



NCSIMUL 2022.1

NCSIMUL 2022.1 RELEASE

NCSIMUL 2022.1 IS AVAILABLE TO DOWNLOAD NOW. VISIT THE CUSTOMER PORTAL TO UPDATE YOUR SOFTWARE AND BENEFIT FROM THE LATEST NEW FEATURES INCLUDING:

- **CNC BRUSHING VERIFICATION:** NCSIMUL 2022.1 comes with a new type of tool added to the cutting tool library: the CNC brushing tools. Brushes or deburring tools can be created in any shape or form and defined as a brushing tool for verification. The brushing operation will colour a layer of material, allowing programmers to verify if all surfaces have been covered properly.
- **New part setup mating axis systems and 3D live import:** NCSIMUL 2022.1 is now capable of opening the 3DLive file format, also called GDML, for creating a certification part setup on the machine table, faster than ever. A new type of coordinate system – the mating axis system – is also now available for speeding up complex part setup assemblies, acting as an anchor to add parts or sub-assemblies to a main setup in one click.
- **Multi-part machining for WORKNC (powered by NCSIMUL):** Developed on the NCSIMUL 4CAM technology, multi-part machining can certify multiple WORKNC workzones in a single process. After importing the workzone to a pre-located mating system, in the virtual machine and the cutting tool library in the machine tool magazine, NCSIMUL creates the safest and shortest interlink toolpath between parts.
- **NCSIMUL CAM interface configurator:** The machine digital twins are hosting a new NCSini editor, allowing a cutting tool configuration for each CAM direct interface. Once the configuration is set for a specific machine and a specific CAM interface, the cutting tools transferred from the CAM are loaded with the proper orientations and compensation, in the correct tool rack and for a given channel. CAM interfaces are benefiting from this new automation, allowing a seamless cutting tool library integration.
- **CNC digital twin panels and improved ACNU functions:** The CNC machine digital twin panels are available for new machine configurations in the turning, milling and mill-turn space. It is a real benefit for virtual machine application engineers in speeding up a customer machine calibration and avoiding lengthy custom macros specification in the CNU file.
- **AND MANY MORE...**

DOCUMENTATION

- **Key visual**
- **Feature Chart**
- **What's New Document**
- **What's New Videos**
- **What's New Images**
- **Technical briefing presentation**

We hope that you enjoy using NCSIMUL 2022.1 and its new features. If you have any further queries on this subject, please contact Amol Mane, Product Marketing Director - Production Software or your local reseller manager.

Thank you for your continued support of NCSIMUL.
Best regards,

The Manufacturing Intelligence Team