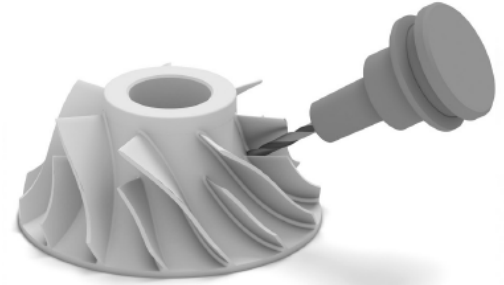
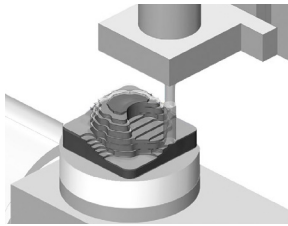


## VANC Machine simulation

The machine simulation offers a CNC simulation, a test with the highest performance and also supports complex turning and milling machines. The comparison of raw and finished parts, including a detailed analysis of the toolpaths, is also included.

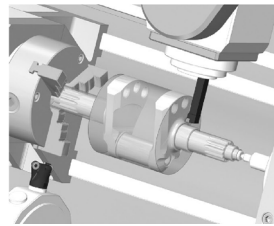


### KEY BENEFITS



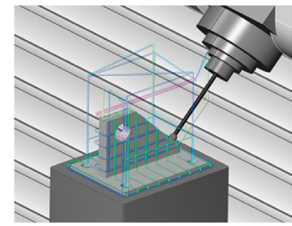
- The latest version of simulation technology
- Swift commissioning
- Easy to use

### MATERIAL-ABTRAG



- Milling: 2-axis, 3-axis
- Multi-sided machining
- Simultaneous 5-axis milling
- Turning
- Mill-Turn: multiple turrets, several spindles

### MACHINE SIMULATION

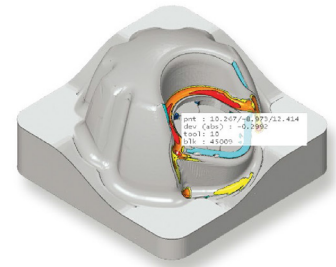


- Collision check
- Examination of the travel range
- Manual axis control and monitoring
- Any number of axes controllable

## Overview VANC Machine simulation

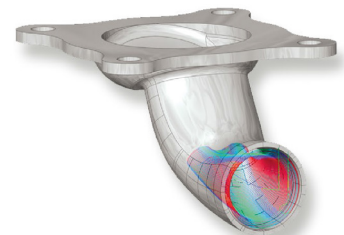
### Fault detection

- Collision detection: tool, shaft, holder
- Verification of toolpaths according to feed-rate and rapid traverse
- Zoom in the regions of interest
- Raw part visualisation
- Measurement of the machined raw part



### Toolpath analyses

- According to tool, operation, sequence
- Toolpath sorting
- Scale, change, return of tool axis
- Change of the orientation
- Segment length
- Feed adjustment



### Display and graphics

- Simple and intuitive operation
- OpenGL graphics
- Customisable user interface
- Display of tool positions and vectors

