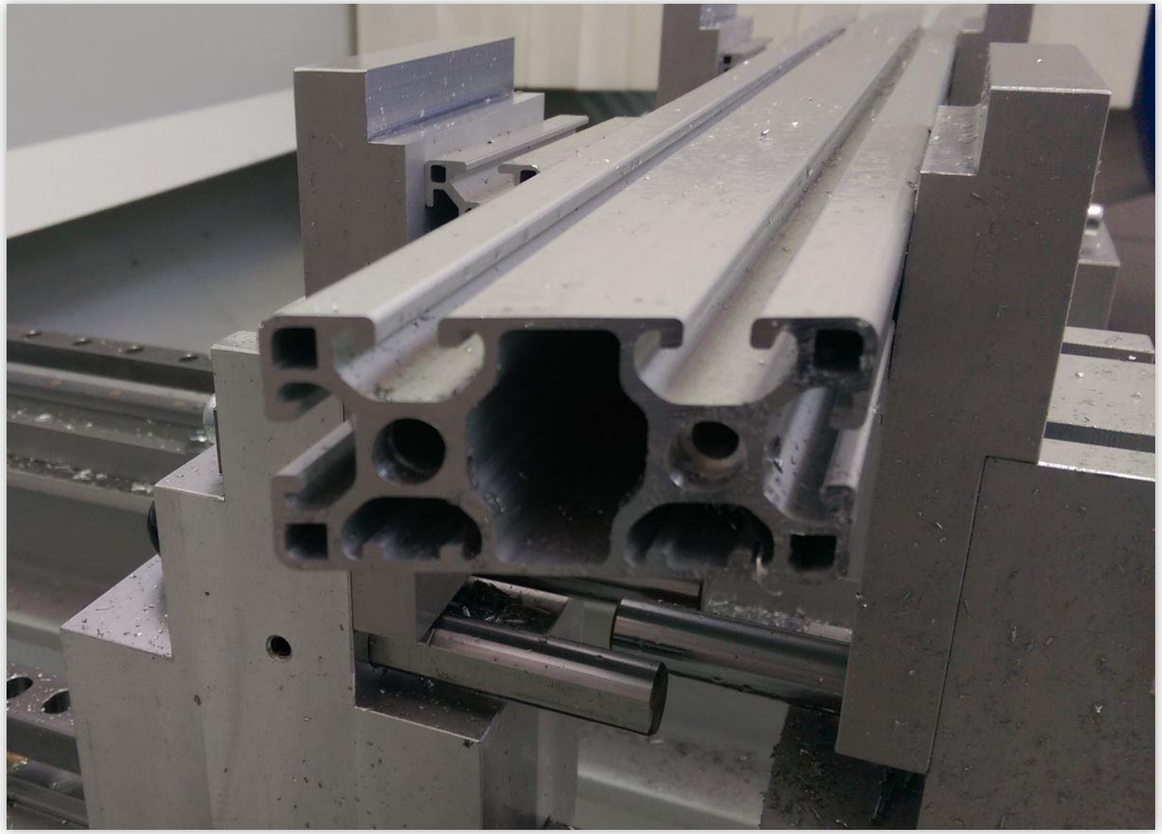
CAMaleon

SOFTWARE CNC SOLUTION

CAD/CAM

PUMA Pro
Profile processing software

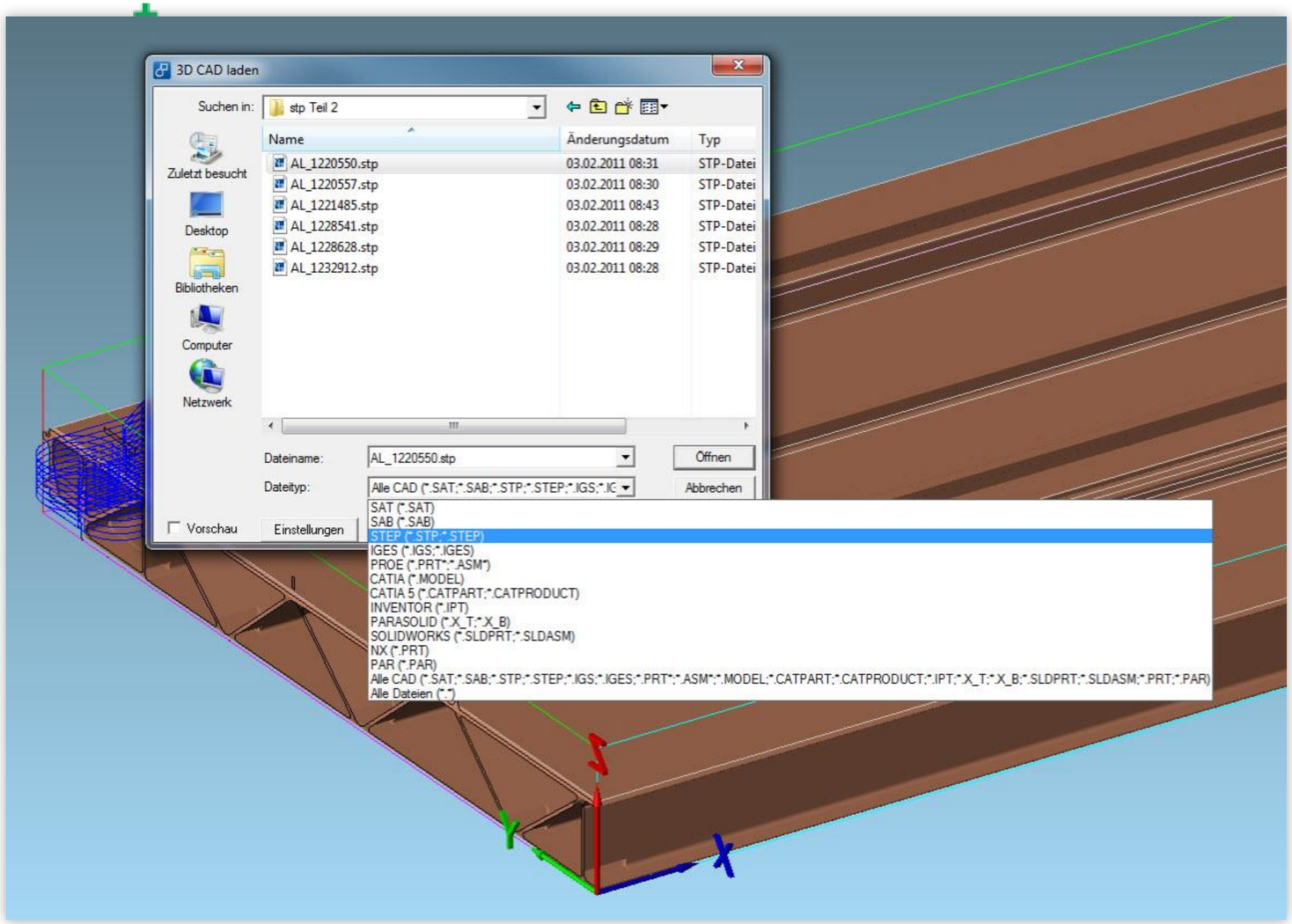
Made by CAMäleon



PUMA Pro

Profile processing with maximum efficiency

- All common milling strategies
- Free Milling
- 5 axis simultaneous milling
- Surface milling
- Bended profiles management
- Innovative clamp management
- 3D simulation with machine model
- Creation of working papers
- Automatic feature recognition

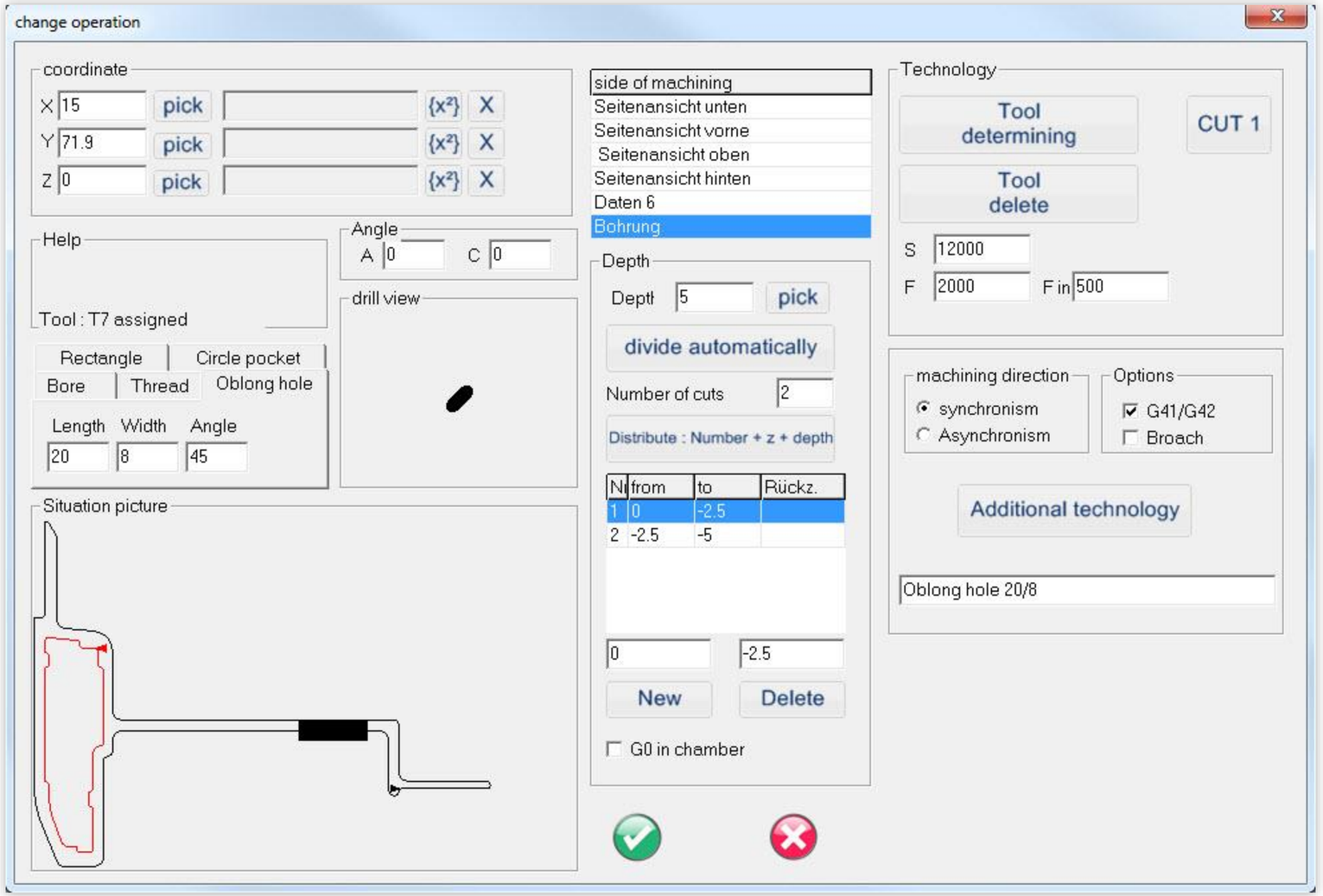


3D model import

Supported formats:

Default
- SAT
- SAB

Optional
- STEP
- IGES
- PROE
- CATIA
- INVENTOR
- PARASOLID
- SOLIDWORKS
- NX
- PAR

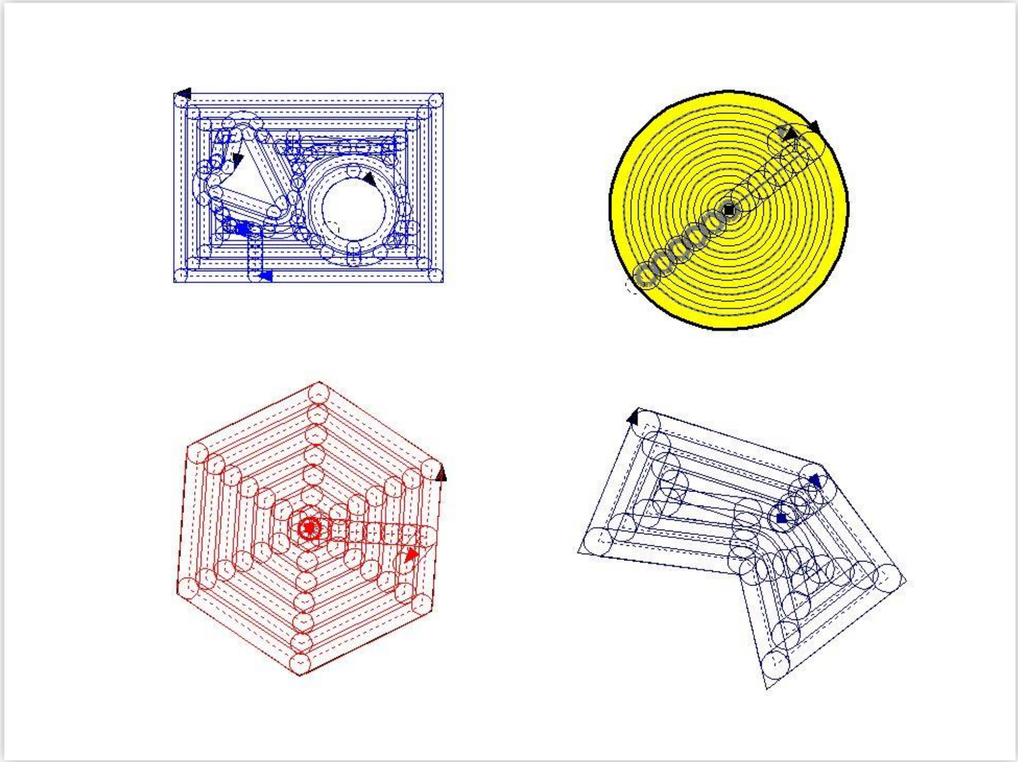


Standard operations

Easy to create:
- Drilling
- Threads
- Long holes
- Rectangle pockets
- Circle pockets (with/without Helix Interpolation)

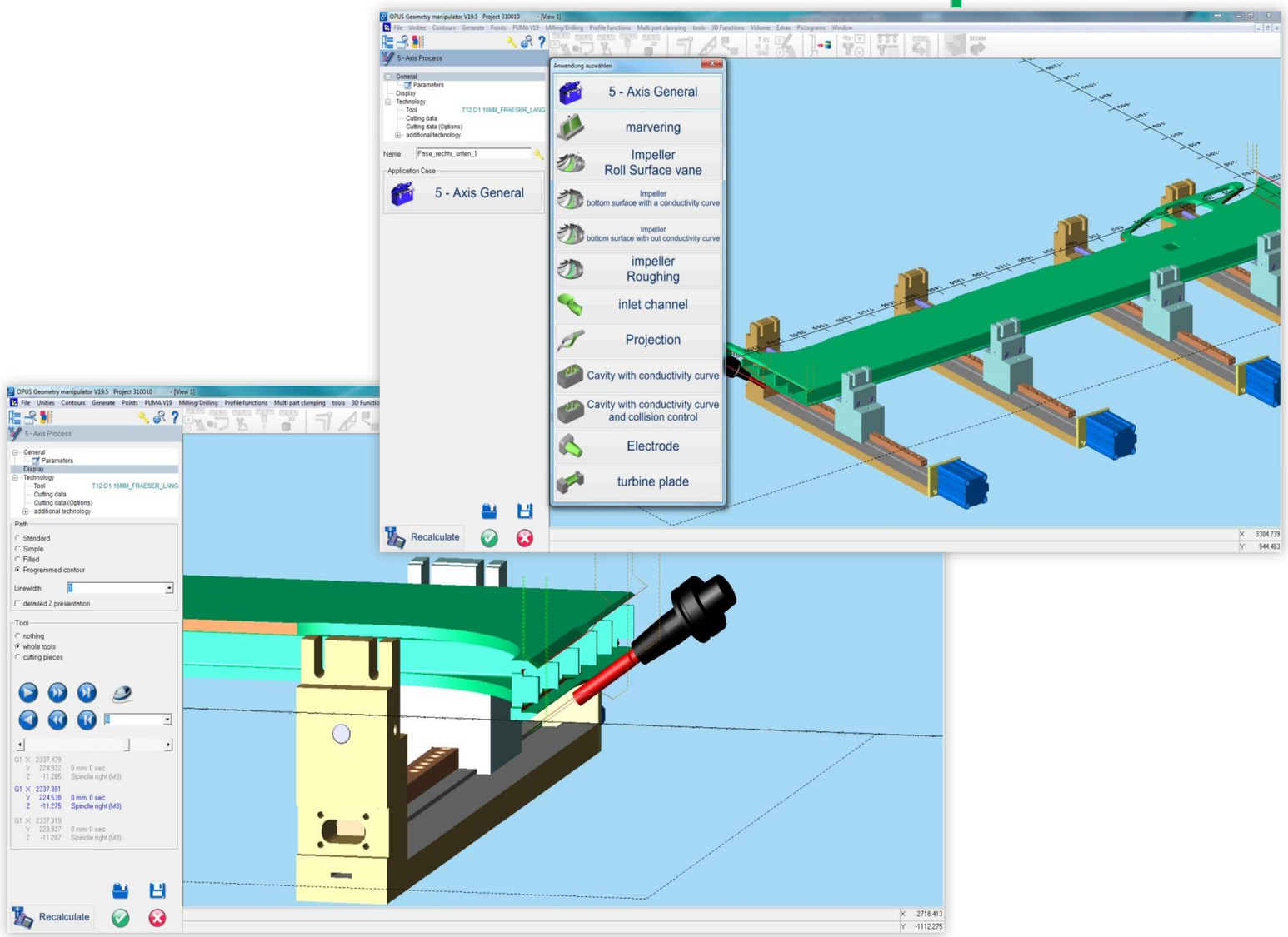
Parameter:
- Cut division
- Synchronous/Asynchronous
- Radius compensation
- Processing name
- Tool allocation
- G0 in profile chamber

- Trace out
- Broach
- Broaching (parallel to contour)
- Broach rectangle
- Broach full circle
- Machining of rests
- Slot
- Engraving
- Thread milling
- User defined milling strategies



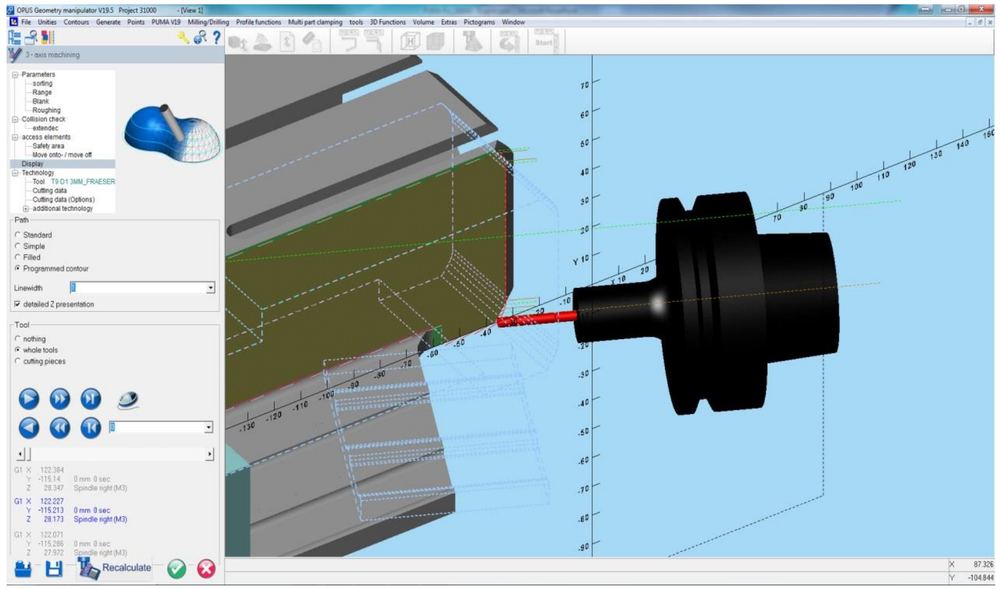
Milling

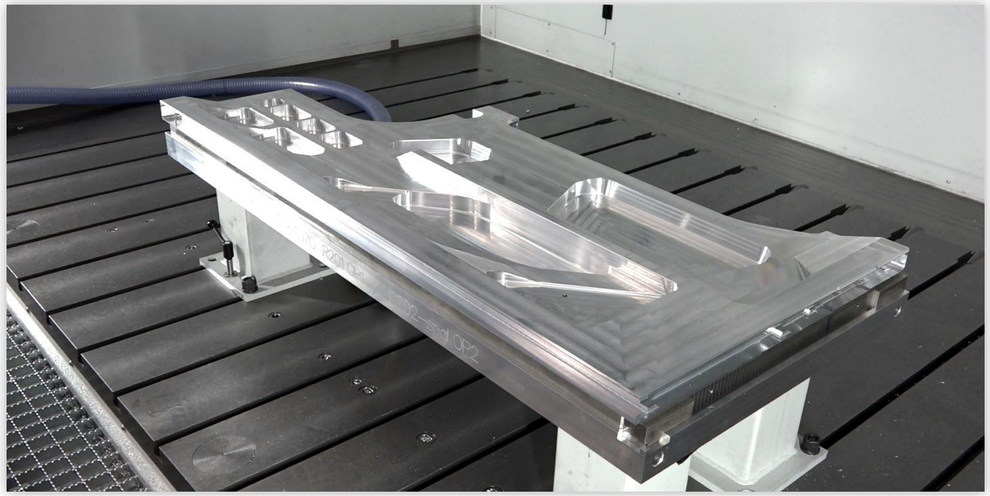
For any contours a wide range of processing strategies are available.

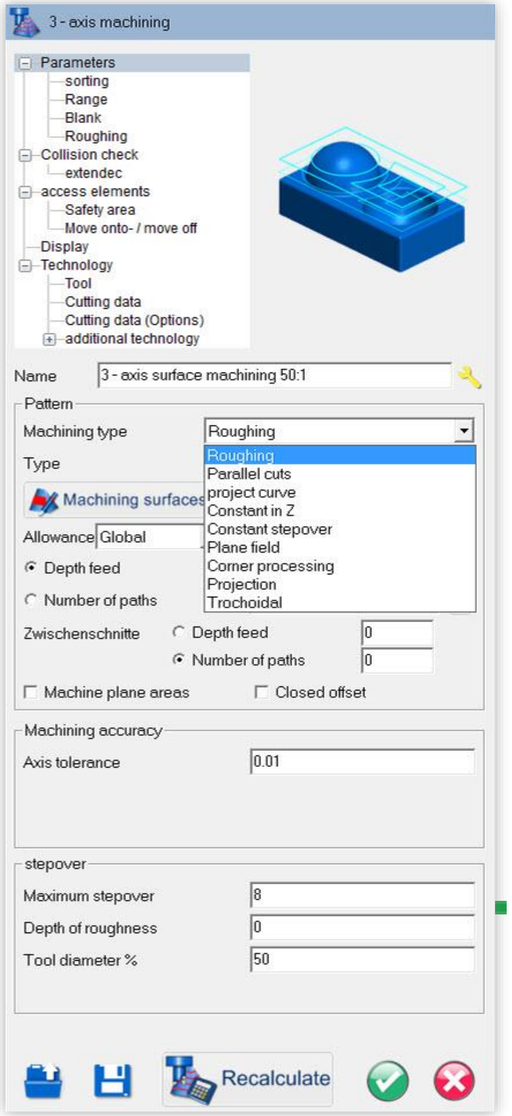


ModuleWorks 5 axis module

- Simple creation of the milling path by edge/surface selection
- Test mode for the created path incl. tool display
- Preset for the most important machining methods
- Saving and loading parameter sets

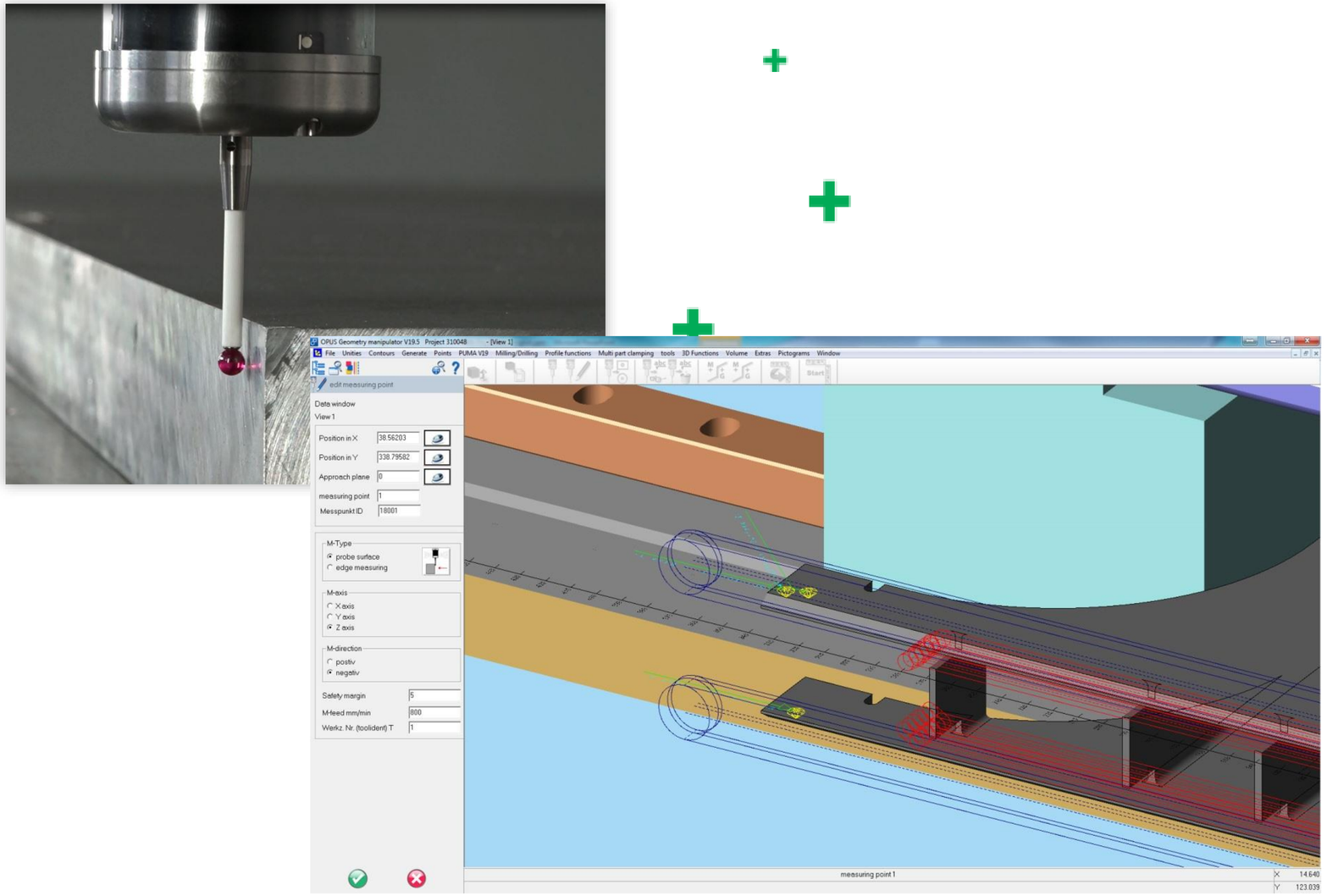






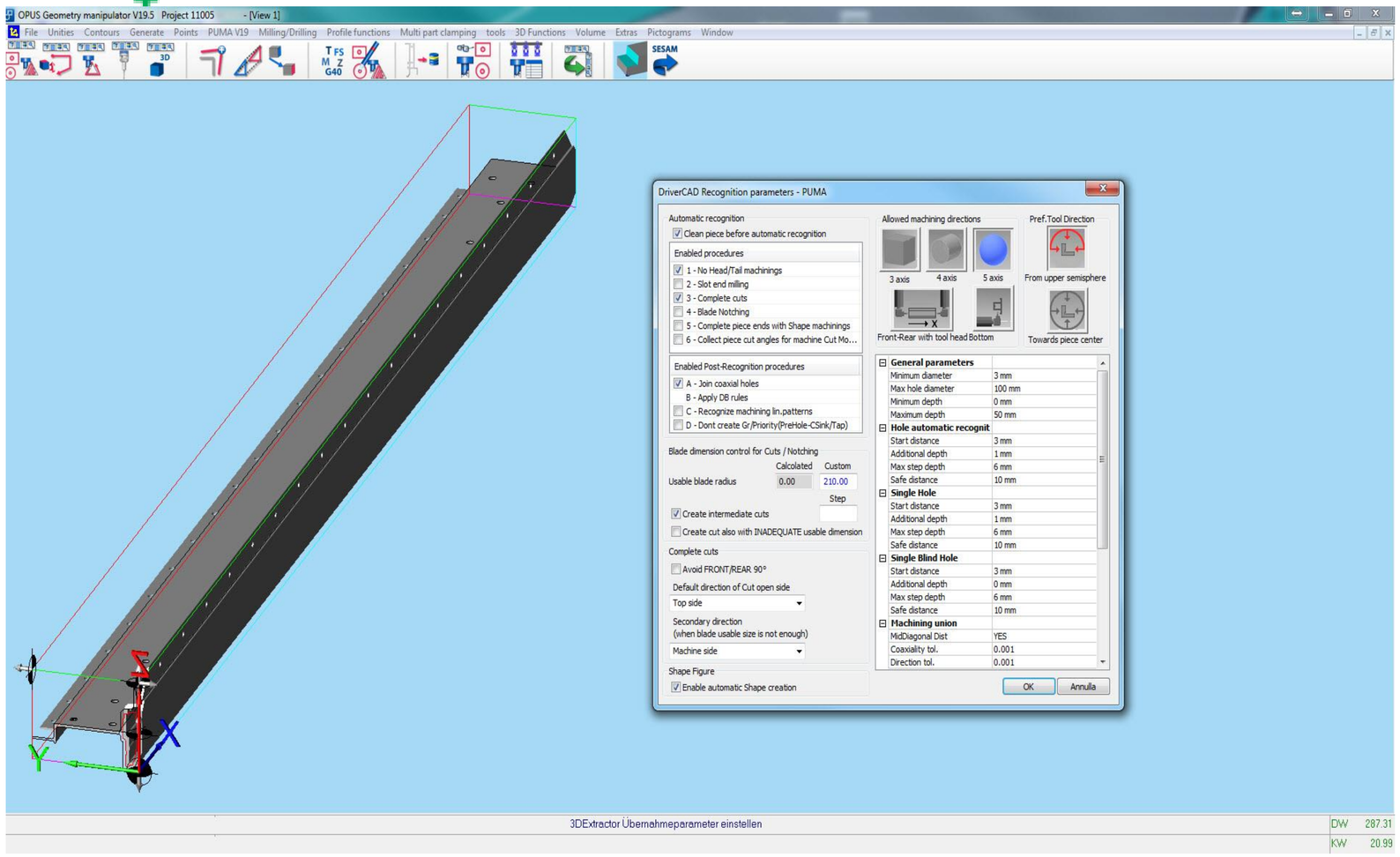
ModuleWorks 3 axis surface milling module

- All common milling strategies available
- Saving and loading parameter sets
- Collision test
- Test mode for the created path incl. tool display



Radioprobe: Measuring and correction of machining

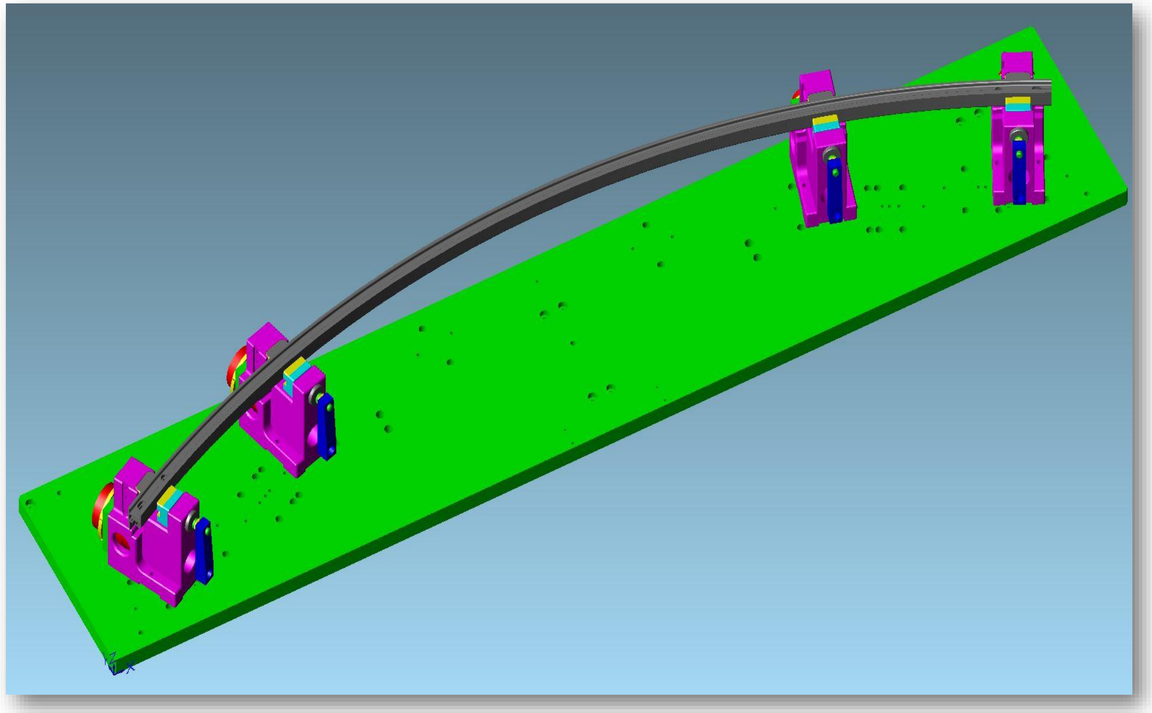
- Edge/surface measuring in all axis
- Set and assign measurement points directly in the geometry
- Move the X - 0 point with measurement points
- Correction of contour elements

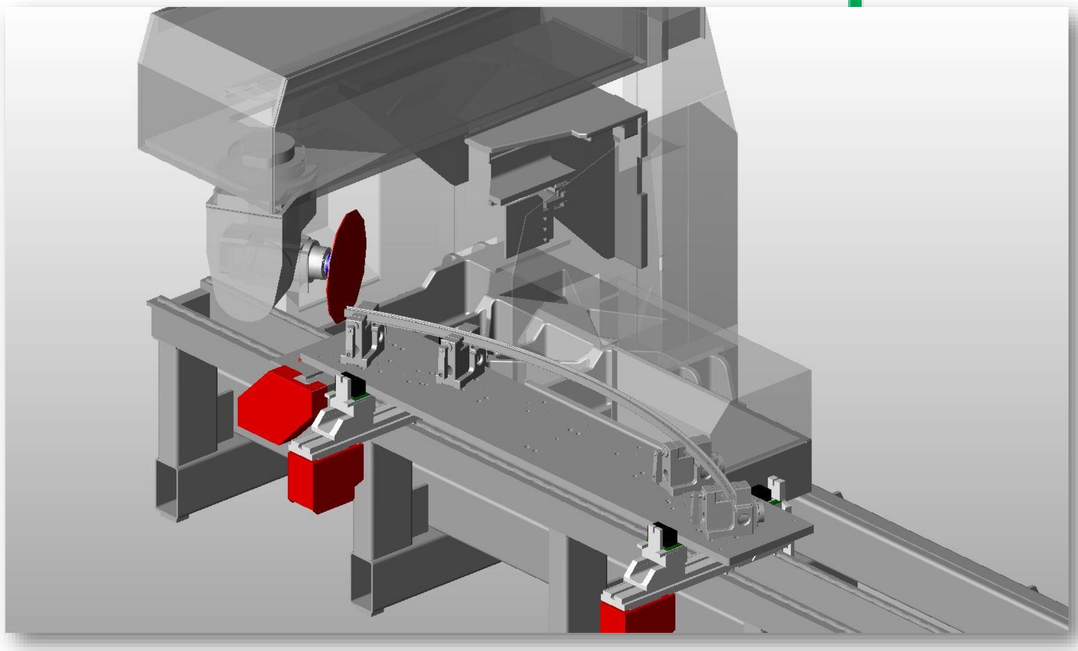


Automatic feature recognition(AFR)

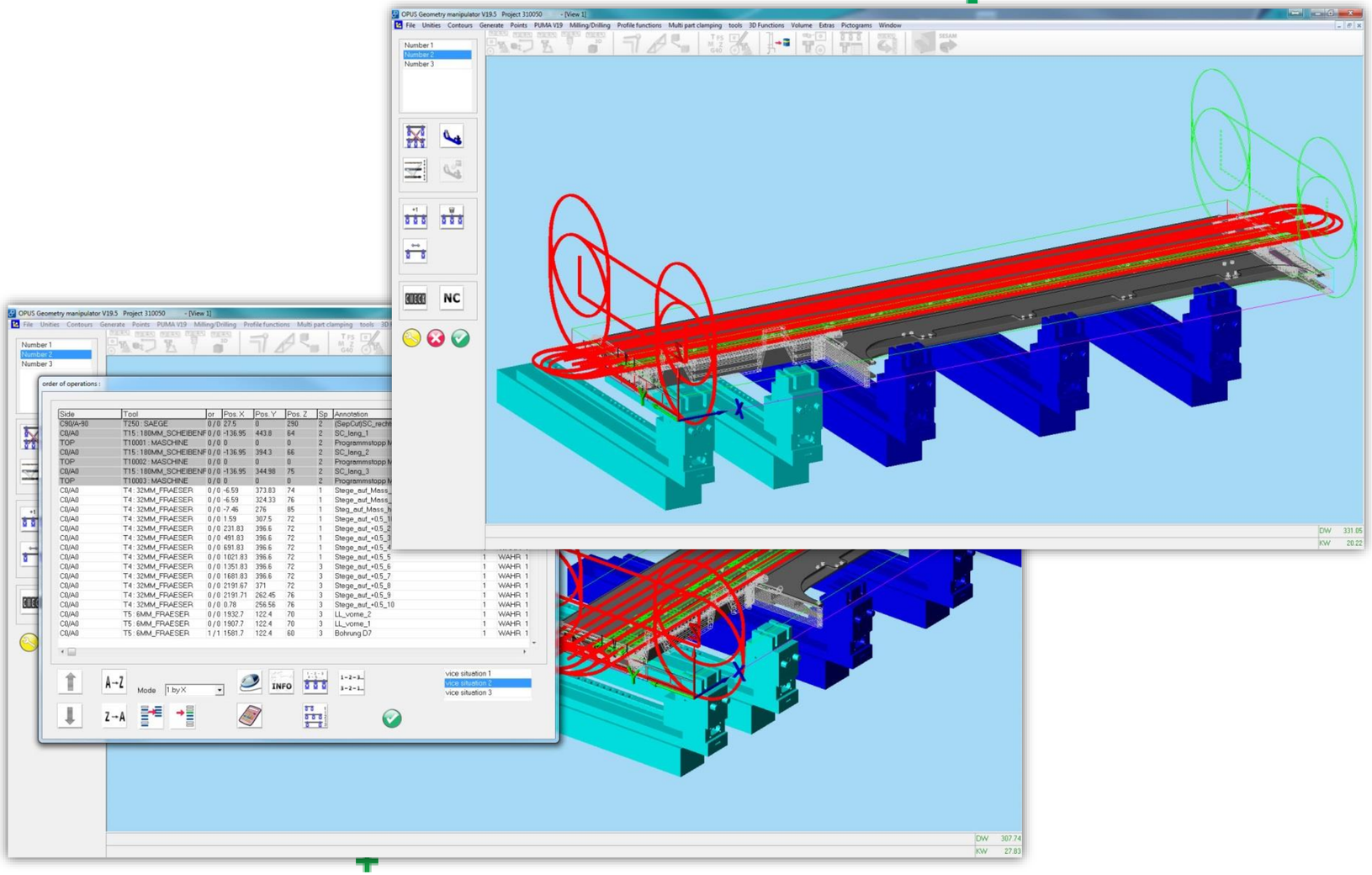
Automatic recognition of machining operations with a wide range of adjustment options.

Bended profiles management



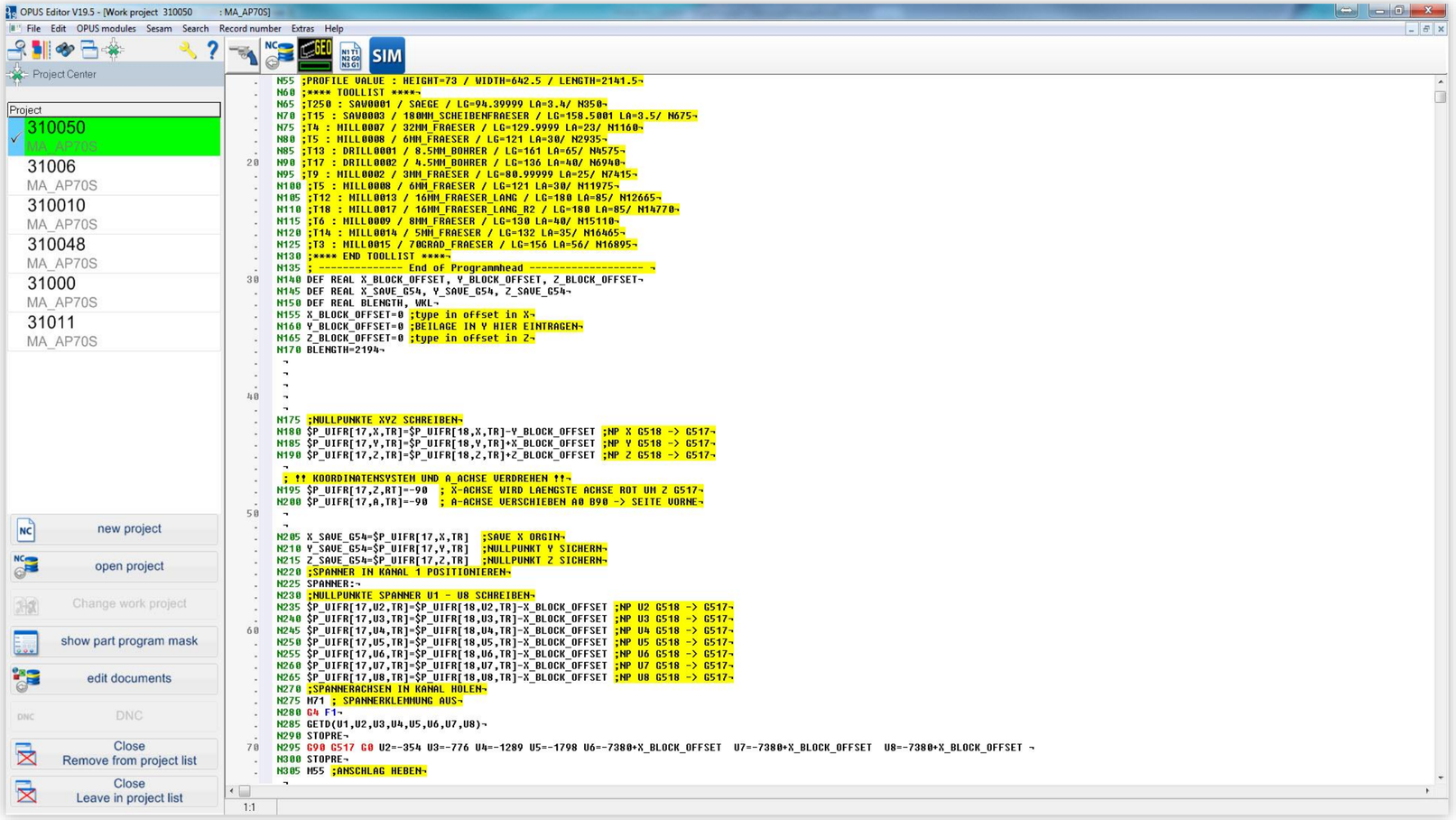


- Correct 3D view of curved profiles
- Real representation of clamps or equipment
- Real definition of approach and exit movements
- Representation of clamping devices in the 3D simulation



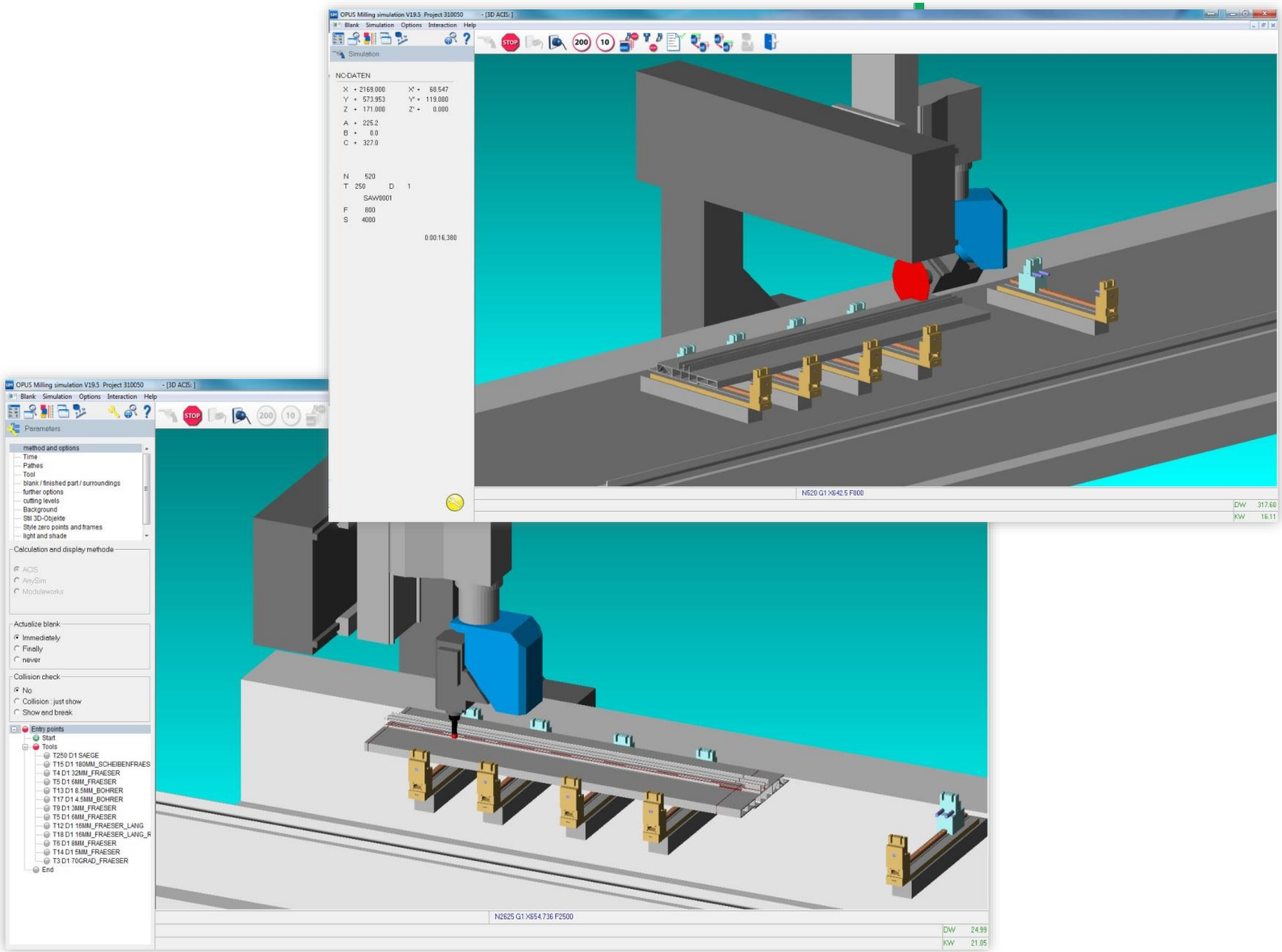
Innovative clamping management

- Movement of the clamps by mouse click
- Real representation of the clamps
- Fast sorting of the processing order



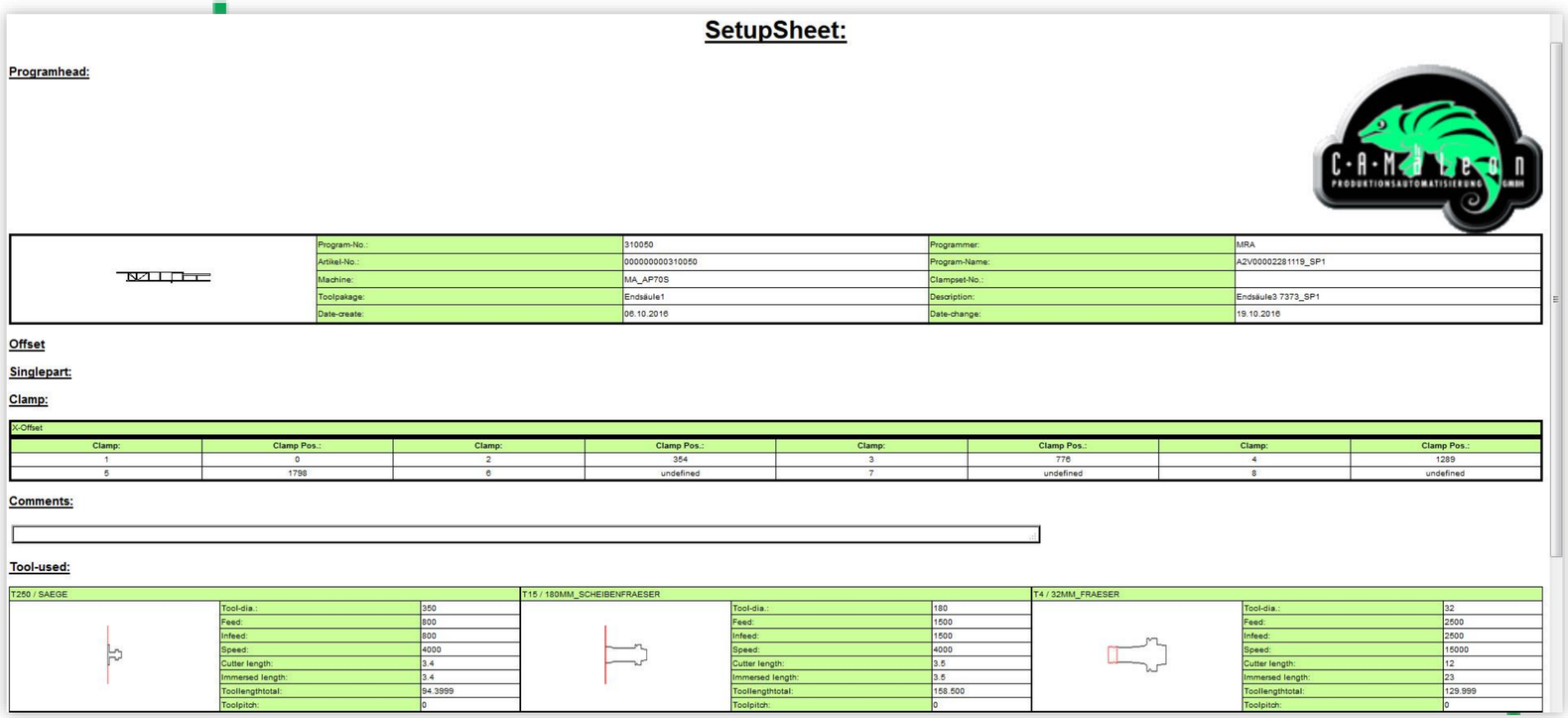
Editor with Project Center

The project center does not only contain the NC code. One folder is automatically created for each project, in which all the related files can be stored. The programmer has a complete overview of the project in one click.



3D Simulation

- Simulation directly from the NC code
- Visible removal of material
- Start from any tool
- Display of the axis positions
- Display of current tools
- Display of the cutting data
- Display of the processing time



SetupSheet:

Programhead:

	Program-No.:	310050	Programmer:	MRA
	Artikel-No.:	000000000310050	Program-Name:	A2V00002281119_SP1
	Machine:	MA_AP70S	Clampset-No.:	
	Toolpakage:	Endsäule1	Description:	Endsäule3.7373_SP1
	Date-create:	06.10.2016	Date-change:	19.10.2016

Offset

Singlepart:

Clamp:

X-Offset							
Clamp:	**Clamp Pos.:**	**Clamp:**	**Clamp Pos.:**	**Clamp:**	**Clamp Pos.:**	**Clamp:**	**Clamp Pos.:**
1	0	2	354	3	776	4	1289
5	1798	6	undefined	7	undefined	8	undefined

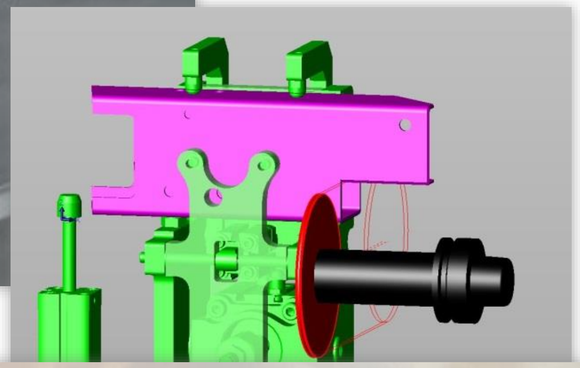
Comments:

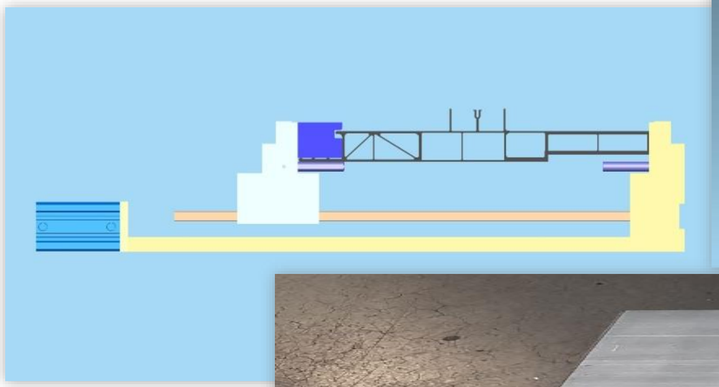
Tool-used:

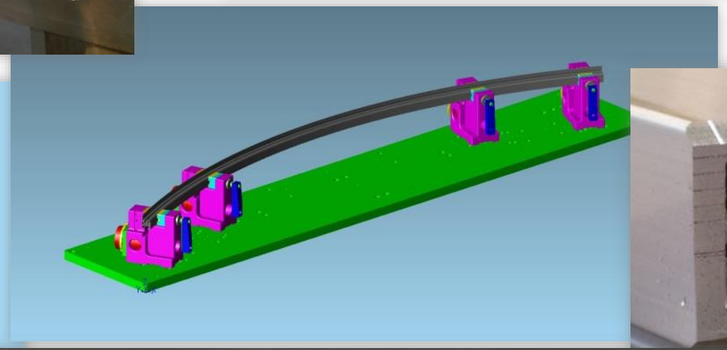
T250 / SAEGE			T15 / 180MM_SCHEIBENFRAESER			T4 / 32MM_FRAESER		
	Tool-dia.:	350		Tool-dia.:	180		Tool-dia.:	32
	Feed:	800		Feed:	1500		Feed:	2500
	Infeed:	800		Infeed:	1500		Infeed:	2500
	Speed:	4000		Speed:	4000		Speed:	15000
	Cutter length:	3.4		Cutter length:	3.5		Cutter length:	12
	Immersed length:	3.4		Immersed length:	3.5		Immersed length:	23
	Toollengthtotal:	94.3999		Toollengthtotal:	158.500		Toollengthtotal:	129.999
	Toolpitch:	0		Toolpitch:	0		Toolpitch:	0

Setup sheet for the machine operator

Displays the profile position, the tools, the program name and the clamping positions







Practical examples


Thanks for the attention
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