CGTech Announces UK Launch of VERICUT Force

Hove, England – CGTech, the developer of VERICUT® CNC Simulation, Verification and Optimisation software, is set to officially launch its latest "physics-based" toolpath optimisation module, VERICUT Force™, in the UK with a series of nationwide seminars.

The Force Roadshow will be a series of half day seminars throughout June and July, kicking off at the Advanced Forming Research Centre, Scotland, on 14th June 2017. A further 3 seminars will take place at KYOCERA SGS Precision Tools, Wokingham (28th June), Nikken, Rotherham (4th July) and the Manufacturing Technology Centre, Coventry (6th July). For further information and to register please visit: www.cgtech.com/foreceroadshow.

The Force module is a physics-based optimisation method that determines the maximum reliable feed rate for a given cutting condition based on four factors: force on the cutter, spindle power, maximum chip thickness, and maximum allowable feed rate. It calculates ideal feed rates by analysing tool geometry and parameters, material properties of the stock and cutting tool, detailed cutting edge geometry, and VERICUT cut-by-cut contact conditions.

In this latest version, VERICUT 8.0.3, numerous enhancements have been added to Force, including new features for better control of entry/exit speeds, 'clean-up' feed rates, and tooling information has been re-arranged to be more intuitive. The updated Force module now receives input values directly from cloud-based tooling, and benefits from many new features that streamline optimisation setup. By micro analysing the cutting conditions encountered by an NC Program, Force ensures NC programs have optimal feed rates, and ideal chip thicknesses that do not exceed safe force or power limits.

Other new features include improved Charts display, which enables NC programmers and Mechanical Engineers to virtually "see" and evaluate force, chip thickness, volume removal rates, and more in NC programs before running on their CNC machine.

Force excels in difficult to machine materials, and especially complex multi-axis cuts such as 5-axis flank milling. CGTech Ltd. Managing Director, Tony Shrewsbury, comments "Force is based on the

basics, it is easy to set up and really easy to use." After materials have been characterised they can also be applied to a broad range of cutters and machines in other NC machining operation.

Initial users of this technology are already seeing productivity improvements of up to 50 percent. Each seminar will incorporate live software demonstrations and presentations to shine the spotlight on the features and benefits of Force. Tony Shrewsbury continues "With these seminars we really want to demonstrate exactly what Force can do and the benefits of using it, including reduced development time, shorter cycle times, less process variation, longer machine life and improved part quality. It can also prevent tool breakage due to deflection."

For further information and to register please visit: http://www.cgtech.co.uk/vericut-force-roadshow/

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Note to Editors

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. CGTech has an extensive network of offices and resellers throughout the world. For more information, visit the CGTech website at www.cgtech.co.uk, call +44 (0)1273 773538, or email info.uk@cgtech.com.