



For Immediate Release
December 2022

Contact: Michelle Nemeth
Phone: (860) 875-5006
Fax: (860) 872-1565
Michellen@mastercam.com

New Partnership Provides G-Code Simulation Within Mastercam

Simulate the entire machining process with the click of a button

December 8, 2022 (Tolland, Conn.) – CNC Software, LLC, developers of Mastercam, the world's leading CAD/CAM software, has partnered with CAMWERK to provide customers with the unique and easy to use fully-integrated machine solution called NC2Check.

Mastercam developers worked closely with CAMWERK to build a solution for G-code simulation within Mastercam. The integration gives Mastercam customers a solution for avoiding machine damage, downtimes, failures, and makes their production and programming even more efficient and error-free.

NC2Check precisely simulates the CNC machine and the entire process of machining. By verifying the NC code through NC2Check, users have an NC code-based virtual machine simulation of all movements. NC2Check helps users detect errors that lead to machine downtime, damage to the workpiece, or even expensive collisions on CNC machines before the real machining even begins.

"We are excited to partner with CAMWERK on a complete mapping of the entire machine tool and simulation of NC programs based on G-code and make it available to over 300,000 users," said Stas Mylek, Partnership Program Manager, CNC Software, LLC. "The collaborative effort between both companies provides Mastercam users complete machine simulation for detecting issues such as travel limits or potential workpiece collisions before machining takes place," Mylek continued.

NC2Check is an add-on to Mastercam that installs as a single button on the ribbon bar interface. The single button allows users to launch NC2Check to provide full simulation and G-code verification from within the Mastercam session.

Bircan Öztürk, Director for CAMWERK says, “With NC2Check, you can see collisions and errors directly on your PC and run on your machines completely virtually. We do not offer G-code simulation in the classic definition, we offer our customers the freedom to create ideas and creatively use ideas elsewhere in the company instead of looking for errors in the NC program, and to run in every single part on the CNC machine. It is a small tool, but its effect in production makes it a real-time miracle for everyone.”

For more information on Mastercam, please visit www.mastercam.com.

For more information on CAMWERK, please visit <http://www.nc2check.de/en/home-english/>.

#

About CNC Software

Founded in 1983, CNC Software, LLC is headquartered in Tolland, Connecticut, with corporate offices in China. The company develops Mastercam, a suite of CAD/CAM software created to reduce production time and expense with efficient machining strategies and advanced toolpath technologies like Accelerated Finishing™ and Dynamic Motion™. Mastercam is the world's #1 CAM software, with more than 300,000 installations in industries such as moldmaking, automotive, medical, aerospace, consumer products, education, and prototyping. It is distributed through an international channel of authorized Mastercam Resellers in 75 countries, providing localized sales, training, and support for 2- through 5-axis routing, milling, and turning; 2- and 4-axis wire EDM; 2D and 3D design; surface and solid modeling; artistic relief cutting; and Swiss machining. For more information, visit www.mastercam.com.

About CAMWERK

Founded in 2015, CAMWERK GmbH has developed and constantly enhances NC2Check, the real G Code simulation and Tools4Tools for Tool data interfacing and management. CAMWERK offers the only solution for g code simulation with an integrated full tool data management. With licenses all over the world, the CAMWERK team supports its customers in the digitalization of their production, increasing efficiency and avoiding collisions with more than 30 years' experience. The company CAMWERK GmbH supplies customers in the fields of mold making, mechanical engineering, vehicle construction, prototyping, precision engineering and many more. In recent years, CAMWERK has been particularly involved in aerospace technology, complex 5-axis and 6-axis machining and on top of g code verification has developed specialized solutions for this. CAMWERK, where innovative ideas are welcome and free thinking knows no boundaries!