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CGTech Announces 3DLive™ GDML Interface for VERICUT® Software

CGTech has announced that its VERICUT software can now read in Geometry Description Markup Language (GDML) files with a new 3DLive Interface. GDML is an application independent geometry description format based on XML.

3DLive is available in MachiningCloud for products that require kinematics such as Machine Tools and Workholding devices. MachiningCloud has traditionally been known for the ability to provide 3D models of cutting tools for use in VERICUT and other related CAD/CAM and simulation software. DMG MORI, HAAS Automation, Mazak, Kennametal and KURT Workholding are among the first to supply GDML machine tool, driven turret units and fixture models to MachiningCloud.

VERICUT is the first software of its kind to support the import of 3DLive files for use in verifying, simulating and optimizing NC programs. This enhancement provides VERICUT users the ability to read in 3DLive data for CNC machines, workholding fixtures and cutting tool holders for use in simulations. This eliminates having to measure and model the components by traditional means or request 3D models from the machine tool builder.

"What has traditionally been a challenging and time-consuming procedure to obtain machine specific information and manually build digital twin machines, can now be done quickly and easily in VERICUT using the new 3DLive interface to read information-rich geometry data," says Gene Granata, VERICUT Product Manager.

The 3DLive catalog in MachiningCloud currently contains over 8,700 products. 3DLive files contain kinematics, travel limits, minimum and maximum feed rates, initial machine location and 3D geometry colors in a single file format. This data can be read into VERICUT in a matter of seconds. 3DLive fixtures can be utilized to exactly represent the workholding setup in a VERICUT simulation. These fixture models sometimes contain axis movement (I.e. vise models that open/close). Additionally, 3DLive tool assembly holders can be read into VERICUT's Tool Manager.

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Note to Editors

About CGTech

CGTech's VERICUT® software is the standard for CNC simulation, verification, optimisation, 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 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.

About MachiningCloud

MachiningCloud is dedicated to leading a digital shift within the discrete manufacturing industry to deliver a new level of operational efficiency. Cloud-based applications, resources, services, knowledge, and digital product data from the world's leading manufacturers of cutting tools, machine tools, workholding and specialty products are providing efficiency improvements by facilitating the flow of data to and from today's data intensive shop-floor. For more information: visit www.machiningcloud.com.

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