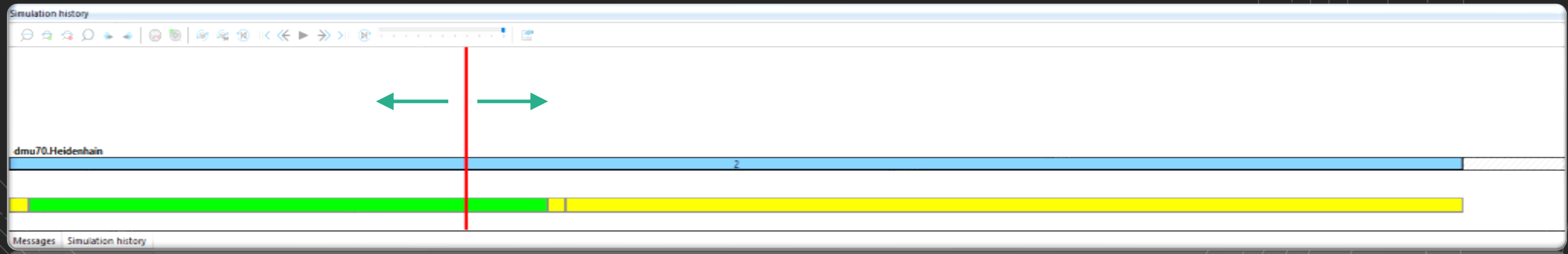
EUREKA 9 – What's New

INDEX

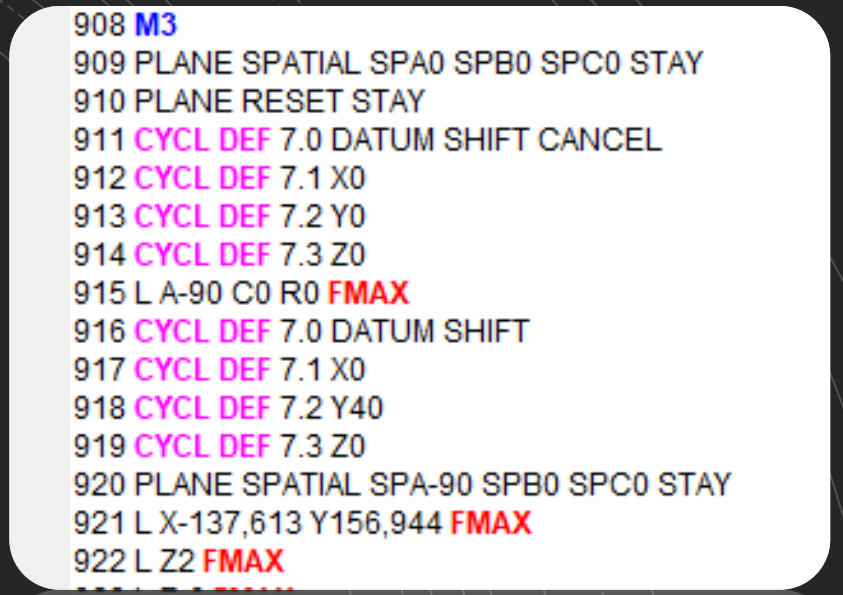
Eureka Internal Reviewer

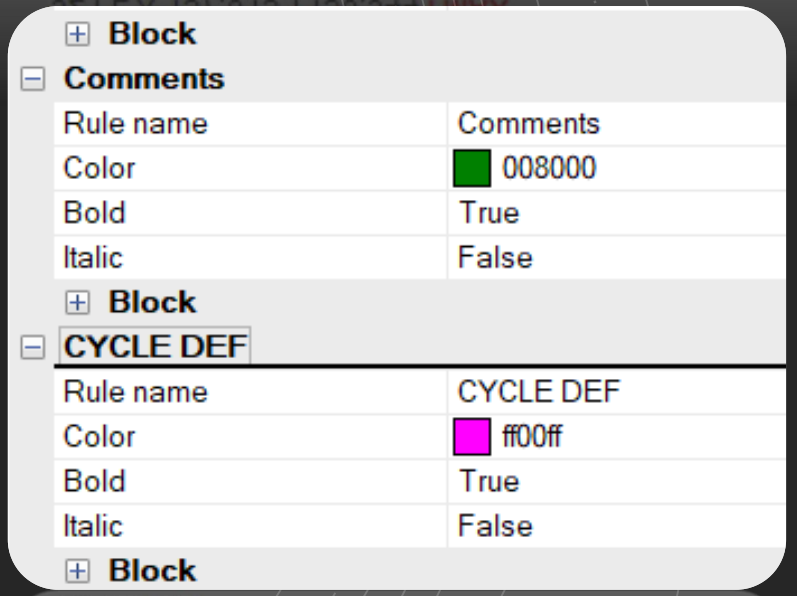
- Go forward/backward in the simulation updating the stock and reaching warnings/errors very fast
- Slider can be dragged to navigate in the simulation history



Editor with Colored Syntax

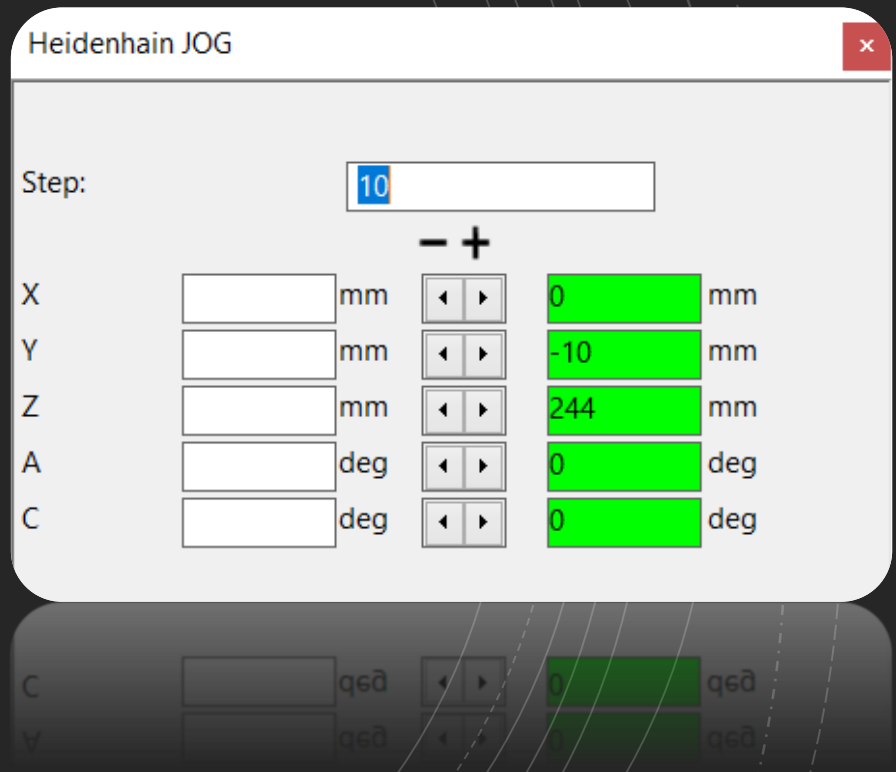
- Color your ISO and APT code to better understand the syntax
- Define color for each command
- Fully customizable

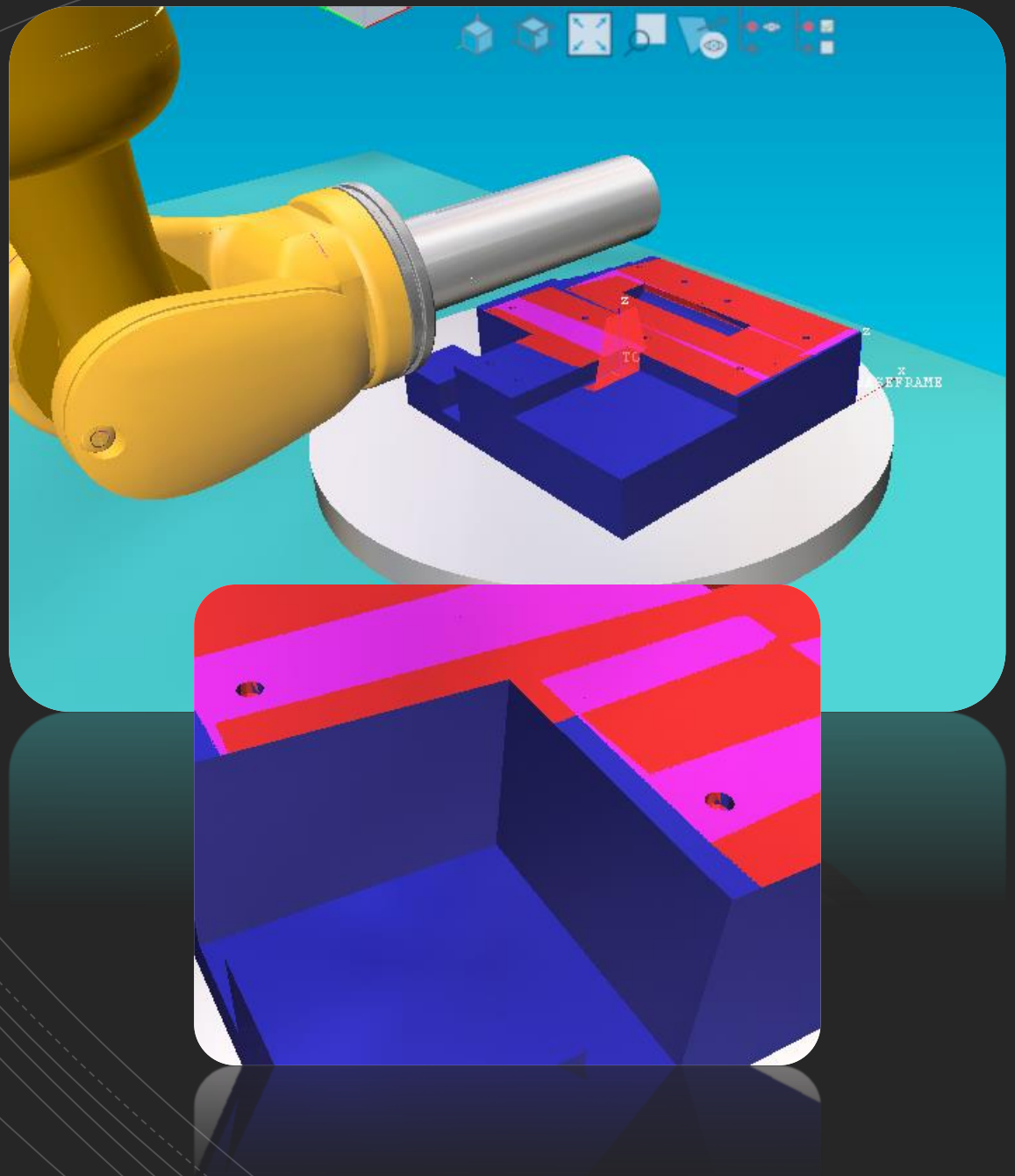




Enhanced JOG for CNC Simulation

- Powerful functions to manage the rotary axes (CNC machines)



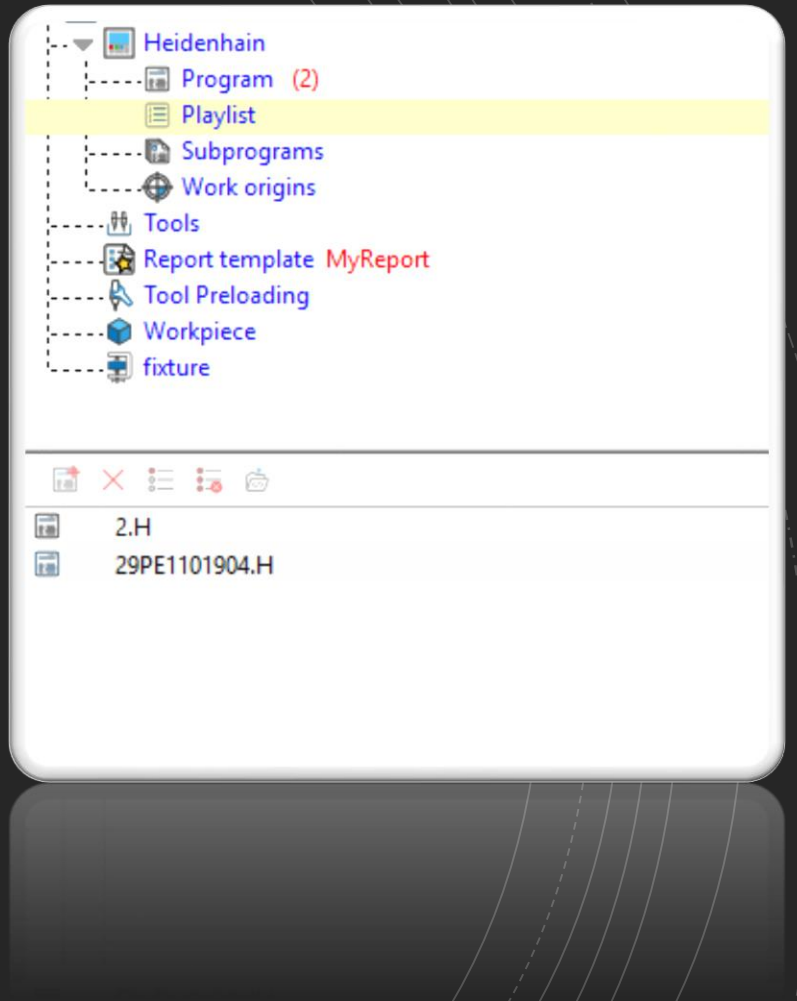


Laser Scan Module

- Simulate the scan process
- Configure the laser blade as the actual one
- Analyze the workpiece to detect shadowed areas
- Detect overlapped zones

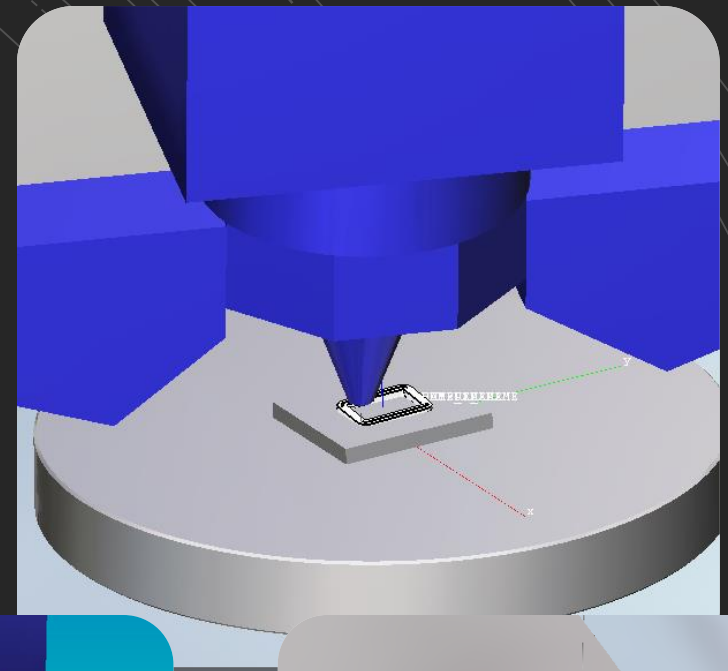
Playlist Module

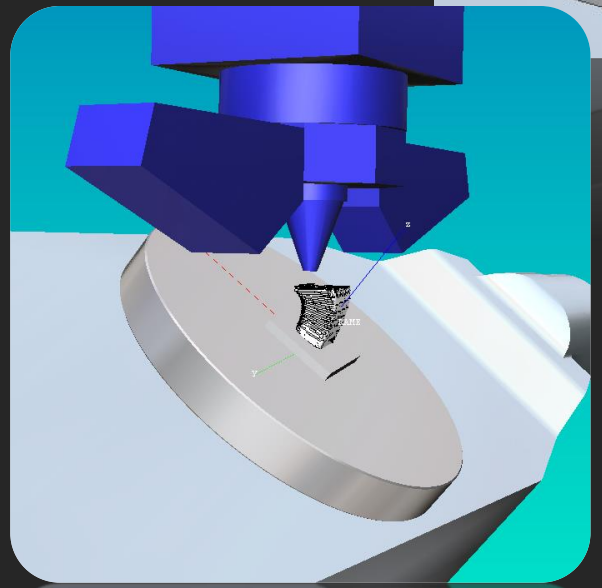
- Possibility to load more than one program
- Auto-functions at the end of the program
- Switch automatically to the next program

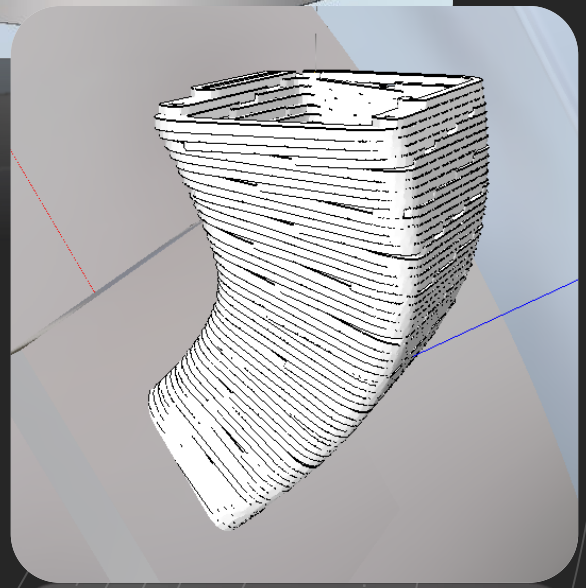


Enhanced Eureka Additive Module with 3+2 Strategy

- Use the 4th and 5th axis to optimize the slicing
- Define the slicing direction, inside the workpiece parameters
- Define one or more slicing directions
- All inside Eureka

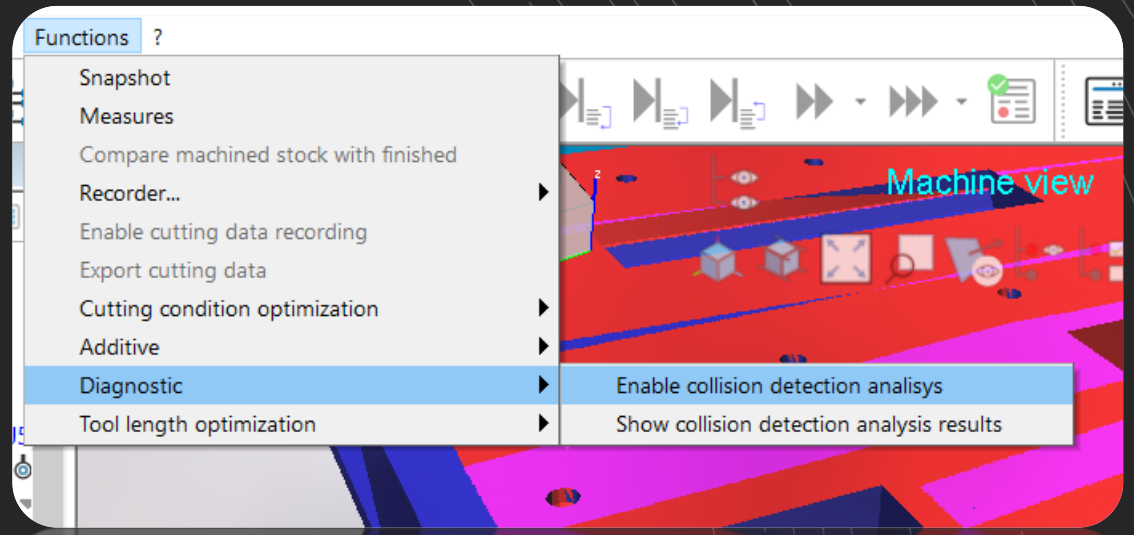


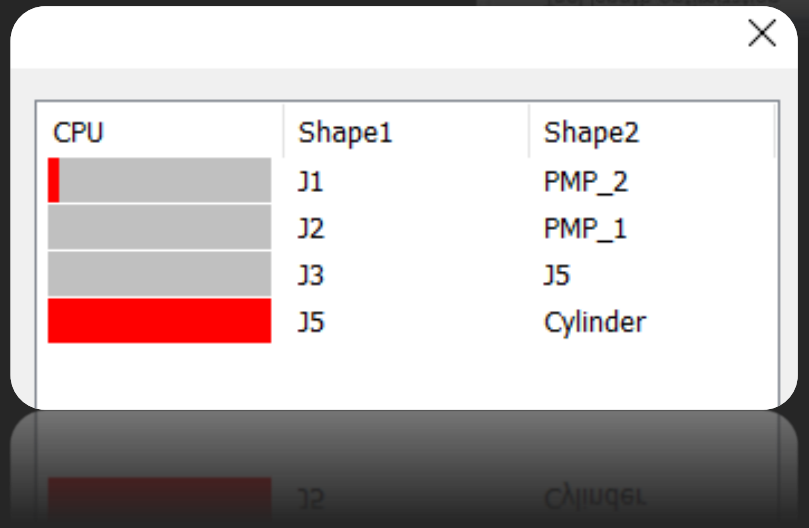




Collision Detection Diagnostic

- Identify which 3D models slow down the simulation in order to optimize performances

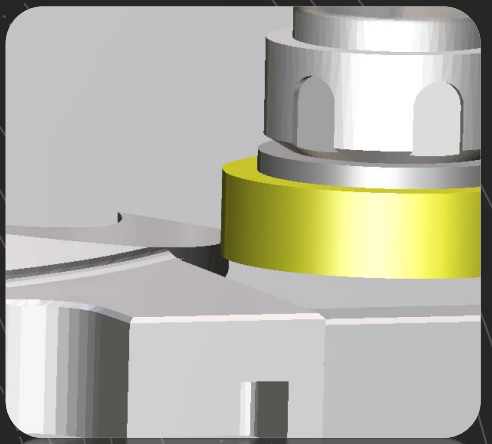


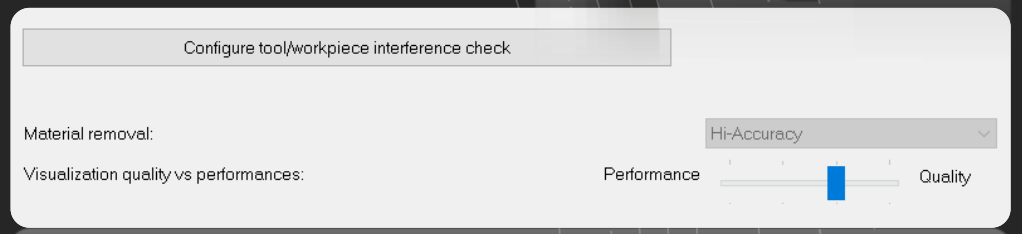


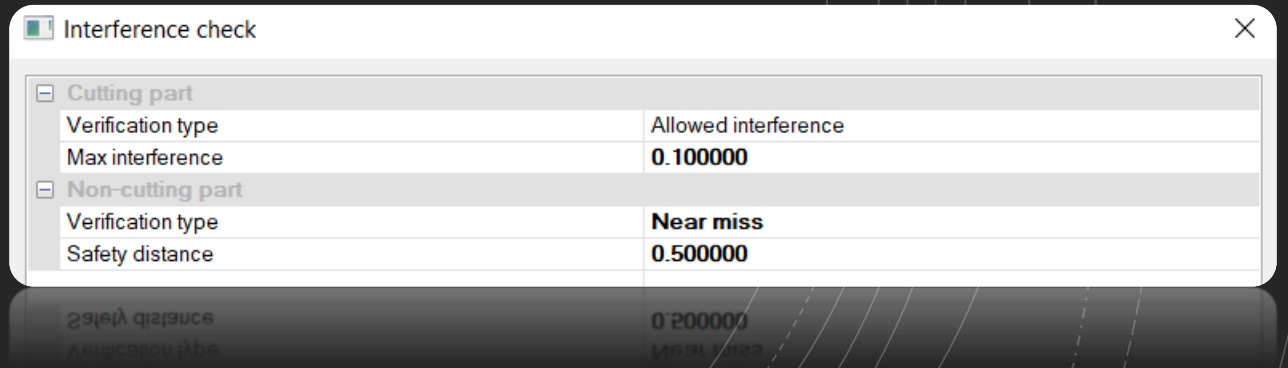
- Great influence on performances

New Tool Interference and Near Missing Management

- Define how much the tool is allowed to plunge inside the workpiece
  OR
  how close the tool can be to the workpiece before raising a warning
- Different parameters for the cutter and the finished part
  - Cutting part
  - Non-cutting part

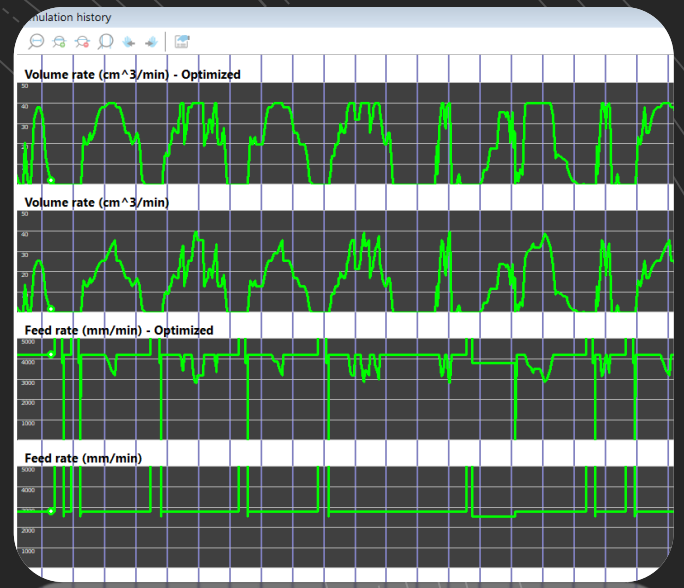


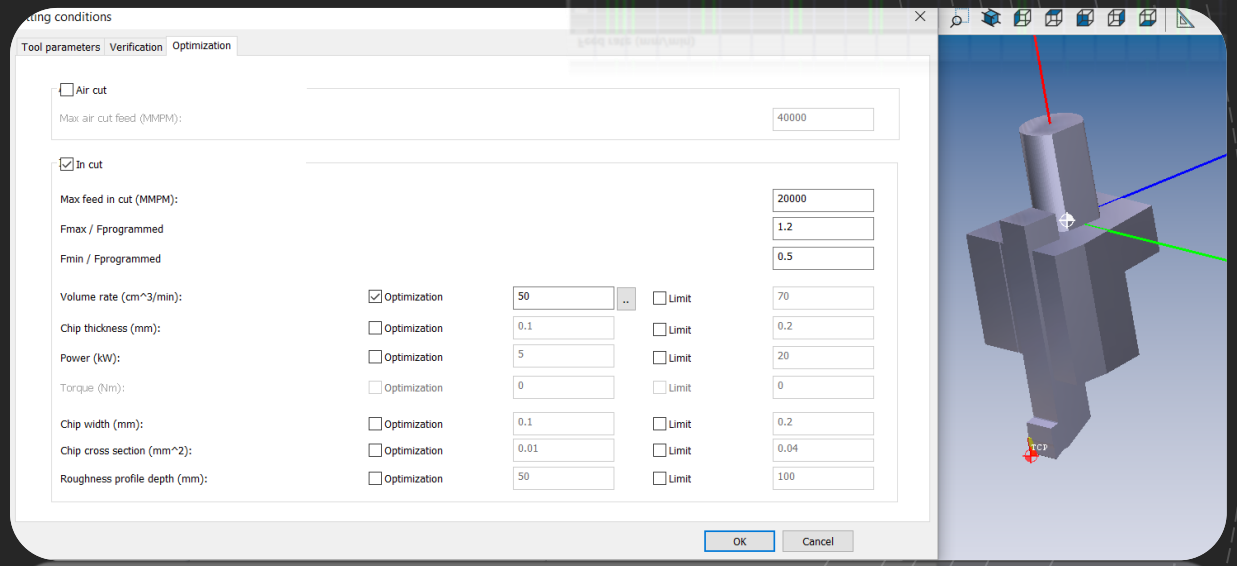




Cutting Conditions on Turning

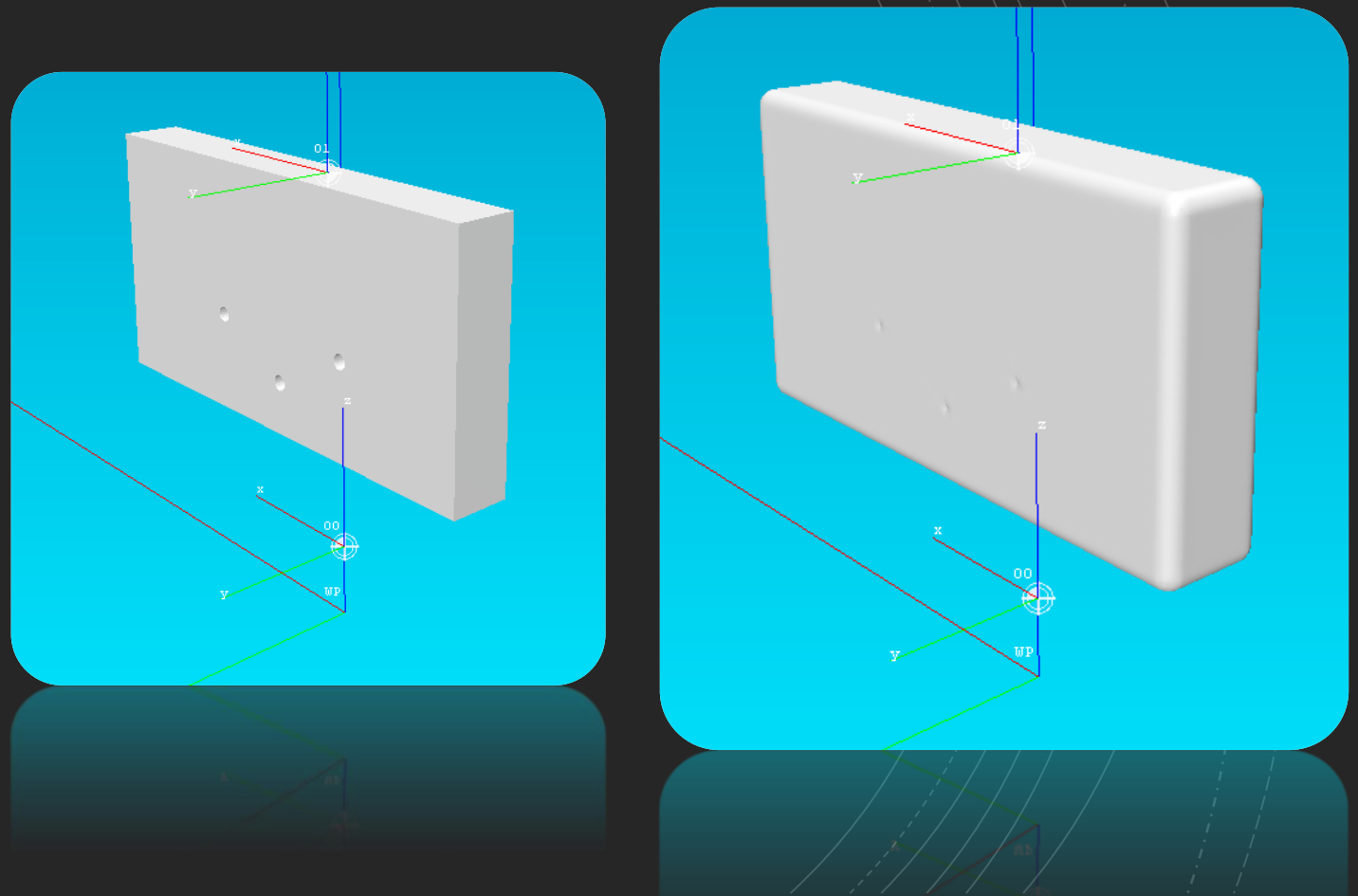
- Toolpath Analysis and Optimization now available also for Lathes and Mill-Turn Machines

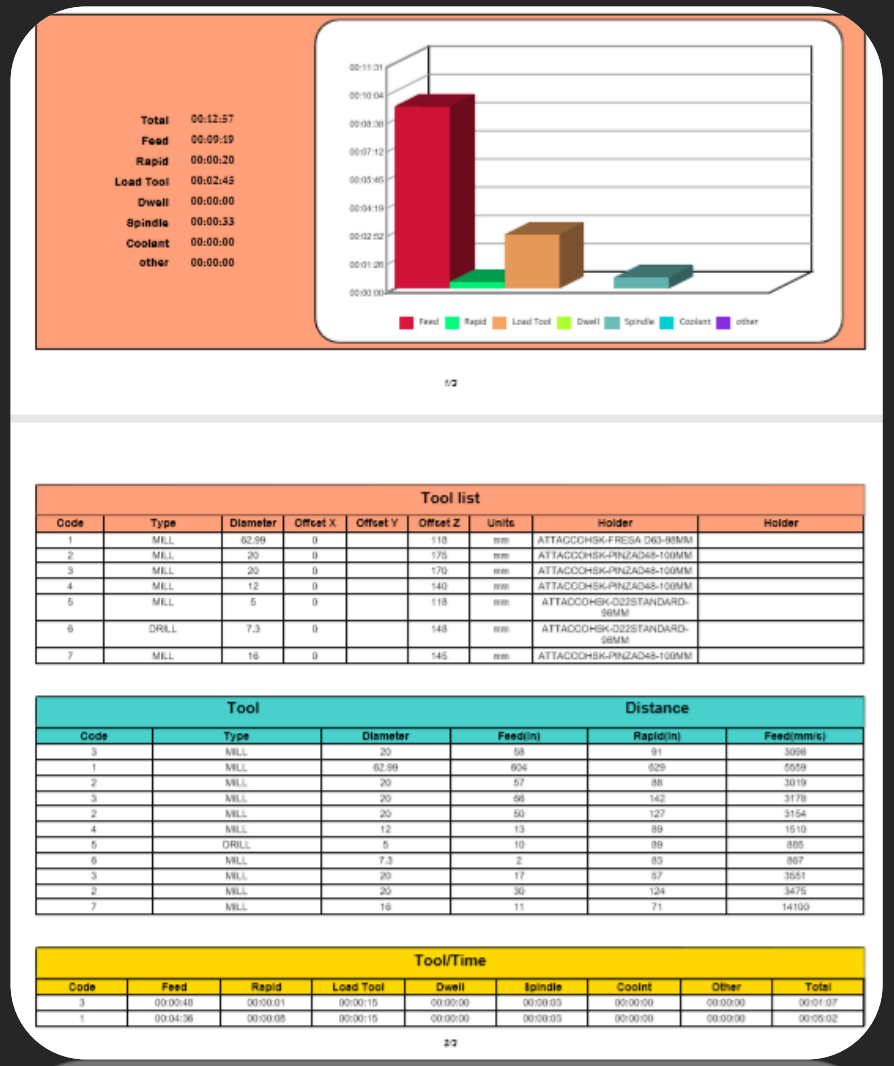




Save STL Files with an Offset

- Add an offset to a 3D Model and save the resulting STL file





PDF Report

- Machining time
  - Rapid
  - Feed
  - Tool change
  - Head change
  - Etc…
- Information for each tool
  - Rapid
  - Feed
  - Etc…
- Origins

Eureka Batch

- Simulate in background
- More than one “.epf” file
- Each simulation can output
  - Report
  - Evdf (Eureka Mobile)
  - Evpf (Eureka Viewer Pro)
  - Stock/design comparison results
  - Log files