

To The Press

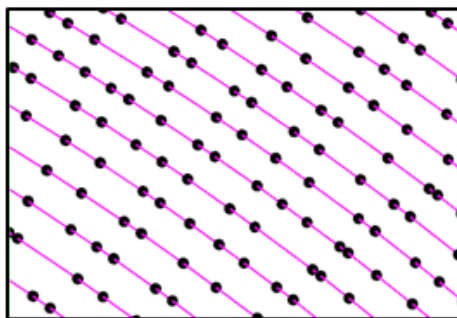
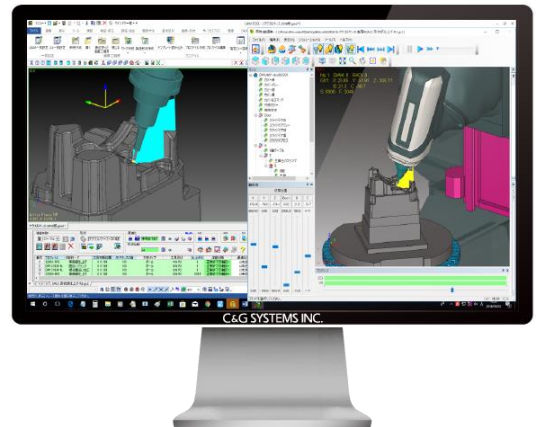
C&G SYSTEMS INC.

Component Point Rearrangement reduces workloads in large-sized Molds & Dies.

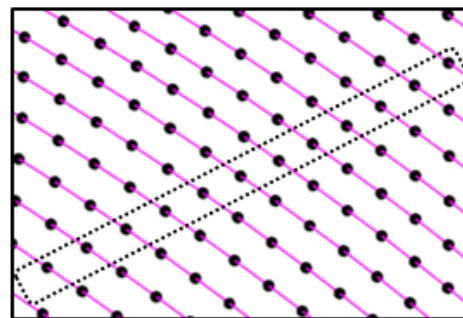
In April, our company (President: Seiichi Shiota) will release “V17.1”, the new version (Hereafter “this version”) of CAM-TOOL which is the CAD/CAM system corresponded to 5-axis machining center for molds & dies.

In this version, we have added a function to rearrange the component points (the liner-interpolated straight end points of tool paths).

Because it suppresses the acceleration and deceleration on machining, it improves the surface quality. It greatly reduces the workload of polishing required to prevent the transference of cutting traces to products like large outer die of car bodies.



Before



After

Optimized Stock Calculation

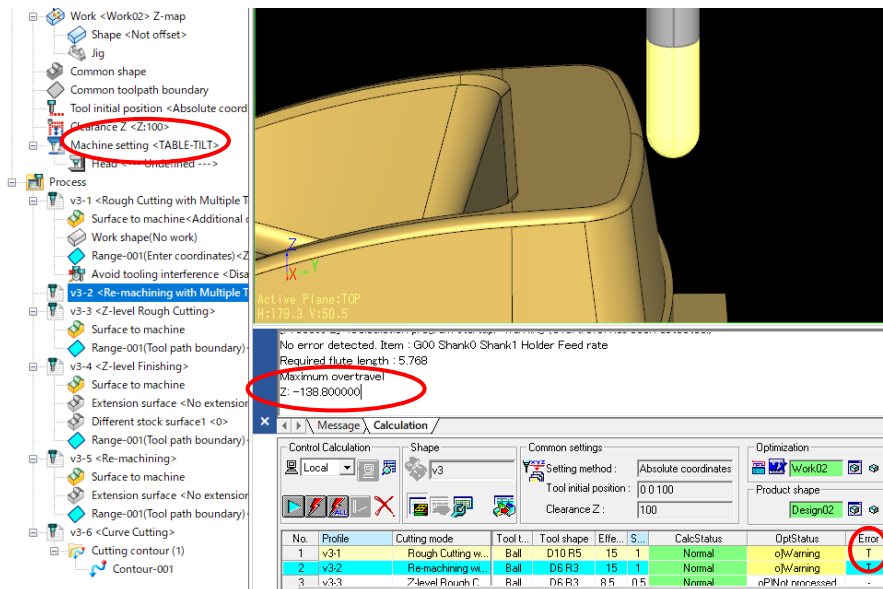
It is now possible to adjust mesh width of stock model in every processes. This shortens calculation time and condenses volume of data by fitting the precision of stocks in each process.

No.	Profile	Cutting mode	Tool initial po...	Clearance Z	ment	Mesh width	Cutting dist..
1	v3-1	Rough Cutting w...	0 0 100	50		* 0.3	2040!
2	v3-2	Re-machining wi...	0 0 100	50		0.3	4649:
3	v3-3	Z-level Rough C...	0 0 100	50		* 0.1	736'
4	v3-4	Z-level Finishing	0 0 100	50		* 0.05	1735'
5	v3-5	Re-machining	0 0 100	50		0.05	349:

Mesh Width on Calculation Process List

Newly Added Over-travel Check

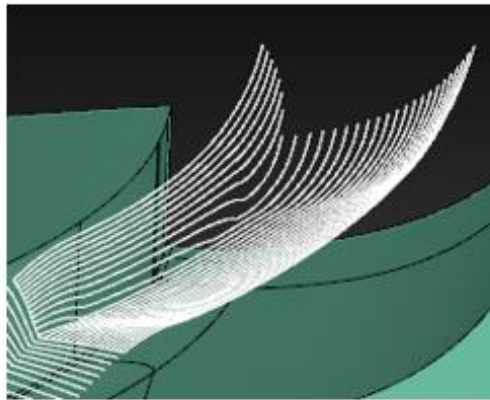
A setting related to machine configurations has been newly added in “Calculation Process Tree” and it enables the detection of over-travel (the motions beyond operation areas of XYZ and tilting axes) at the time of calculation. This makes it possible to detect over-travel quickly and lessens the operator loads required to identify error points and others.



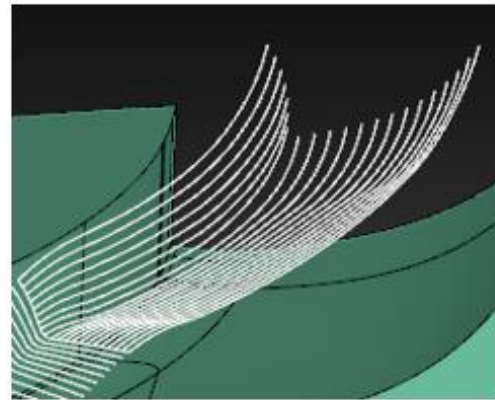
Display of Over-travel

Improved Re-machining

The logic to control variations in the pitch of ridge direction paths such as the transfer sections of a wall and a base has been incorporated. This improves the machining quality and efficiency at corners.



Conventional Version



New Version

Support PT Tap Machining

This version supports PT (taper threads) tap machining performed by “Canned Cycle” and “Helical Cutting”. This makes it easy to thread of taper pipe whose demand has been increasing in uses of water pipes and others.

Newly Developed 46 Functions

46 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).

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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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