

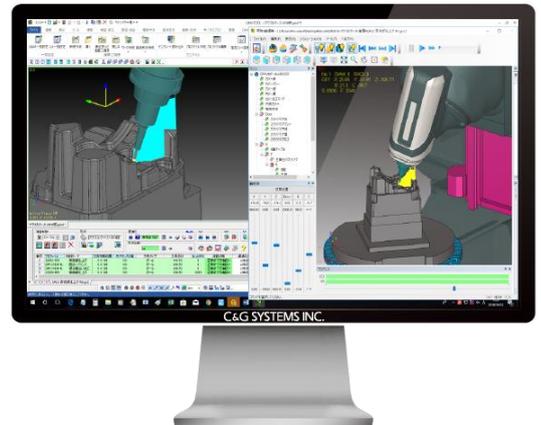
To The Press

C&G SYSTEMS INC.

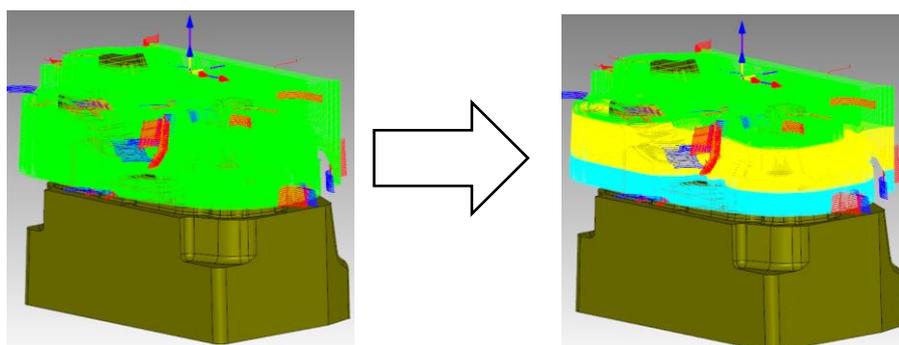
## Promote Standardization by Improving Operability of Process Design

In April, our company (President: Seiichi Shiota) will release “V18.1”, the new version of CAM-TOOL which is the CAD/CAM system corresponded to 5-axis machining centers for molds & dies.

In this version, we have improved the ability to identify a subject process quickly by synchronizing “Tree” (the list of series of operations of various process setting data (profile) in CAM) with the profile selecting operation on “Calculation Process list” which shows each profile’s calculation process in tables. Also, because a selected profile can be easily imported as a template, the standardization of the machining process will be greatly promoted. Moreover, the splitting of tool path data (CL splitting) that used to be done after the CAM process can now be automatically done on “Calculation Process List”. This enables the reduction of workload of operators such as CL splitting by tool life estimated by distance and time of machining, and realizes a process design of higher reproducibility.



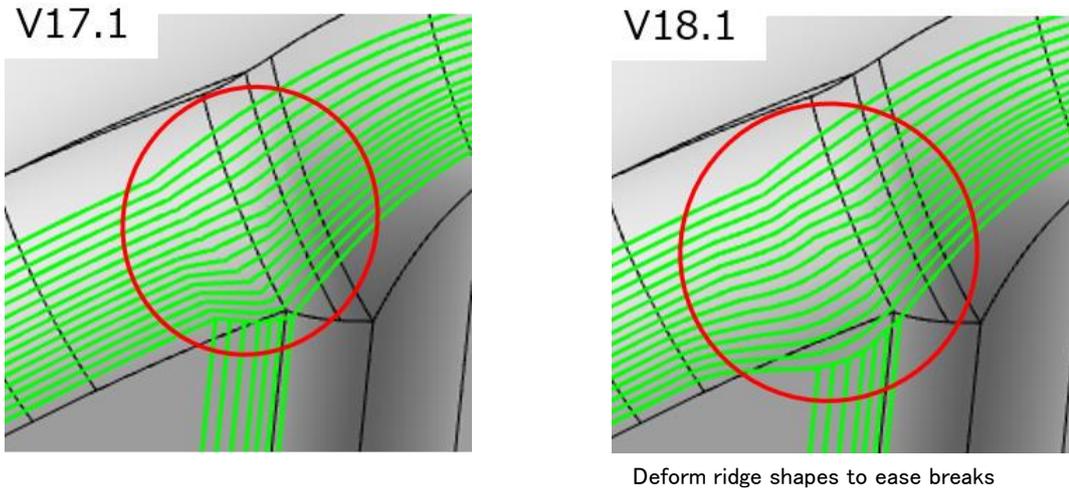
番号	プロファイル	切削モード	工具初期位置	クリアランスZ	刃先タイプ	工具形状	有効長	仕上	仕	演算状態	最適化状態	チェックエラー	NC
1	A1	複刃荒取り	0 0 50	50	複合ラジアス	Φ 50 R3	30	0.2	-	正常終了	o)正常終了	-	-
2	A1-001	複刃荒取り	0 0 50	50	複合ラジアス	Φ 50 R3	30	0.2	-	正常終了	Ds)正常終了	-	-
3	A1-002	複刃荒取り	0 0 50	50	複合ラジアス	Φ 50 R3	30	0.2	-	正常終了	Ds)正常終了	-	-



Automatic CL Splitting by Calculation Process Tree

**Improved Corner Machining**

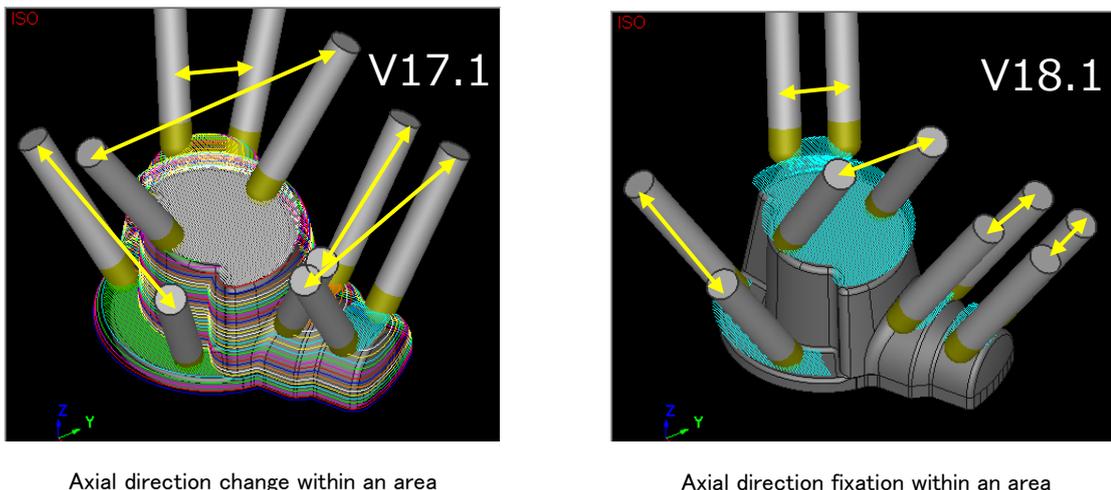
The arithmetic processing has been added to smoothly connect path breaks and distortions that appear when the opening angles of two adjacent ridge shapes are different. This enables the improvement of machining surface quality and greatly reduces polishing workload in post processing.



Also, as well as by conventional ball tools, corner machining by taper tools with a ball shaped edge or barrel tools is now possible.

**Improved 5-axis Conversion Auto**

Using the automatic conversion function of simultaneous 5-axis data (5-axis Conversion Auto), inclined surfaces are fixed against pivots in flat area machining to stabilize 5-axis machining, and this improves the quality of machining surfaces. “5-axis Conversion Auto” heightens machining precision by suppressing rapid interference avoidance operations and the number of pivots that move simultaneously to the minimum, and aims to secure high quality finished surfaces with simple operations.



Axial direction change within an area

Axial direction fixation within an area

### Newly Developed 57 Functions

57 other functions have been newly developed like reinforcement and improvement of operations, machining paths, and expansion of translator and modeling functions.

\* \* \*

[ Product Prices ] (All prices below are in Japanese Yen.)

- CAM-TOOL 3-axis package : ¥ 5,200,000 -
- CAM-TOOL 5-axis package : ¥ 6,400,000

\*Taxes and the maintenance fees are excluded.

\*The price depends on the module configuration.

[Company Information]

- Foundation : July 2, 2007 (\*1)
- Capital : ¥500,000,000-
- Description of Business : Development/Sales/Support of CAD/CAM System for Mold & Die, and Production Management Systems

(\*1) Our company is a CAD/CAM solution developer founded in 2010 as the result of a business integration and merger with Computer Engineering (founded in 1978) and Graphic Products (founded in 1981).

Note: All company and product names in this release are trademarks or registered trademarks of their respective companies.

### Questions and Inquiries

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