

Jan 10, 2023

To The Press

C&G SYSTEMS INC.

Precision Machining of $\pm 2\mu\text{m}$ Achieved in Plate Processing

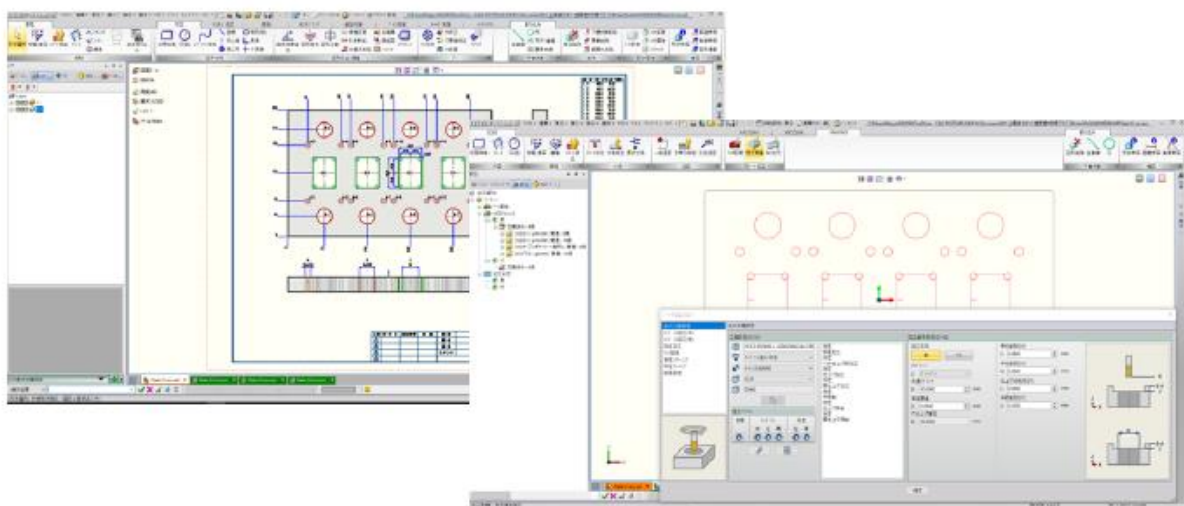
~ Finishing process was automated from rough milling to grinding ~

In February, our company (President: Seiichi Shiota) will release "Ver8.1" the new version of EXCESS-HYBRID II, the 2D/3D hybrid type CAD/CAM system for molds & dies.

In cooperation with Makino Milling Machine Co., Ltd., (hereinafter, referred to as MAKINO) our company plans to equip "ZeroBorer Interface" in Ver8.1 of EXCESS-HYBRID II as an option. This "ZeroBorer Interface" is a dedicated application for "SMART TOOL ZeroBorer" that is built into the controller of V56i and V33i machining centers made by MAKINO (Hereinafter described as Makino's MCs).

- "SMART TOOL ZeroBorer" is a high precision machining function that has achieved the targeted precision by repeating "milling, grinding, and probing" of on the machine and automated plate processing. Progressive die plates have been fulfilling required precision with expert engineers repeating jig grinder machining and manual probing so far; however, "SMART TOOL ZeroBorer" can automatically complete the whole process from the rough milling of end mill to the finishing of grinding by using automatic probing and rework function. This leads to a significant decrease in lead time.

Furthermore, "ZeroBorer Interface" is equipped with optimal values for milling, grinding and probing methods which were experienced in MAKINO as recommended parameters. Machining program creation, previously done on the MC's interactive screen, can now be handled quickly and accurately in the CAD/CAM operation process, thus plate machining efficiency and operational availability of Makino's MCs have been dramatically enhanced.



ZeroBorer Interface

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Newly Equipped QR-code Function

New version of EXCESS-HYBRID II is able to paste a QR code on a drawing using the general note command. Each attribute of the process control system can be recognized quickly and accurately by generating a QR code for model number, drawing number or part attribute. Also, it enable us to confirm the information of QR codes assigned on a CAD drawing easily at the tooltip, the footnote shown by mousing-over.

工程	年 月 日	通知番号
△	2022.11.20	12
△	2022.12.16	18
QRコード 文字列		
図番 : HYBRID II Ver6.1.1.1		
図名 : HYBRID II Ver6.1.1.1 QRコード		
部名 : タバコ・タバコ・タバコ		
部番 : P021		
材料 : SKD61		
価格 : 1		

Equipped with 35 New Functions

This version has been additionally equipped with 35 new overall functions within modules such as molding options, surface-modeling and CAM.

* * *

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

¥600,000 - Minimum Module Configuration

¥500,000 - ZeroBorer Interface *Optional module of CAM

*Taxes and the maintenance fees are excluded.

*Prices are depending 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.

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Questions and Inquiries

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