers VERICUT software is used by companies of all sizes in all industry sectors. For more information, visit the CGTech website at cgttech.co.uk, call +44 (0)1273 773538, or email info.uk@cgttech.com

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