# Intuitive CAM Software Running inside of 3D Modeller Features Cinematic Simulation and Postprocessing

Its experience in developing software for mould makers and manufacturers has enabled **CIMsystem S.r.l.** to concentrate on offering customers tailor-made services and ad hoc solutions to solve specific issues. The company has just developed **Rhino-NC CAM software** to answer increasing market demand for flexibility, speed, and performance. The product is a complete 2- to 5-axis CAM system for CNC machines and robots that runs inside the NURBS 3D modeller Rhinoceros. Easy to learn and use, this version of Rhino-NC helps tool and mould makers manage machining based on curves, surfaces, or solids.

The new software's graphical interface is based on wizards, making input of parameters to control each strategy simple and intuitive. A dynamic help function varies the images displayed according to the parameter selected.
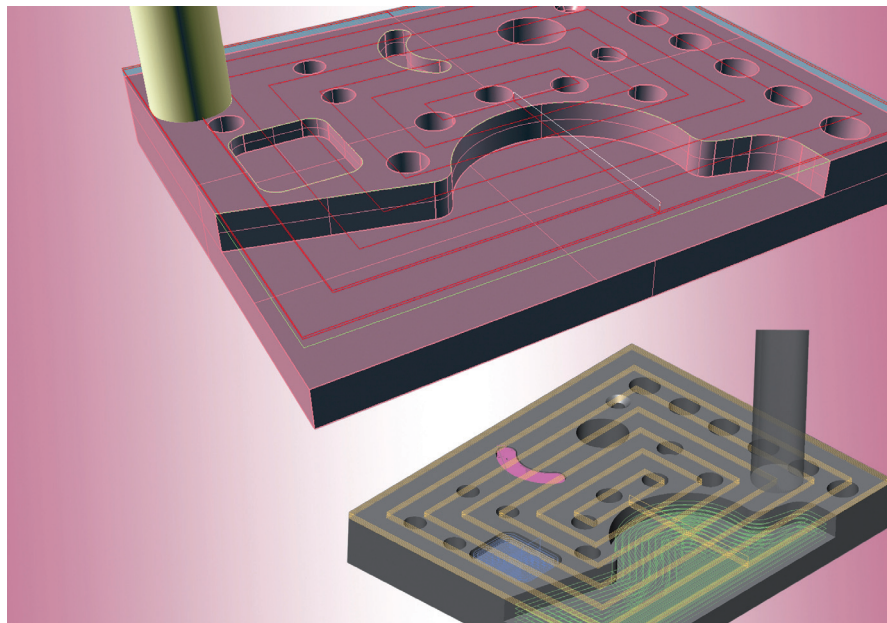
The software comes complete with libraries—Tools, Materials, and Machines Archive—that the user can easily update and customize. An innovative machining tree strategy makes it possible for the user to create an array of machining programmes, modify them, and copy or rearrange the sequence of processing.

All Rhino-NC system modules include cinematic simulation and postprocessing. The generated tool path can be simulated inside Rhinoceros using cinematic simulation with full collision detection. The simulation
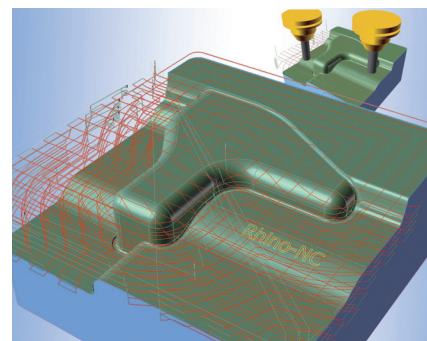
considers the upload of the full CNC, of the equipment, and of the workpiece. This allows production-ready tool paths to be created without risk of wrong positioning. Once the operator has set up the CNC cinematic, management of multiaxis postprocessing is simple. The machine tool output file is managed through fully user-definable postprocessors.

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