

MOORPARK, California, October 4, 2013 /PRNewswire/ --

Cimatron Limited (NASDAQ: [CIMT](#)), a leading provider of integrated CAD/CAM software solutions for the toolmaking and manufacturing industries, today announced availability of two new options for its [GibbsCAM](#)® software specifically developed to simplify the 5-axis programming required to make turbomachinery parts. The new options have user interfaces that are optimized for fast selection of geometry and toolpath parameters to program machining of impellers, blisks (bladed disks) and blings (bladed rings). These bladed parts, which are used in compressing gas and liquids, or transporting them under pressurized flow, are common components in the aerospace, automotive and power generation industries.

Each of the two new software options targets different levels of specialization and part complexity in bladed-part manufacturing. While 5-Axis MultiBlade Level 1 is designed for parts of simpler to moderate complexity, 5-Axis MultiBlade Level 2 increases the selectable toolpath options to accommodate the most complex bladed parts, which may have multiple smaller blades (known as splitters and sub-splitters) between the main blades. The GibbsCAM 5-Axis MultiBlade options operate within the GibbsCAM 5-Axis software, accommodate both 5-axis machining centers and multi-task machines, and are available immediately.

Features of GibbsCAM 5-Axis MultiBlade Level 1

When added to GibbsCAM 5-Axis, MultiBlade Level 1 simplifies programming and machining of blisks, blings and impellers having single splitters or no splitters. Toolpath strategies include 5-axis simultaneous roughing, hub finishing, and blade and splitter finishing, with automatic gouge checking on all toolpaths. The interface includes options for leading- and trailing-edge extension and control, plus intelligent controls for rotating toolpaths around the part.

- Roughing between blades with splitter support
- Blade, splitter and hub finishing
- Leading- and trailing-edge extension and control
- Tool axis tilt controls
- Toolpath axis rotations
- Automatic axis detection
- Automatic and user definable links and clearances

Incremental Features of GibbsCAM 5-Axis MultiBlade Level 2

When added to Level 1, MultiBlade Level 2 provides incremental capabilities to simplify programming and machining of parts that have multiple splitters and/or sub-splitters. It adds a fillet machining strategy and provides additional control for all toolpath strategies.

- Blade fillet finishing
- Tool axis smoothing
- Splitter smoothing
- Multiple splitter support
- More control for tilt, leading & trailing edges, and all toolpath strategies
- Toolpath segment sorting
- Stock definition for rest machining

In addition to simplifying and speeding up the programming process, the GibbsCAM 5-Axis MultiBlade options generate cleaner, more efficient toolpaths for faster machining, better surface finish, and higher quality parts.

About Gibbs and Associates and GibbsCAM

For over thirty years, Gibbs and Associates has been a leader in providing cutting edge CAD/CAM technology, while maintaining its signature ease-of-use and productivity. *Powerfully Simple*, *Simply Powerful*

is the guiding philosophy at Gibbs. Gibbs believes in empowering the NC programmer, machinist, and manufacturing engineer, not eliminating them. Gibbs' goal is to introduce manufacturers to new technologies and new ways of working that makes their machining easier and their businesses more profitable. To achieve this goal, Gibbs creates tools that are naturally intuitive, graphically interactive, extremely visual, associative, and just plain enjoyable to use. Gibbs provides a total quality solution with the service and support that successful customers require.

The current GibbsCAM product line supports 2- through 5-axis milling, turning, mill/turning, multi-task simultaneous machining and wire-EDM. GibbsCAM also provides fully integrated manufacturing modeling capabilities that include 2D, 2.5D, 3D wireframe, surface, and solid modeling. GibbsCAM is Compatible with Windows 7, Windows 8 and Certified for Windows Vista. GibbsCAM's data exchange capabilities are able to access the broadest range of native and industry standard CAD data formats. GibbsCAM is certified under the Autodesk Inventor Certified Program, is a Siemens Solution Partner Program-PLM for Solid Edge product, is a Gold Tier Partner within the PTC Partner Advantage Program and is a SolidWorks Certified CAM Product. GibbsCAM is either offered or endorsed by a number of leading worldwide control and machine tool manufacturers, including GE Fanuc, Infimatic, Siemens, Doosan Infracore, DMG / MORI SEIKI, Haas, Index, MAG, Mazak, Mitsubishi, Okuma and Tornos. Gibbs and Associates distributes its products worldwide through a network of international Resellers.

In January 2008, Gibbs and Associates merged with Cimatron Ltd., and is now operating as a wholly owned subsidiary. For more information about Gibbs and Associates and its CAM software packages, visit <http://www.GibbsCAM.com> or call 1-800-654-9399 (outside of North America, call +1-805-523-0004).

About Cimatron

With over 30 years of experience and more than 40,000 installations worldwide, Cimatron Ltd., or Cimatron, is a leading provider of integrated, CAD/CAM software solutions for mold, tool and

GibbsCAM Simplifies Machining of Turbomachinery Components

Written by Australian Business

die makers as well as manufacturers of discrete parts. Cimatron is committed to providing comprehensive, cost-effective solutions that streamline manufacturing cycles, enable collaboration with outside vendors, and ultimately shorten product delivery time.

The Cimatron product line includes the CimatronE and GibbsCAM brands with solutions for [mold design](#)

, [die design](#)

, [electrodes design](#)

, [2.5 to 5 axes milling](#)

, [wire EDM](#)

, [turn](#)

, [mill-turn](#)

, [rotary milling](#)

, [multi-task machining](#)

, and

[tombstone machining](#)

. Cimatron's subsidiaries and extensive distribution network serve and support customers in the automotive, aerospace, medical, consumer plastics, electronics, and other industries in over 40 countries worldwide.

Cimatron's shares are publicly traded on the NASDAQ under the symbol CMT. For more information, visit <http://www.cimatron.com>.

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This press release includes forward looking statements, within the meaning of the Private Securities Litigation Reform Act of 1995

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, " "expect

, " "intend

, " "plan

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, global economic and political conditions

, marketing demand for Gibbs and Associates or Cimatron products and services

, long sales cycles

, new product development

, assimilating future acquisitions

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maintaining relationships with customers and partners

,
and increased competition. For more details about the risks and uncertainties related to Cimatron's business

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