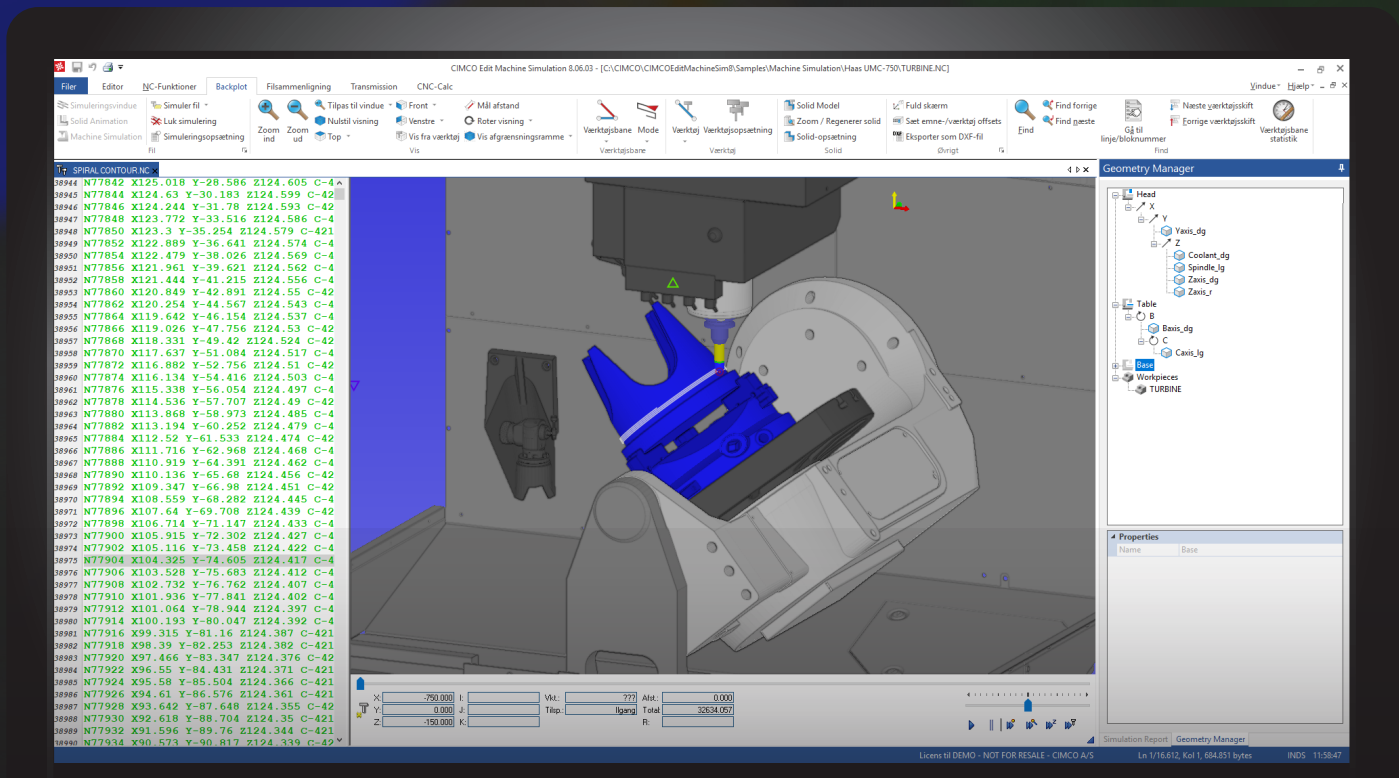




## CNC MACHINE SIMULATION & TOOLPATH VERIFICATION

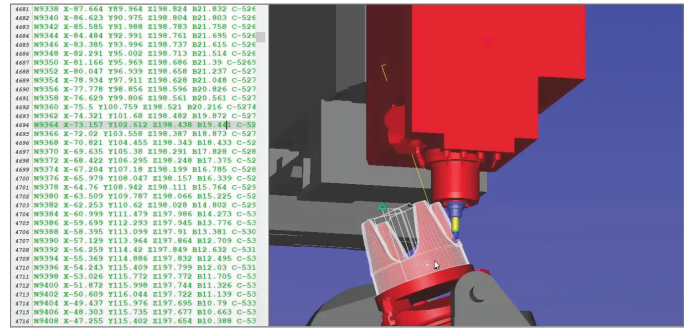
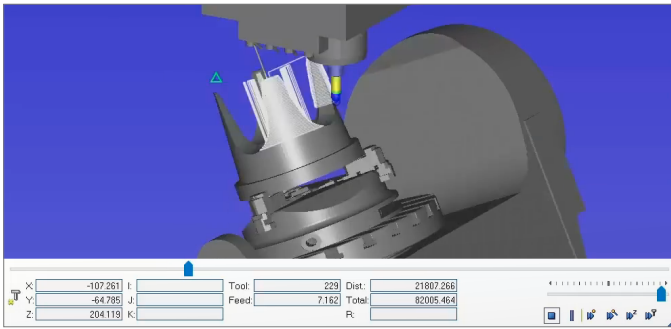


### ELIMINATE COSTLY PROGRAMMING MISTAKES

CIMCO Machine Simulation helps eliminate costly programming mistakes and accelerates onsite startup by providing an affordable and user-friendly solution for CNC machine simulation.

Machine Simulation enables you to prove-out your NC code on a 3D model of your CNC machine and see the exact movement of components such as heads, rotary tables, spindles, tool changers, fixtures, workpieces, and even peripheral devices. Collisions and over-travel errors are automatically detected to ensure that error-free code is sent to the physical machine.

- ELIMINATE COSTLY PROGRAMMING MISTAKES ✓
- INCREASE SHOP SAFETY ✓
- ACCELERATE ONSITE STARTUP ✓
- REDUCE DOWNTIME, SCRAP AND REWORK ✓
- FASTER ITERATIONS ✓
- FASTER SHIFTING OF JOBS BETWEEN MACHINES ✓
- TRAIN AT THE PC INSTEAD OF AT THE MACHINE ✓
- UTILIZE THE FUNCTIONALITY IN CIMCO EDIT ✓
- AFFORDABLE AND USER-FRIENDLY ✓

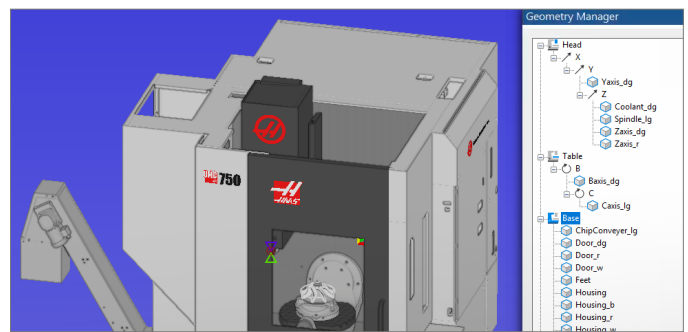
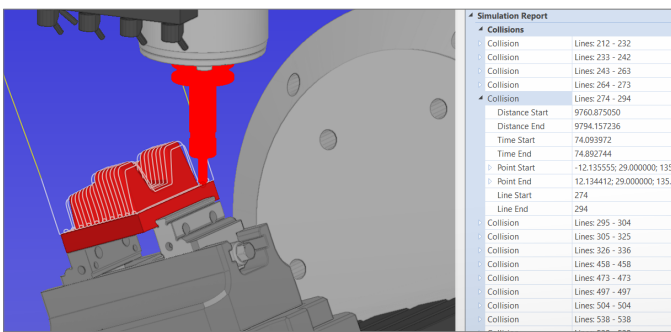


## FULL CONTROL OF THE SIMULATION

Analyze the simulation in dynamic 3D with video-style controls. Adjustable speed in both directions and options for jumping to next/previous tool, cutting pass or move. Zoom, pan and rotate to see exactly what is going on.

## VERIFICATION AND CLOSE INSPECTION

Side-by-side display of NC code and simulation. Code blocks are highlighted in synchronization with the simulation and errors are clearly visualized.



## ANALYSIS AND DEBUGGING

Detailed overview of all errors with auto-generated Simulation Report. Jump directly to the code block that is causing an error, modify your code and the Simulation Report is updated to verify if the problem was resolved.

## MACHINE DEFINITION

Machine definitions are visualized in a machine-tree where properties of components such as head, table, and workpiece can be viewed or visibility toggled. Support for 3, 4 and 5-axis milling machines are currently available.

## FULLY INTEGRATED WITH CIMCO EDIT

CIMCO Machine Simulation is developed as a fully integrated add-on for CIMCO Edit which enables you to access all the powerful functions in CIMCO Edit – the World's leading NC editor.

## FAST, NC-DEDICATED EDITOR

## GRAPHICAL BACKPLOTTER

## SAVE NC BACKPLOTS AS DXF FILES

## FASTER EDITING WITH NC-ASSISTANT

## CYCLE/MACRO SUPPORT

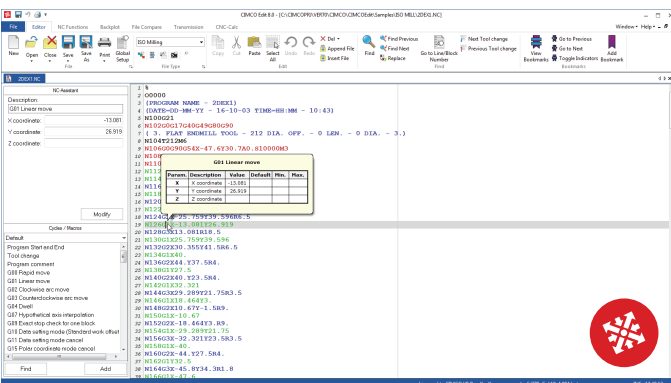
## SIDE-BY-SIDE FILE COMPARE

## DNC RS-232 COMMUNICATIONS

## BASIC 2D CAD/CAM

## DOCUMENT MANAGEMENT

## MAZATROL VIEWER



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