

FOR IMMEDIATE RELEASE

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CGTech to Showcase VERICUT 8.2 at SHOT Show 2019

Irvine, CA, – CGTech will be demonstrating VERICUT 8.2, the newest version of their CNC machine simulation, verification and optimization software at SHOT Show on January 22-25, 2019 – Sands Expo Center – Las Vegas, NV.

SHOT Show is the ideal place to discover vital tools like VERICUT simulation software, which increases speed and quality when machining any type of part; uppers, receivers, scopes, mounts, etc. VERICUT is at the heart of the CNC manufacturing process for many of the world's leading engineering businesses. Machine simulation with VERICUT detects collisions and close calls, which can save your machine.

Visit CGTech at SHOT Show Booth #2327

Modernized User Interface

VERICUT Version 8.2, is packed with new convenience features. A Right-Mouse-Button Ribbon puts favorite VERICUT functions just one click away, and provides convenient access to external applications that programmers find useful. The configurable Head-Up Display (HUD) improves simulation monitoring and visibility by showing the NC program, or machining and cutting status information, overlaid on top of VERICUT's graphical views. HUD provides constant access to important details about the machining process, while keeping simulation views as large as possible for optimal viewing. NC Program Alert symbols and colors highlight errors and warnings found in NC programs, making it faster and easier to identify problem sources.

Force Turning

Force is a physics-based NC program optimization module that analyzes and optimizes cutting conditions to achieve ideal chip thicknesses, while managing the cutting forces and spindle power required. VERICUT 8.2 adds Force Turning to optimize lathe turning, and mill-turn operations, when combined with Force Milling. Force Turning makes it easy for anyone to create NC programs for optimal cutting of inside/outside diameters, shoulders, as well as in corners and tight spaces- without the worry of encountering excessive cutting forces or high spindle power demands.

Advancements for Additive Manufacturing

VERICUT 8.2 adds even more realism to additive simulation, and detects many common error conditions programmers face when creating parts additively. Additive material can be applied "as programmed" via the additive path, or projected to the part surface for a more "natural" deposition behavior. With projection, material build rates vary based on changes in bead overlap, acute corner motions, and starting/stopping at the same location- all of which can cause unpredictable material buildup. Users can verify that laser focal distance stays within the tolerance range required for proper cladding, and that excessive material "overhang" conditions do not exist, which can lead to improper adherence. Warnings are given for non-conforming

additive conditions to help programmers determine when additive strategies are likely to fail, or when it may be beneficial to make a milling cut.

About CGTech

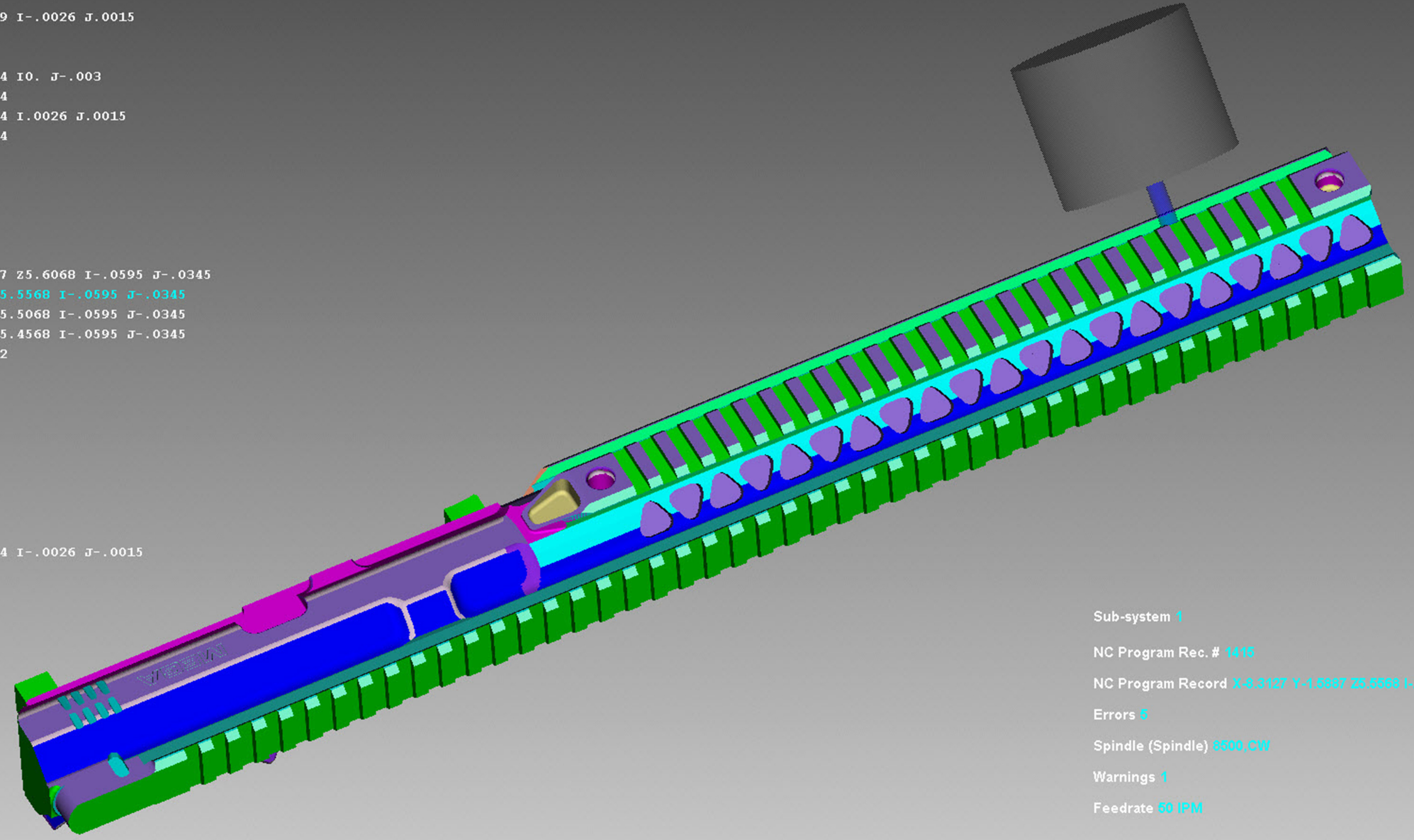
CGTech's VERICUT® software is the standard for CNC simulation, verification, optimization, analysis, and additive manufacturing. CGTech also offers programming and simulation software for composites automated fiber-placement, tape-laying, and drilling/fastening CNC machines. VERICUT software is used by companies of different sizes in all industries. Established in 1988, and headquartered in Irvine, California; CGTech has offices worldwide. For more information: visit the CGTech website at cgttech.com, call (949) 753-1050, or email info@cgttech.com.

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EDITOR'S NOTE: Electronic image attached – VERICUTUpper.jpg

2098.EIA

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G3 X-8.7735 Y-1.4799 I-.0026 J-.0015
G1 Y-1.4799
X-9.0108
G3 X-9.0134 Y-1.4844 I0. J-.003
G1 X-8.8947 Y-1.6904
G3 X-8.8895 Y-1.6904 I.0026 J.0015
G1 X-8.8302 Y-1.5874
X-8.841 Y-1.5812
G0 Z6.9959
X-8.3721 Y-1.6232
Z5.7568
G1 Z5.6568
X-8.3127 Y-1.5887
G3 X-8.3127 Y-1.5887 Z5.6068 I-.0595 J-.0345
X-8.3127 Y-1.5887 Z5.5568 I-.0595 J-.0345
X-8.3127 Y-1.5887 Z5.5068 I-.0595 J-.0345
X-8.3127 Y-1.5887 Z5.4568 I-.0595 J-.0345
G1 X-8.3721 Y-1.6232
X-8.3252 Y-1.5966
X-8.3118 Y-1.5888
X-8.3721 Y-1.4849
X-8.4928 Y-1.6927
X-8.2515
X-8.3118 Y-1.5888
X-8.3226 Y-1.5951
X-8.3092 Y-1.5873
X-8.3695 Y-1.4834
G3 X-8.3747 Y-1.4834 I-.0026 J-.0015
G1 X-8.3747
```



Sub-system 1

NC Program Rec. # 1415

NC Program Record X-8.3127 Y-1.5887 Z5.5568 I-.0595 J-.0345

Errors 5

Spindle (Spindle) 8500,CW

Warnings 1

Feedrate 50 IPM