



SprutCAM X

Multipurpose CAD/CAM solutions

cost-effective and powerful solution for CNC
programming and industrial robots





About us

SprutCAM Tech

SprutCAM Tech team has been working on CAM software development since 1987

We have acquired extensive experience and expertise in the CAD/CAM domain. Our team consists of experts with hands on experience in the technologies, which make CNC programming easier, faster, and more effective for our customers

19 841

SprutCAM users
around the world

100

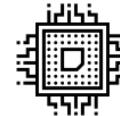
Dealers in 54 countries

35 years

of software development for
CNC and industrial robots

About SprutCAM X

SprutCAM is a CAD/CAM system for streamlined CNC machines and industrial robots programming



Proprietary code

The software kernel and all algorithms of toolpath calculation and simulation are proprietary



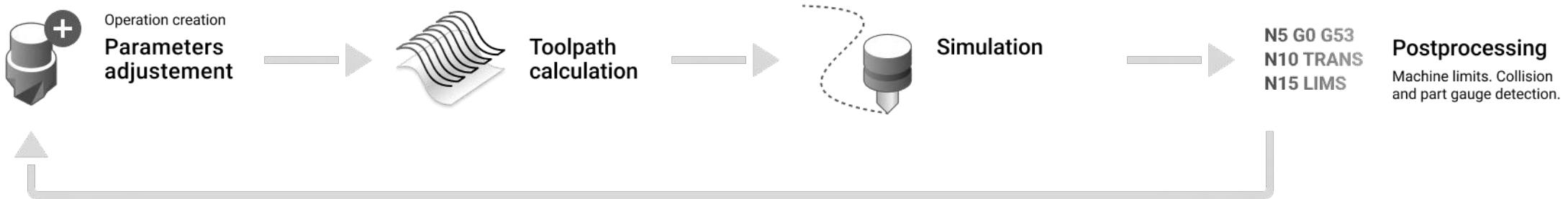
TOP-5 worldwide
in the global CAD/CAM

A screenshot of the SprutCAM X software interface. The main window displays a 3D model of a complex turbine wheel. On the left, there's a detailed toolpath planning panel with sections for 'Machining' (listing operations like 'Rotary roughing_Turbine wheel', '5 Axis Swarf', etc.) and 'Simulation' (showing 'Approach/Return' and 'Safe motions' settings). The right side of the interface shows the 3D model with several toolpaths visualized as colored lines on the part surface.

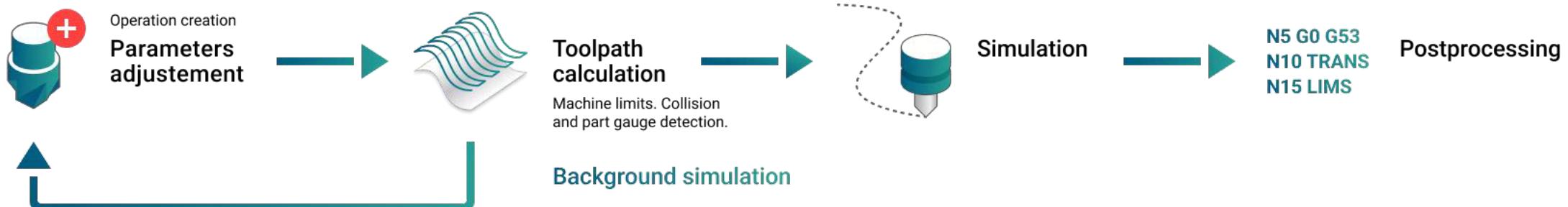
Unique workflow

SprutCAM X

Other CAD/CAM



SprutCAM X



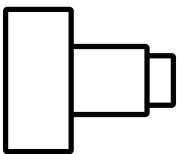
Unique selling points

SprutCAM X



Toolpath calculation taking into account machine kinematics realtime

Unlike other CAM systems, SprutCAM allows visualization of collisions and air-cutting immediately after the toolpath calculation



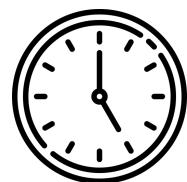
Workpiece updated live

Workpiece for the subsequent operation is the result of all the previous operations. SprutCAM always keeps the workpiece updated live and visible to the user.

N5 G0 G53
N10 TRANS
N15 LIMS

Simulation by G-code

SprutCAM users don't need separate applications for G-code verification. G-code verification is supported by numerical controllers with embedded cycles from Fanuc, Heidenhain, Siemens

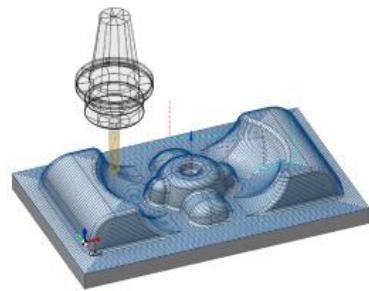


Streamlined production

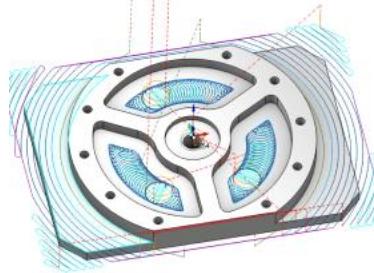
70% reduction of time necessary to obtain ready-to-use G-code for CNC machines



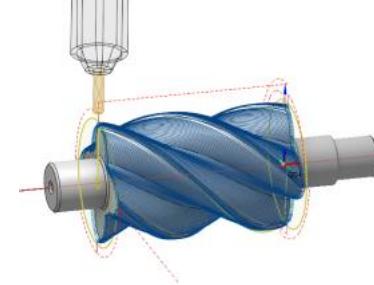
Solutions for any type of CNC machine



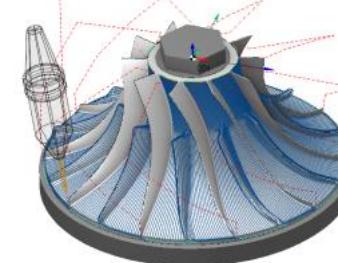
2.5x and 3x mill



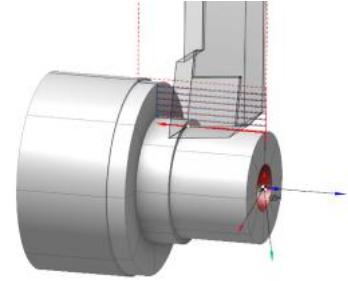
HSM and adaptive



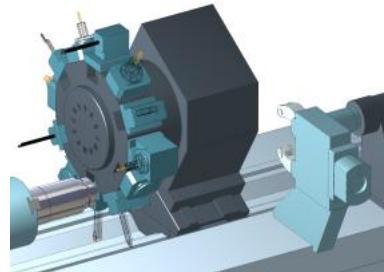
Rotary



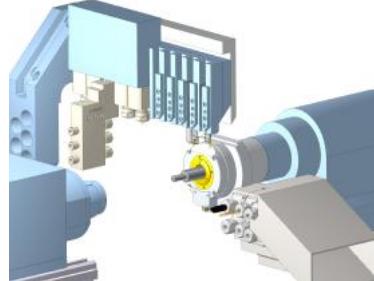
Multiaxis



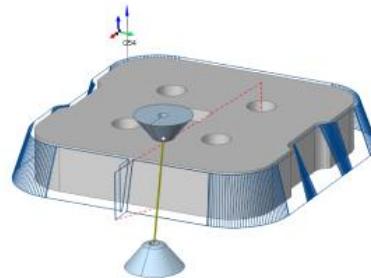
Lathe



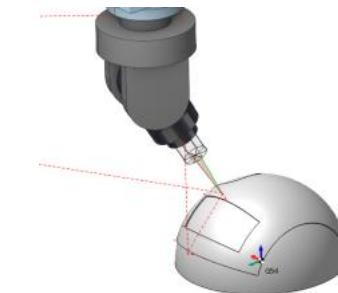
Turn-mill



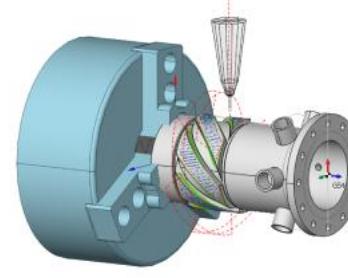
Swiss and MTM



2x and 4x axis EDM



5-6D cutting

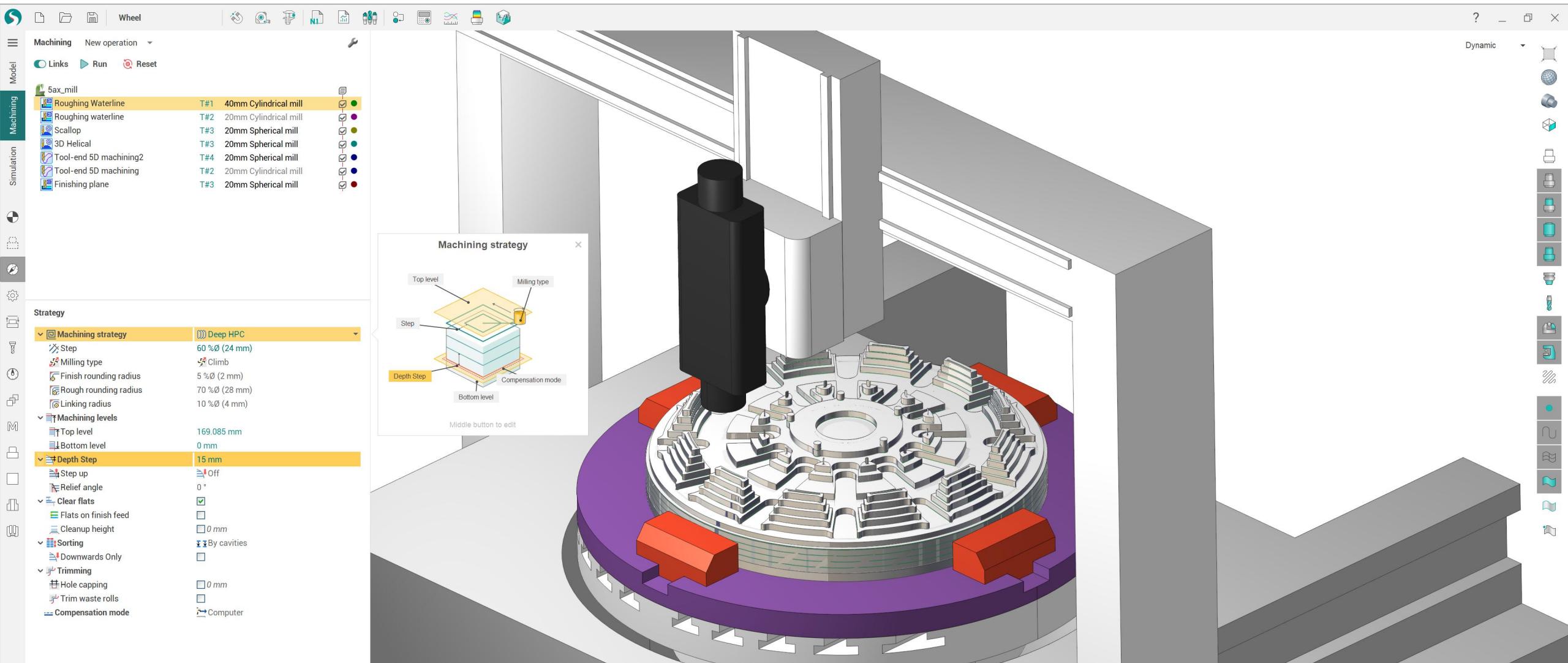


Additive and hybrid



Easy and intuitive user interface

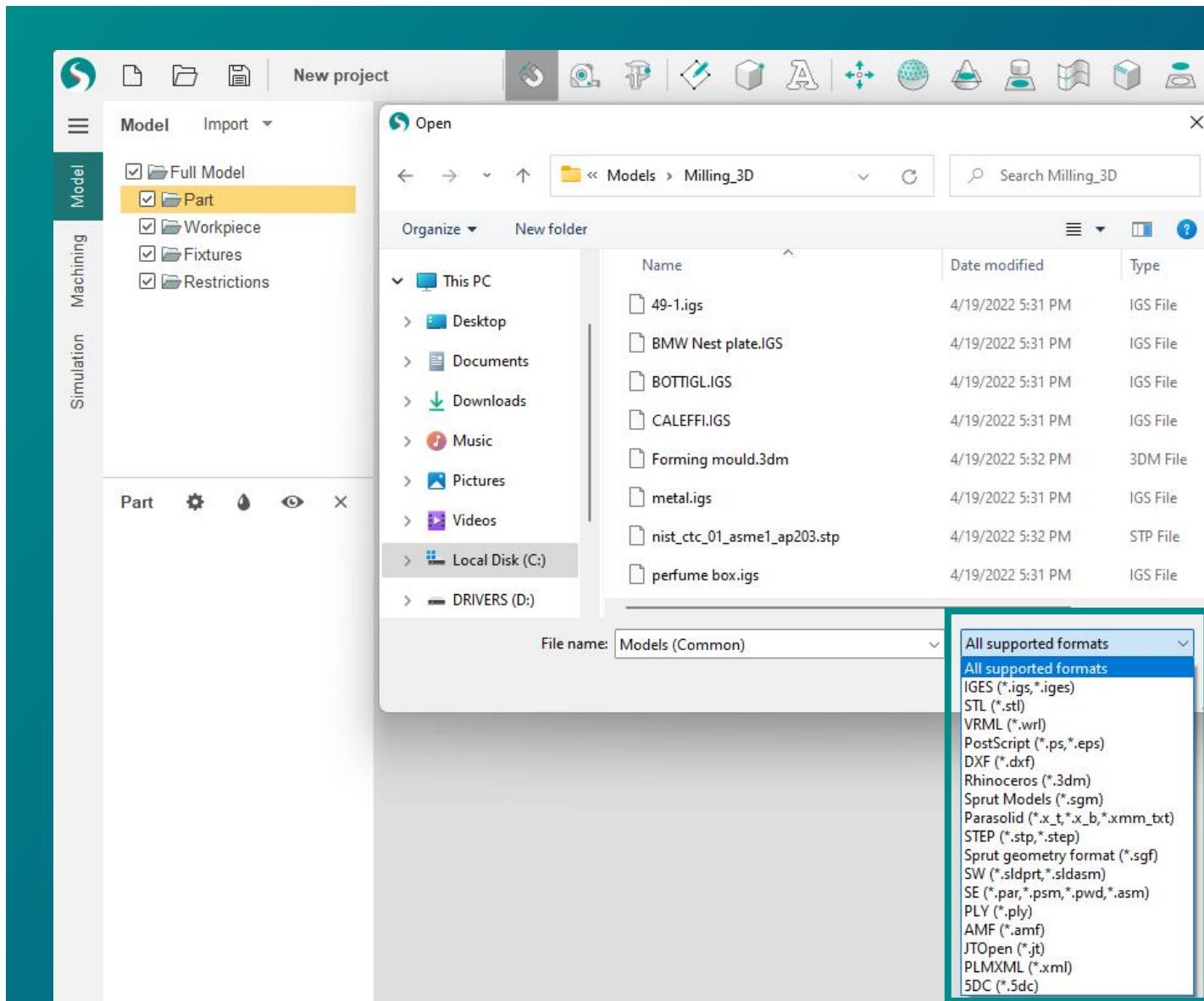
Entire workflow in one window



CAD/CAM

Import from CAD systems

SprutCAM supports import of 3D models in various formats, for instance: IGES, STEP, Parasolid, STL and DXF.



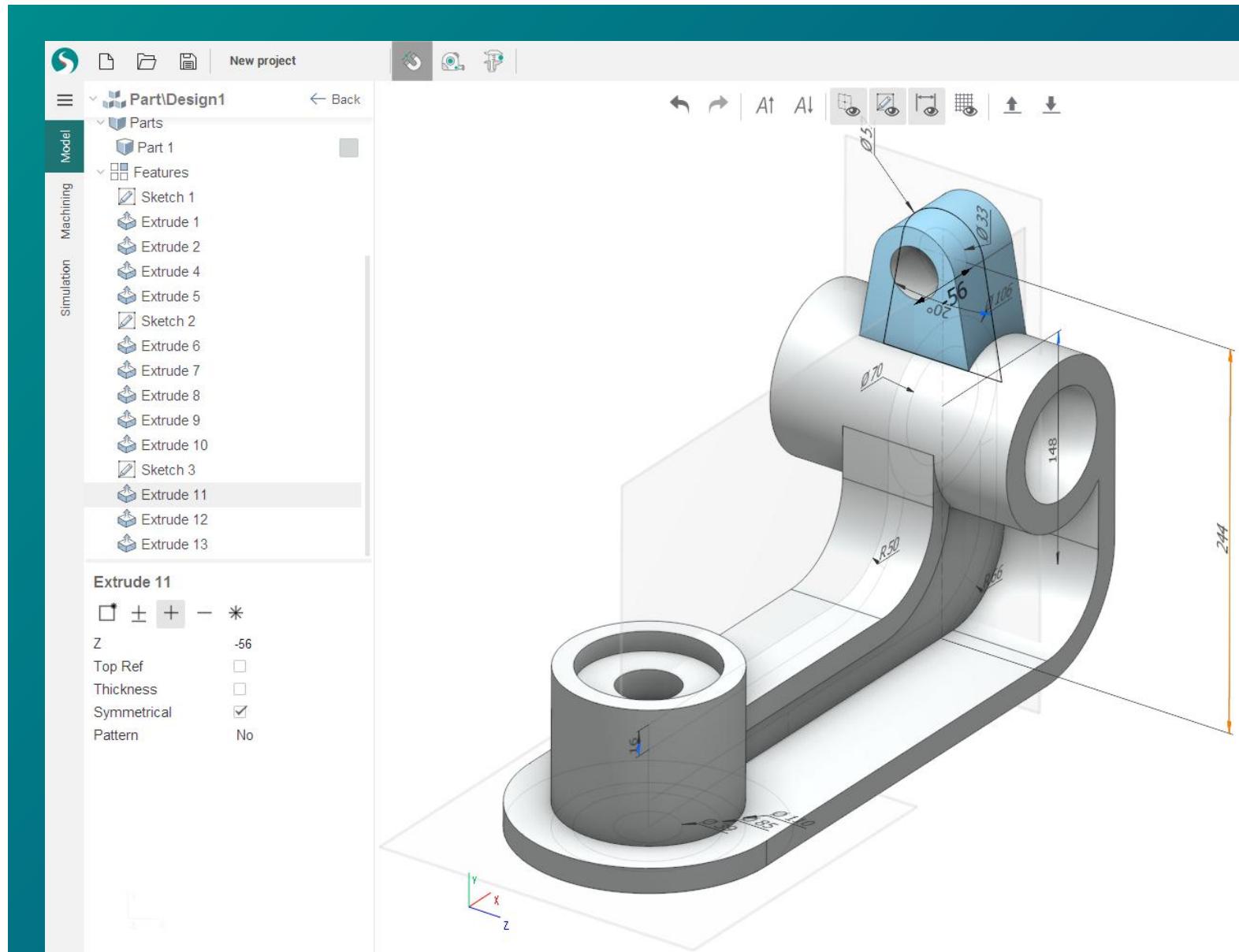
3D CAD

Integrated solution.
Model designing and machining
programming
without leaving SprutCAM

Easy-to-use and “learn as you go”
user interface

System suggests the next suitable
step at any given point

Dynamic snaps. Automatic
snapping of limits and dimensions



Associative links with the imported 3D models

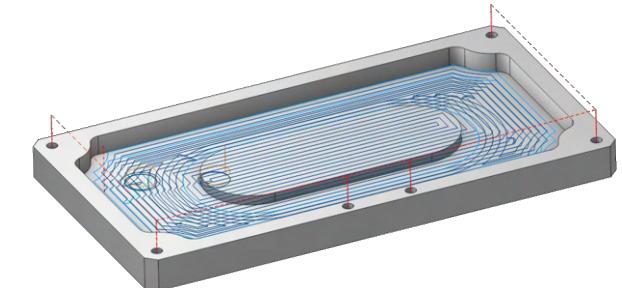
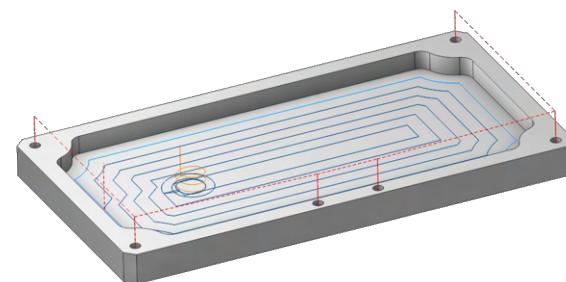
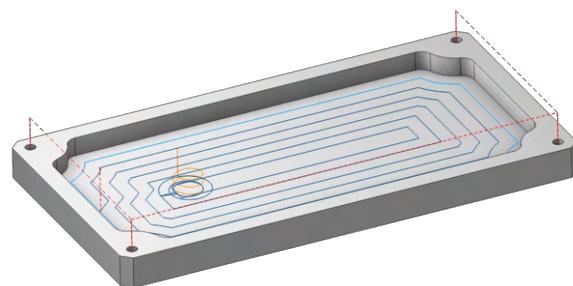
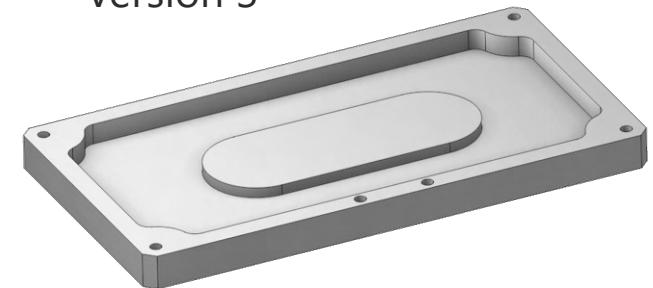
Version 1



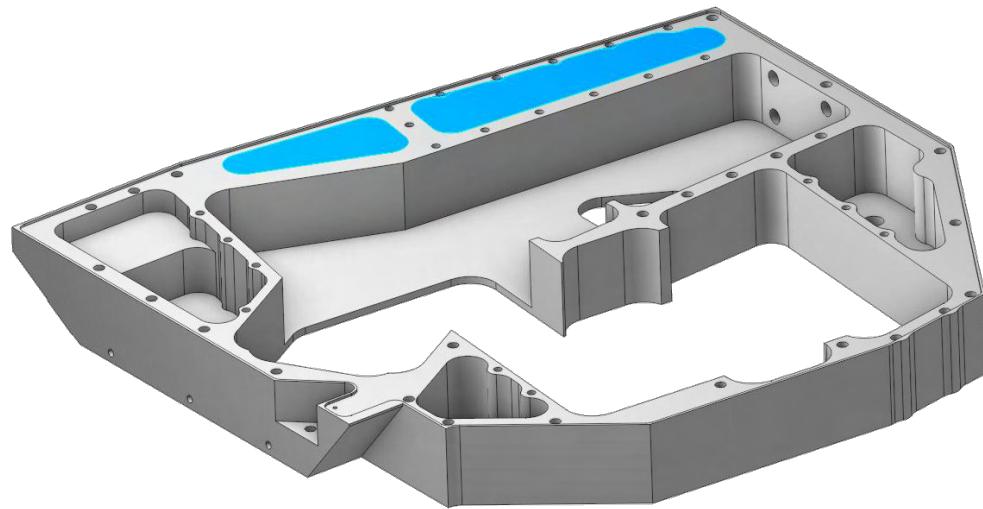
Version 2



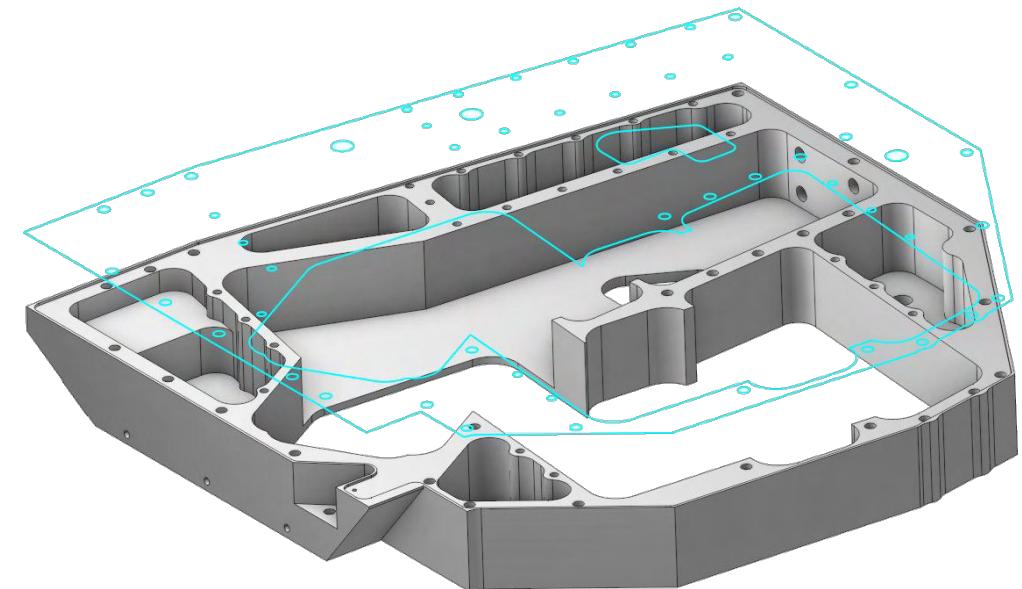
Version 3



3D geometry

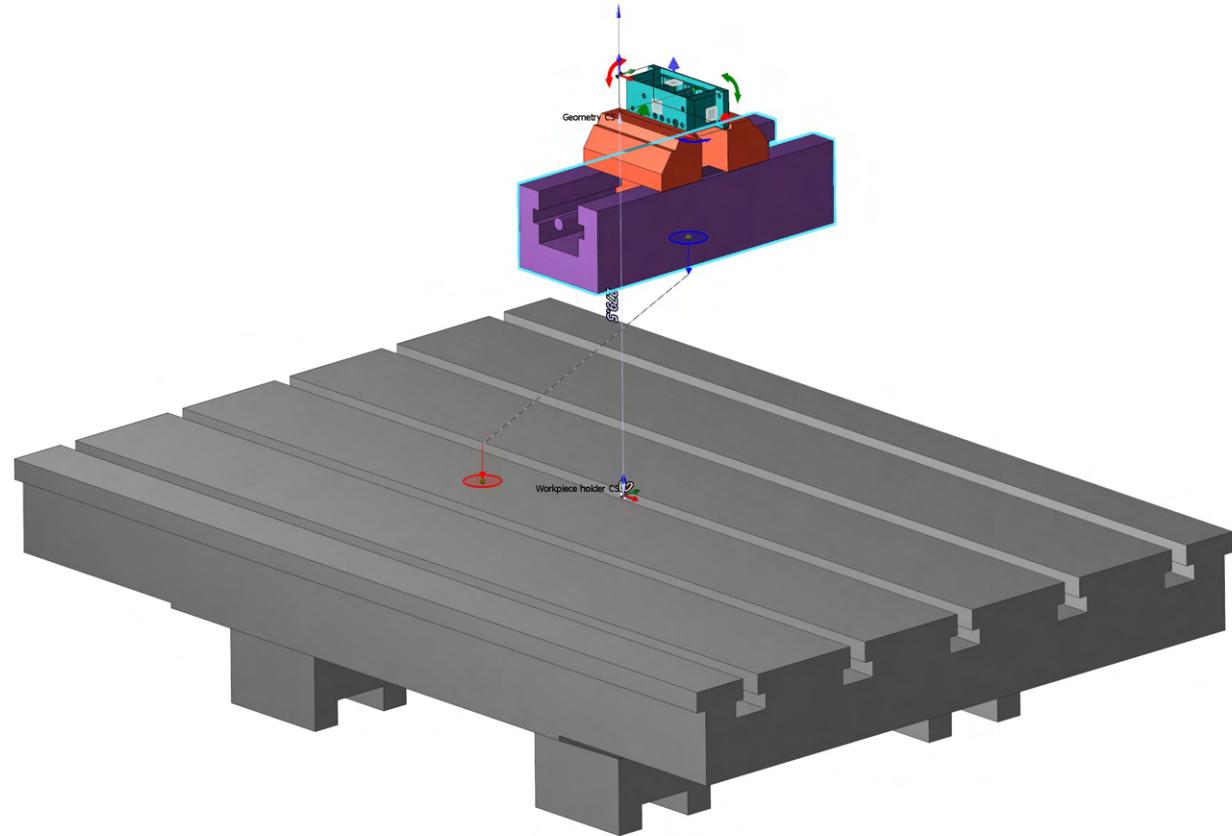
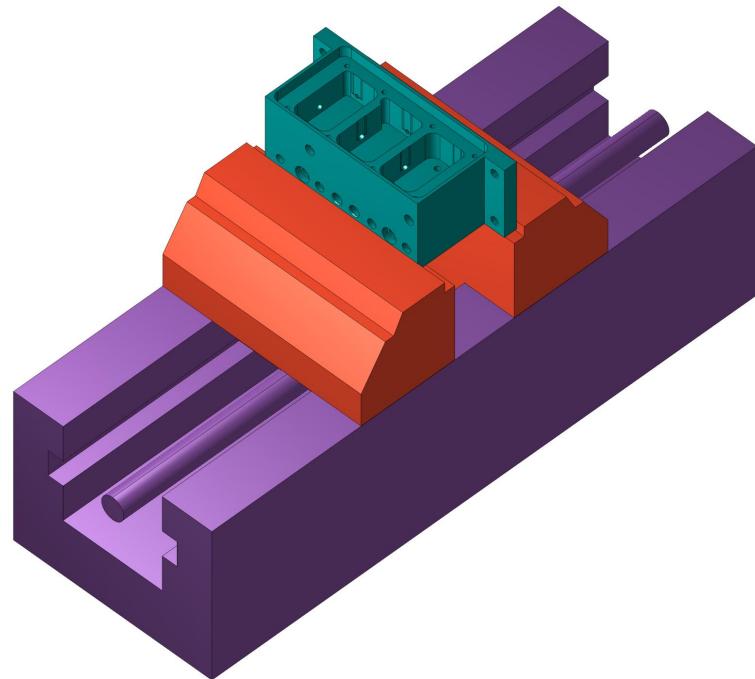


Patch hole function



Surfaces boundary projection

Fixture with smart snaps



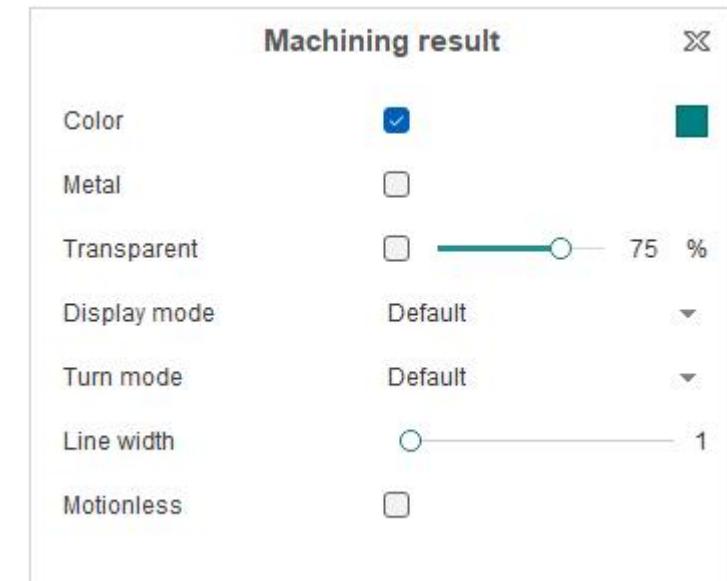
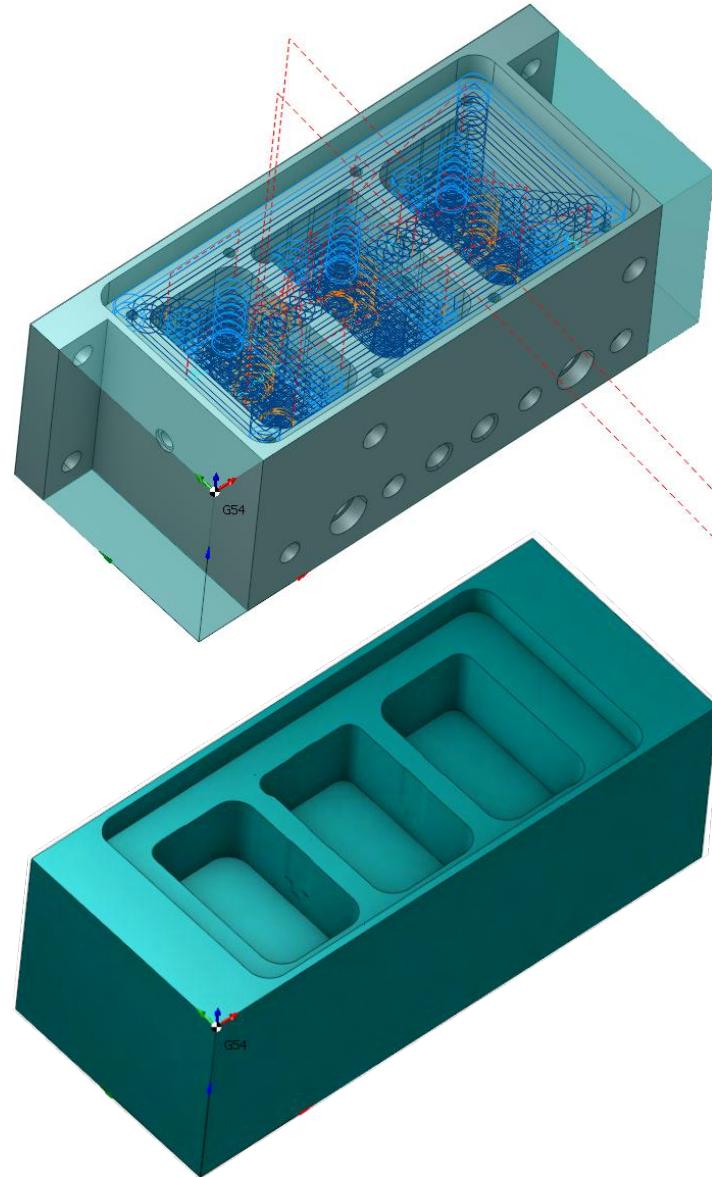


Capabilities and functions for the
3 - 4 - 5 axis machining

Machining result

Machining result is visible immediately after the calculation is complete

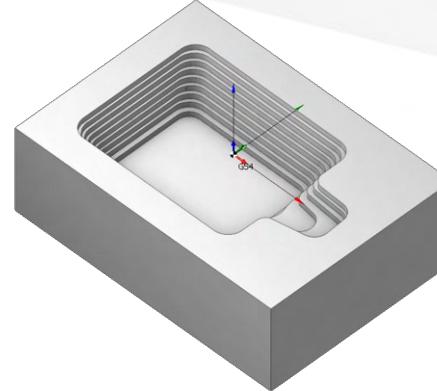
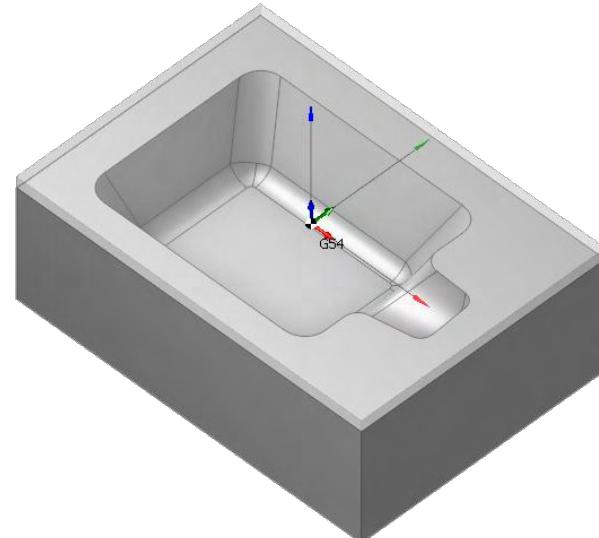
When calculating the toolpath, SprutCAM takes into account machining result of the previous operation



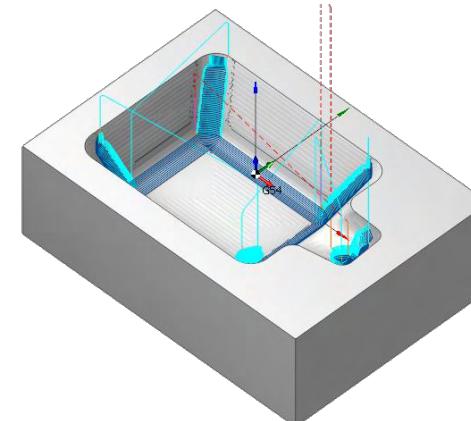
Workpiece update

Rest material is considered for automatic calculation of additional operations

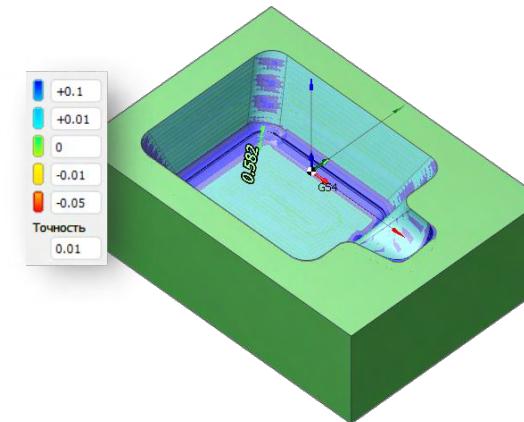
Rest material control is precise and highlighted in color



Stock after roughing



Automatic additional operation



Visual and precise control of the stock



Workpiece update

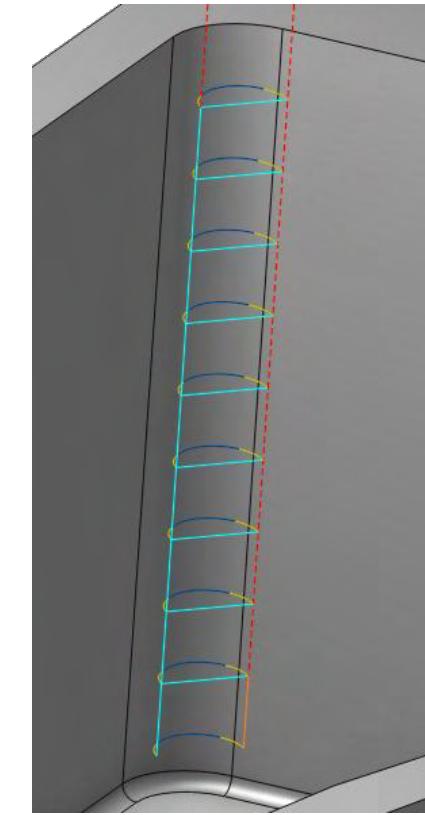
Toolpath calculation based on approximate rest material
for 2.5D axial additional machining operations

Parameters

- Check part
 - Tolerance 0.02 mm
 - Radial stock 0 mm
 - Axial stock 0 mm
 - Use fast calculation method
 - Max motion length 1 mm
- Check workpiece
 - Radial Ignore Thickness 0.01 mm
 - Axial Ignore Thickness 0.01 mm
 - Extend toolpath 25 %Ø (2 mm)
 - Theoretical rest material
 - After Tool Diameter 22 mm
 - With Corner Radius 0 mm
 - Model resolution Standard
- Check Holder
- Plunge roughing
- Simulation
 - Check for gouges
 - Simulation type Auto
 - Delete chips

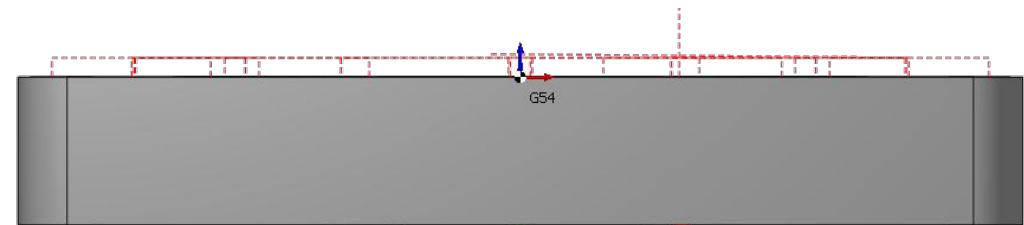
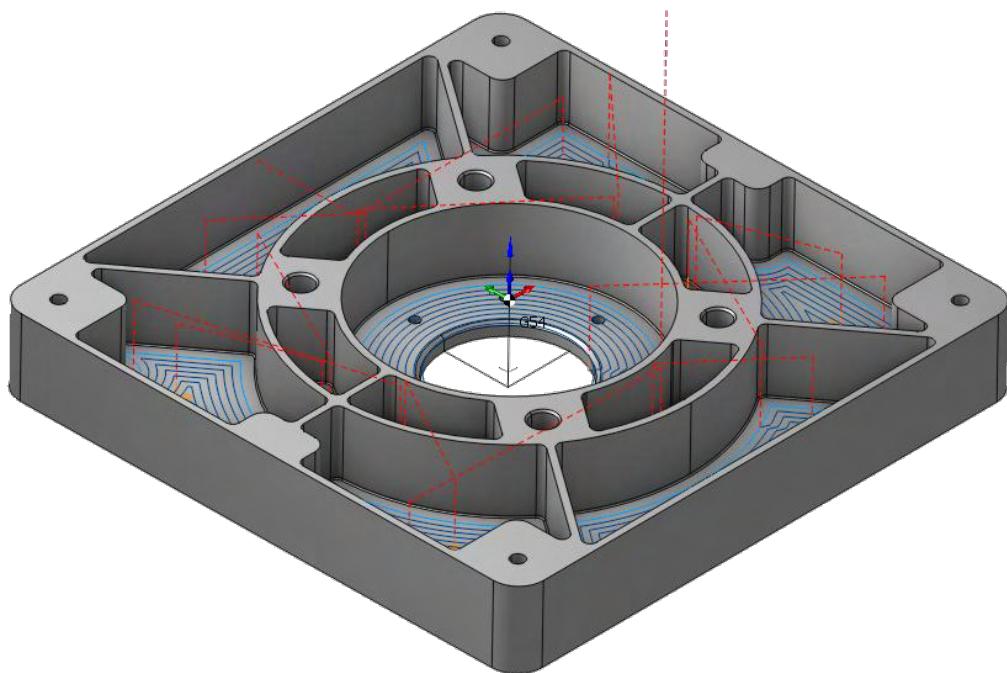
Strategy

- Machining strategy
 - Step
 - HSC step
 - Milling type
 - Equidistant 50 %Ø (4 mm)
 - 100 %Step (4 mm)
 - Climb
 - Climb
 - Conventional
 - Both
- Milling type
 - Finish rounding radius
 - Rough rounding radius
 - Linking radius
 - Finish pass
- Machining levels
 - Top level 0 mm
 - Bottom level -23 mm
- Depth Step
 - Step up Off 0 °
- Clear flats
 - Flats on finish feed
 - Cleanup height 10 mm
- Sorting
 - Downwards Only By cavities
- Trimming
 - Hole capping
 - Trim waste rolls
- Compensation mode Computer



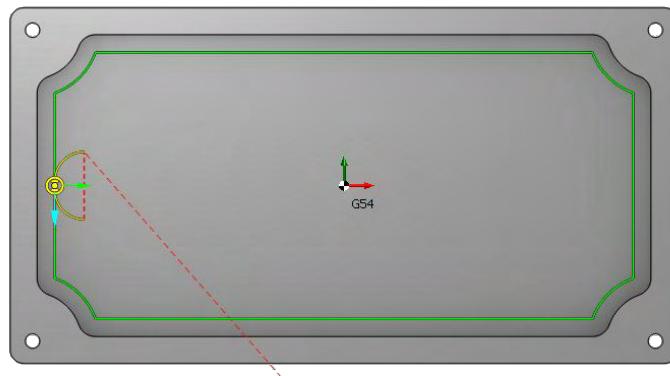
Control of safe motions

Automatic calculation of short and long links on different machining levels taking into account the safe level

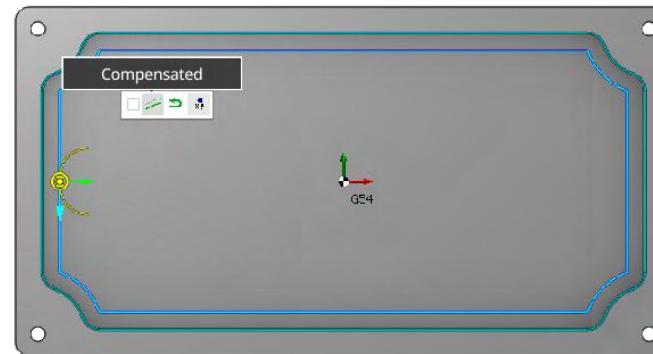


Interactive settings of contouring operations

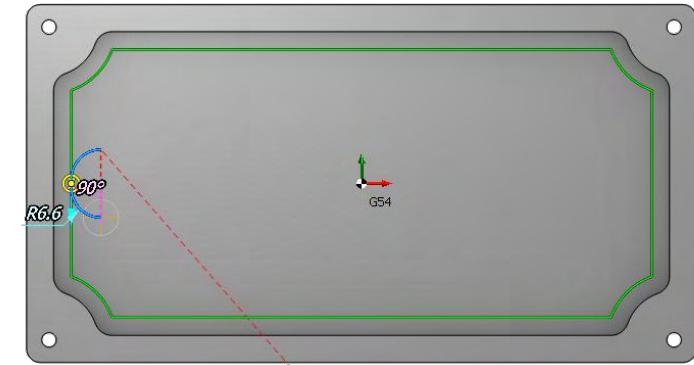
Control of contouring, start point, machining direction and radius compensation



Start point control



Approach by tangent

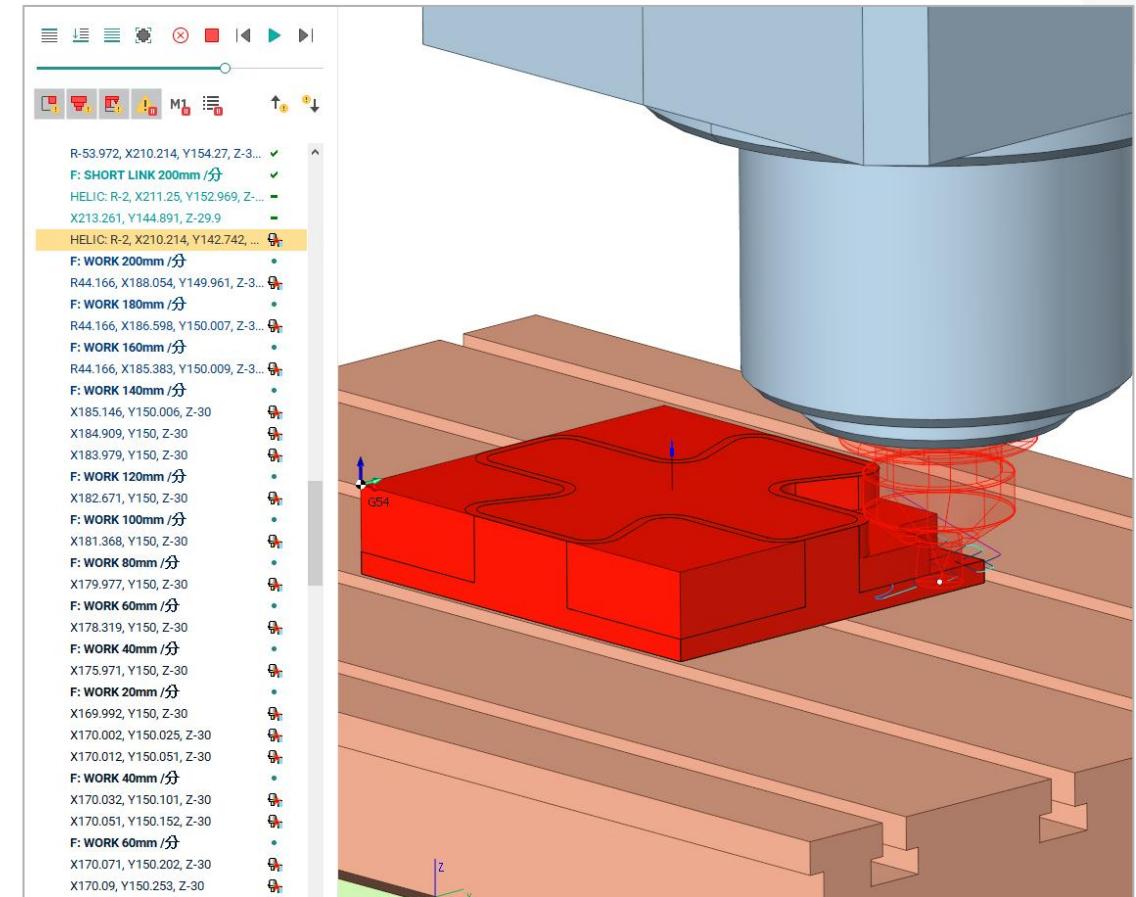
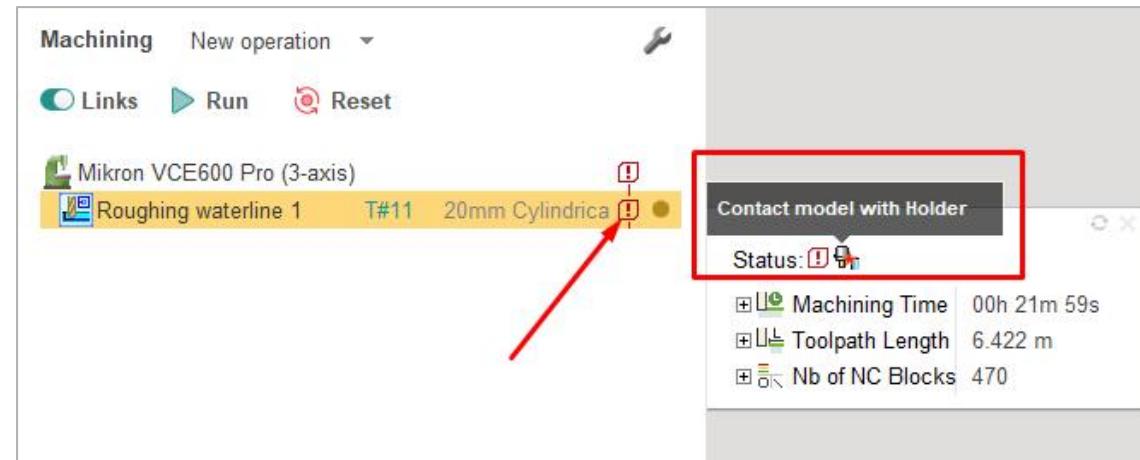


Approach by arc

Collision control

SprutCAM shows errors immediately after toolpath calculation and before the simulation stage

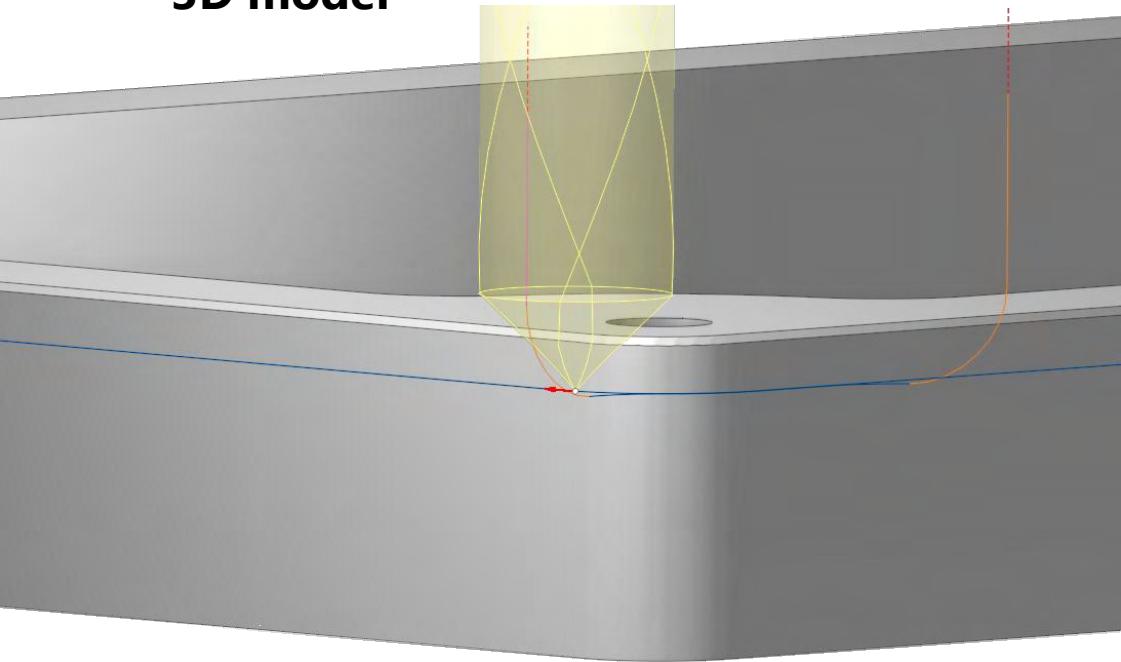
In simulation mode, frames with errors are marked red



Chamfering

Automatic and manual detection of sharp edges.
Adjustable chamfer depth and Tool contact point

You don't need to draw the chamfer on the 3D model



Machining New operation

Links Run Reset

Mikron VCE600 Pro (3-axis)

Face Milling 1	T#170	Ø65 R1 mm Toi	<input checked="" type="checkbox"/>	!
Roughing waterline 1	T#11	20mm Cylindrica	<input checked="" type="checkbox"/>	!
Hole machining 1	T#79	22mm Drill	<input checked="" type="checkbox"/>	!
Roughing waterline 2	T#11	20mm Cylindrica	<input checked="" type="checkbox"/>	!
2D contouring 1	T#7	8mm Cylindrical n	<input checked="" type="checkbox"/>	!
Hole machining 2	T#59	8mm Drill	<input checked="" type="checkbox"/>	!
2D contouring 2	T#7	8mm Cylindrical n	<input checked="" type="checkbox"/>	!
Hole machining 3	T#138	10mm Spot drill	<input checked="" type="checkbox"/>	!
2D contouring 3	T#7	8mm Cylindrical n	<input checked="" type="checkbox"/>	!
Chamfering 1	T#169	10mm Conical	<input checked="" type="checkbox"/>	!

Strategy

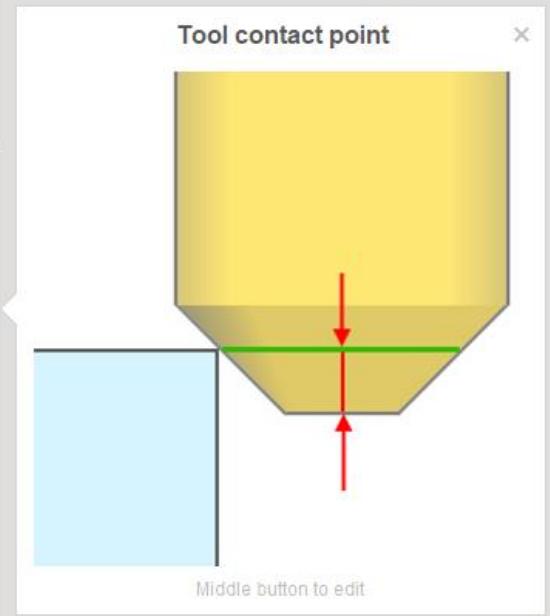
Strategy

- Chamfer Depth: 0.5 mm
- Tool contact point: 2.5 mm
- Overlap: 50% (5 mm)
- SafeDistance: 1 mm

Sorting

Mill mode: Climb

Tool contact point

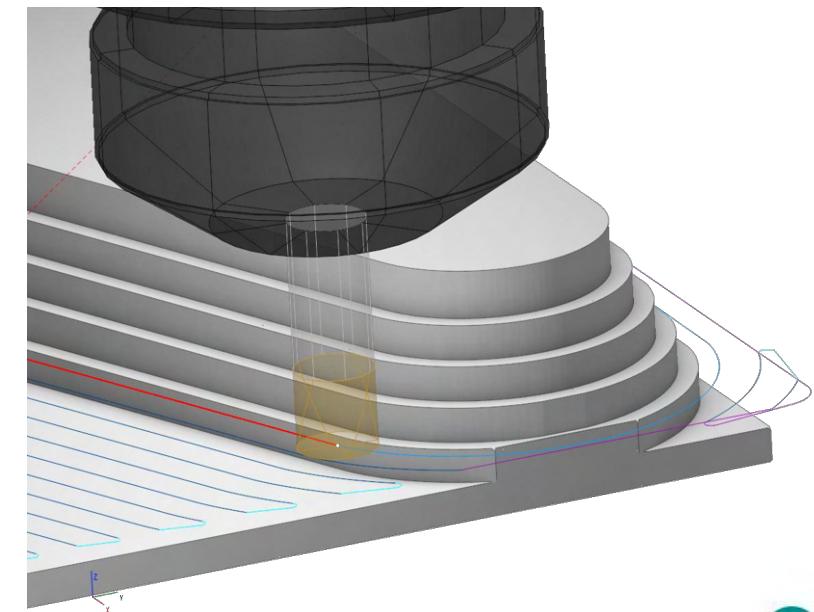
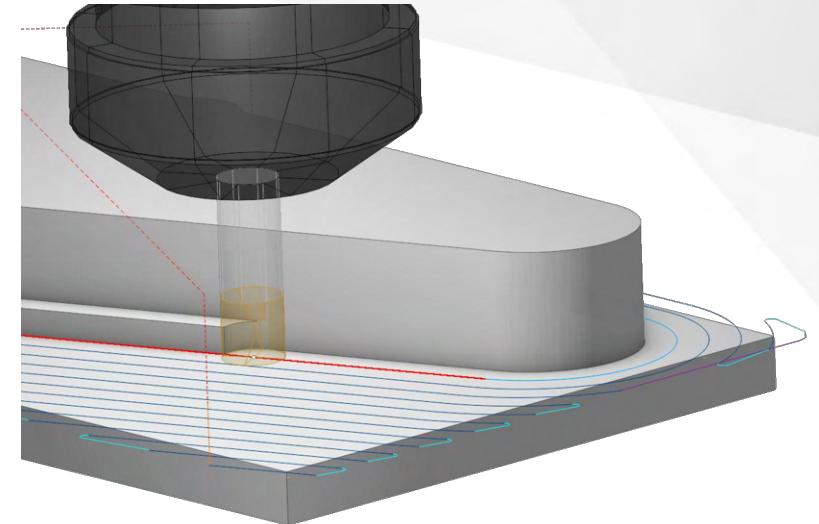
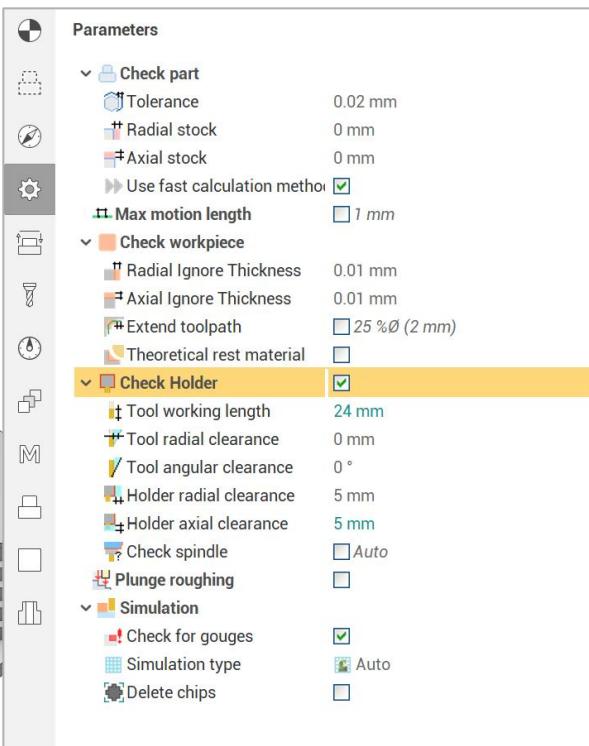
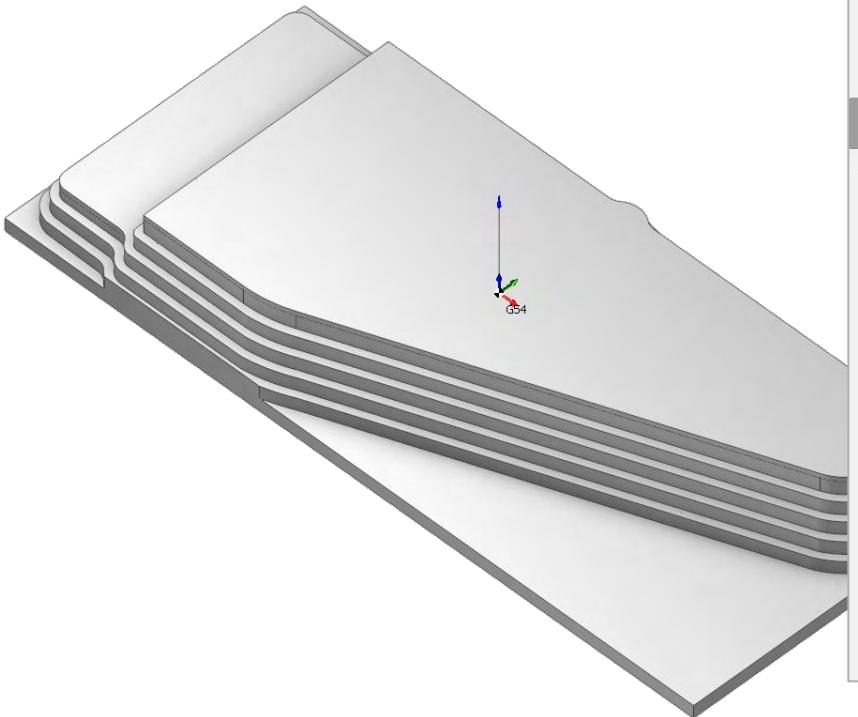


Middle button to edit

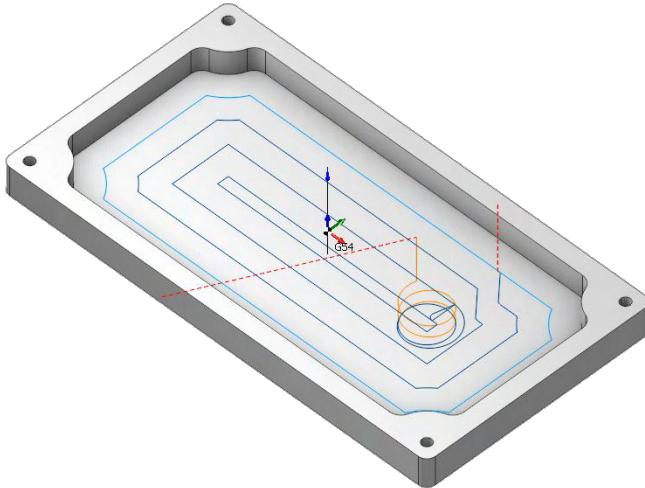


Holder control

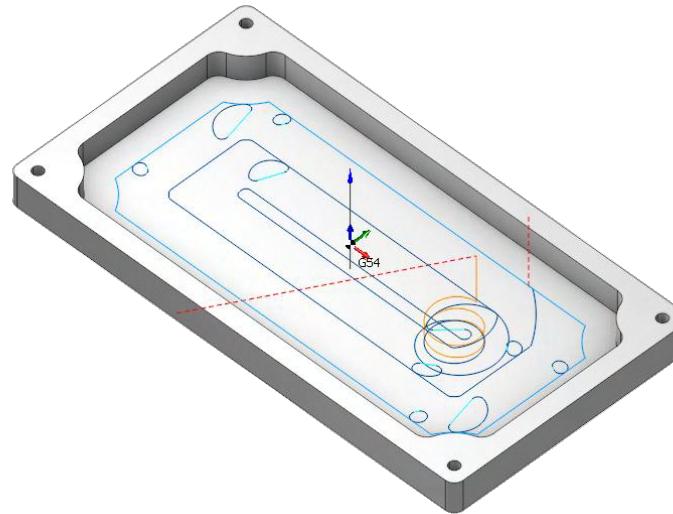
Holder geometry control for collisions with the part
Automatic correction of the toolpath taking into account
holder geometry



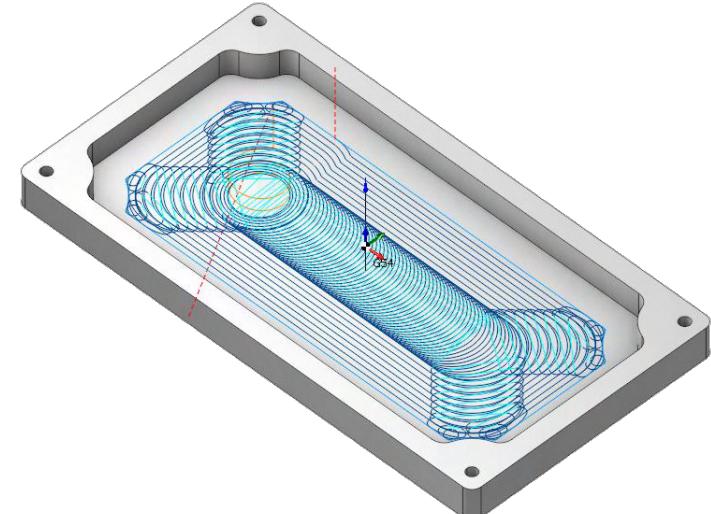
High Speed Cutting strategies



Equidistant strategy
Classic milling strategy



High Speed Machining (HSM)
Contains special arcs for machining of
unmachined pockets



Deep High Speed Cutting (HPC)
Even load on the tool

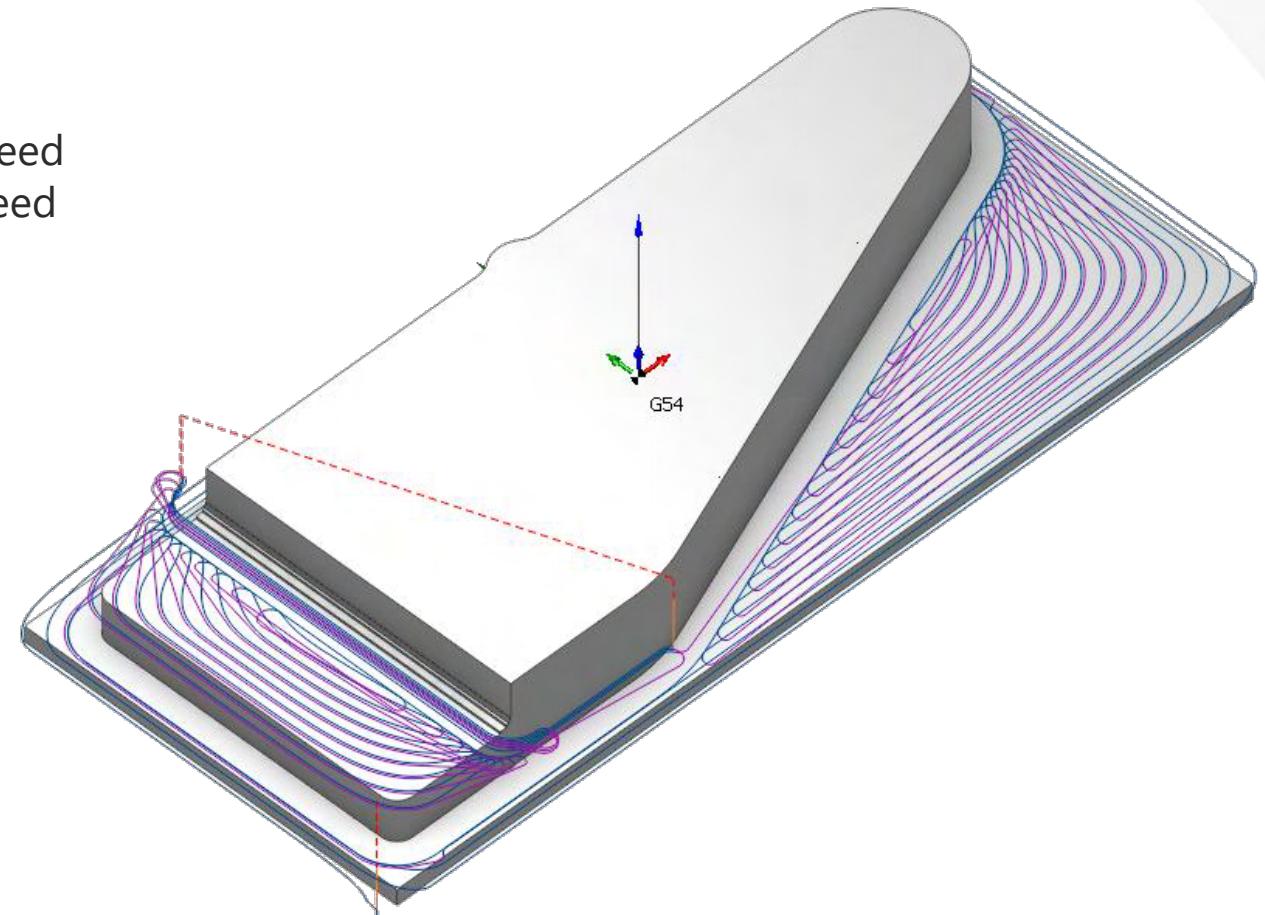


Adaptive Speed Cutting

Adaptive Speed Cutting strategy is used for maximal cutting depth and material removal due to the high speed tool feed and relatively low cutting width with lateral feed ranging from 5 to 30% of the tool diameter

Even load on the tool

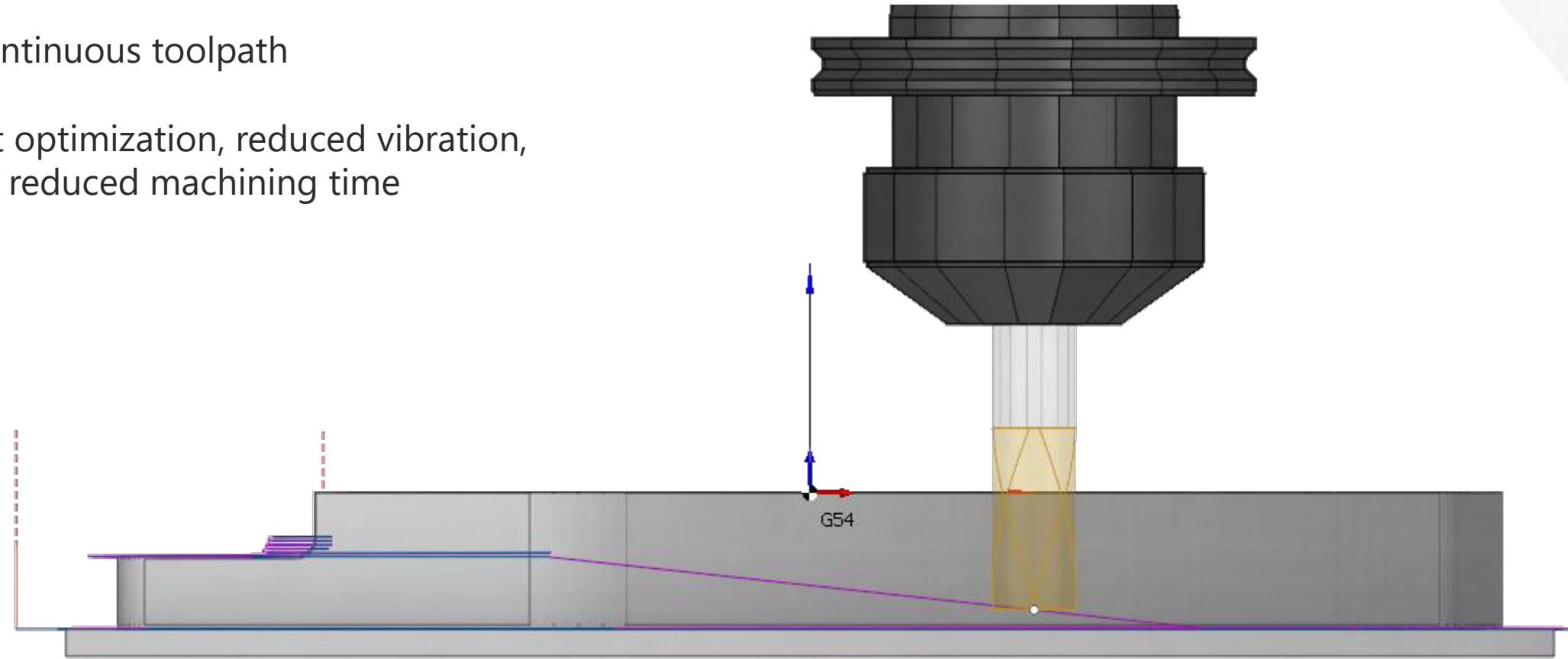
Roughing time reduced by 70%



Adaptive Speed Cutting strategies

Smooth and continuous toolpath

Tool movement optimization, reduced vibration,
longer tool life, reduced machining time



Tool Engage and Retract strategies

Different cutting and tool Engage and Retract strategies

Links/Leads

- Approach/Return
 - Approach C,CH,B;LCS;XY;Z
 - Return Z;XY;LCS
- Tool change position From Previous

Safe motions

- Safe level 10 mm from the part
- Approximate safe motions 10 ° when needed
- Advanced axes limits control

Links

- Go up if farther 500 mm
- Short link max distance 300 %Ø (90 mm)
- Back-off distance 1 %Ø (0.3 mm)

Leads

- Safe distance 5 %Ø (1.5 mm)
- Feed switch level 100 %Ø (30 mm)

Engage

- Length Off
- Retract By Tangent
- Length By Normal
- Length By Tangent
- Line By Line
- Arc By Arc

Plunges

- Plunge angle 50 %Ø (15 mm)
- Min size 90 %Ø (27 mm)
- Max size 2 mm
- Degression Smooth radius 2 mm

Links/Leads

- Approach/Return
 - Approach XY;Z
 - Return Z;XY
- Tool change position From Previous

Safe motions

- Safe level 10 mm from the part
- Approximate safe motions 10 ° when needed
- Advanced axes limits control

Links

- Go up if farther 500 mm
- Short link max distance 300 %Ø (60 mm)
- Back-off distance 1 %Ø (0.2 mm)

Leads

- Safe distance 5 %Ø (1 mm)
- Feed switch level 100 %Ø (20 mm)

Engage

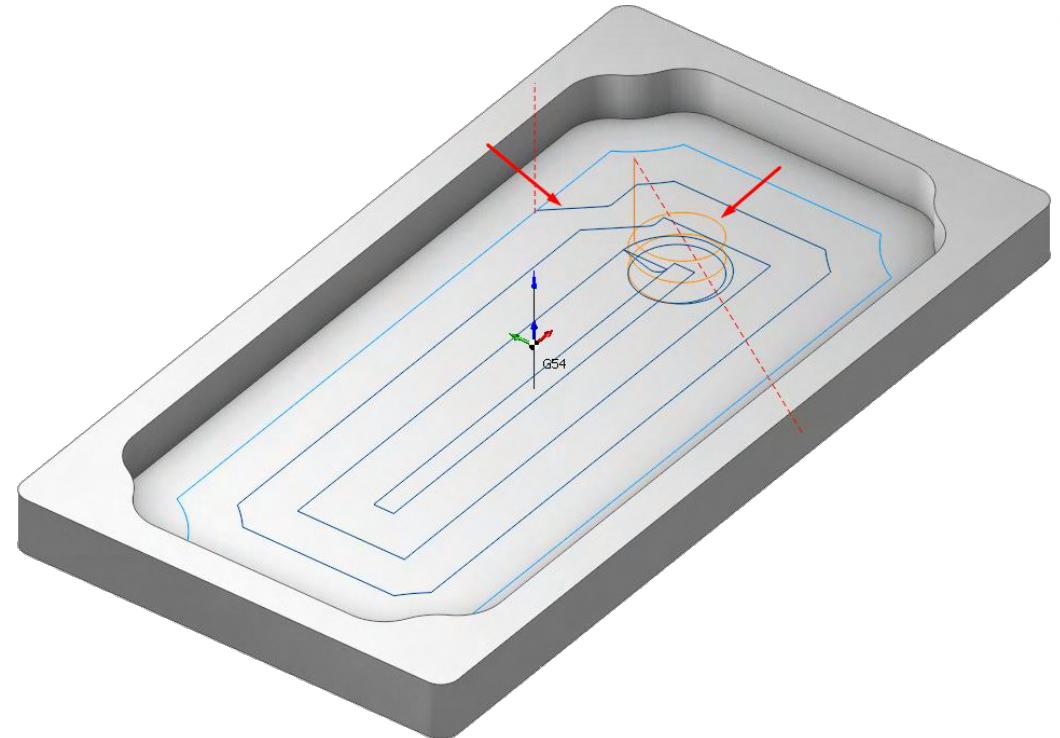
- Length By Tangent
- Length 60 %Ø (12 mm)

Retract

- Length By Tangent
- Length 60 %Ø (12 mm)

Plunges

- Plunge angle 5 °
- Min size 50 %Ø (10 mm)
- Max size 90 %Ø (18 mm)
- Degression 2 mm
- Smooth radius 2 mm



Adaptive feed

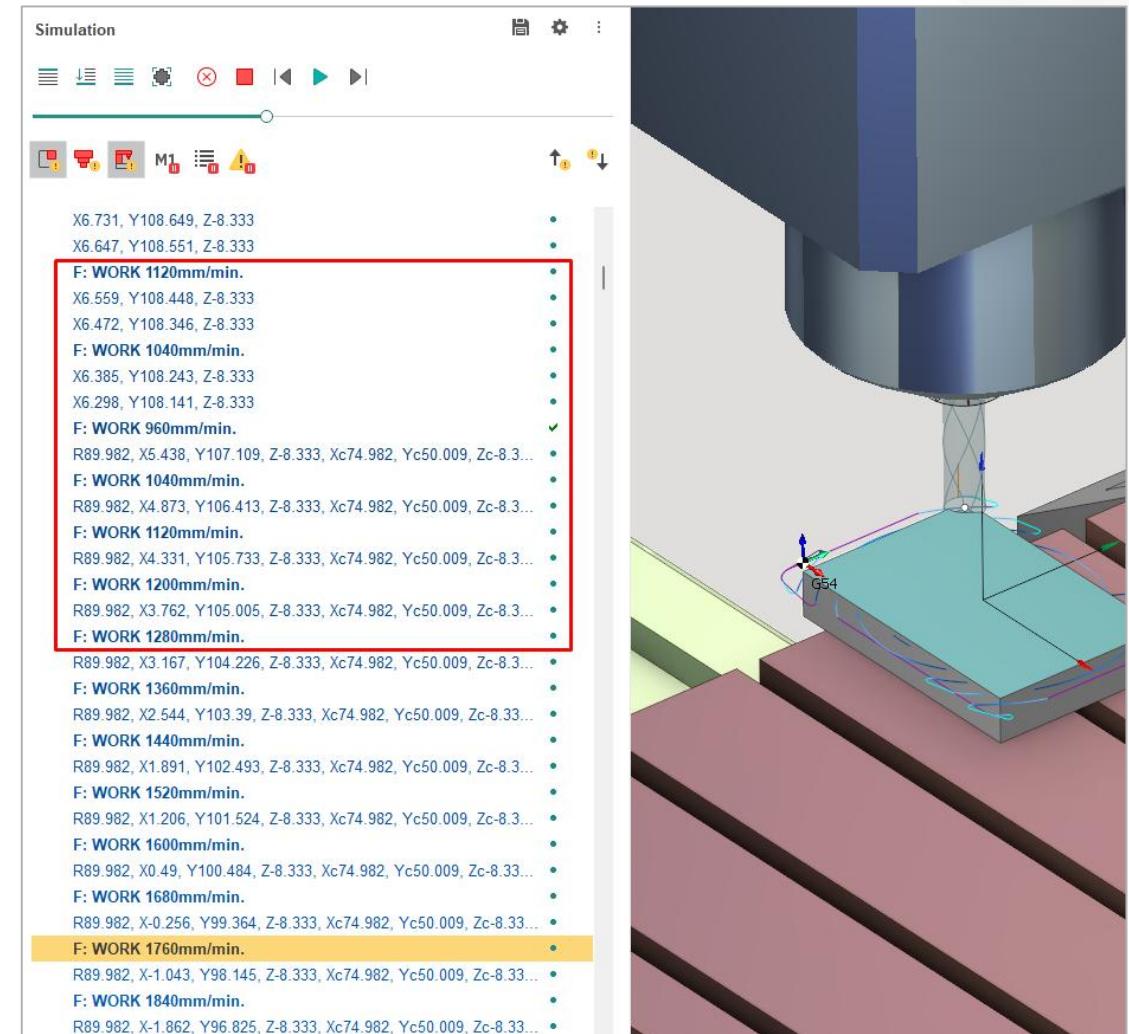
Reduces Full Cut Feed

Feed change control

Reduces tool runout

Feeds/Speeds T#11: 20mm Cylindrical mill

Spindle	2500 rev/min
Coolant	(Flood)
Rapid feed	10000 mm/min
Work feed	800 mm/min
Engage feed	100 %
Retract feed	100 %
Short link feed	100 %
Long link feed	300 %
First feed	100 %
Finish feed	100 %
Plunge feed	100 %
Approach feed	100 %
Approach from safe	Rapid
Return to safe surface	Rapid
Transition on safe feed	Rapid
Adaptive feedrate	<input checked="" type="checkbox"/>
Full Cut Feed	10 %
No Cut Feed	100 %
Feed Increment	10 %
Mark overloads	<input type="checkbox"/> 50 %



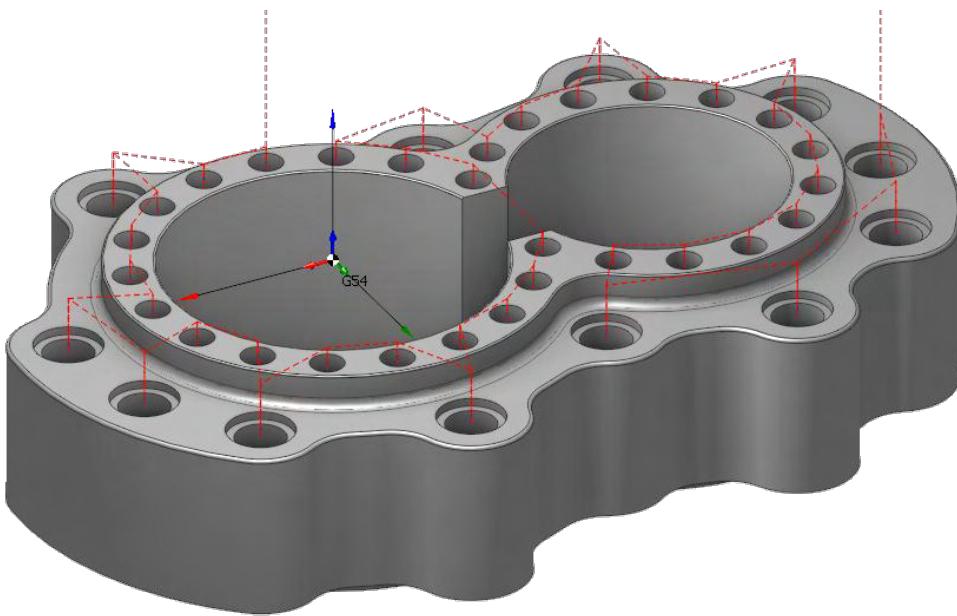
Holes machining

Automatic hole detection

Automatic tool selection

Safe tool approaches

All possible machining cycles available



Holes recognition

Search options

Through holes Blind holes Others

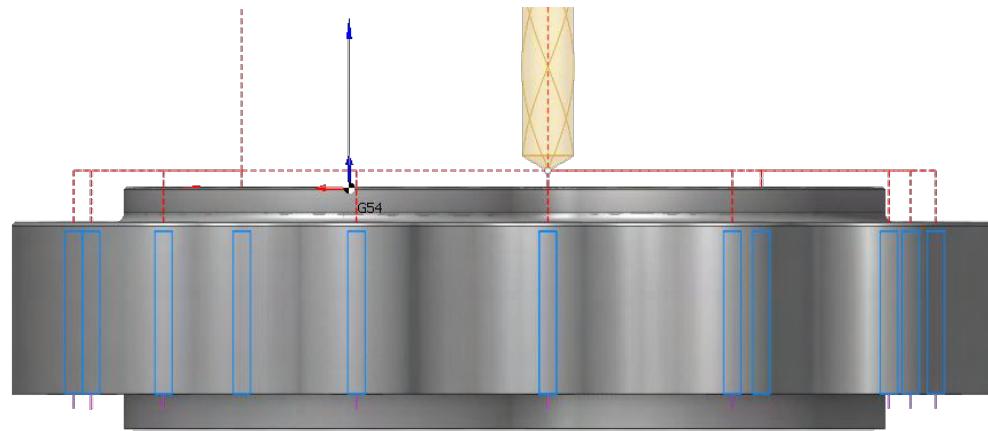
Dmin: 4 Dmax: 20 Tolerance: 0.02

[Xc, Yc] Zmax H Zmin

29 Holes found

	Xc	Yc	Zc	D	H	Zmax	Zmin	Plane
<input checked="" type="checkbox"/>	-110.915	41.863	-138.902	20.000	138.902	138.902	0.000	X0.000, Y0.000, Z1
<input checked="" type="checkbox"/>	114.976	2.352	-138.902	20.000	138.902	138.902	0.000	X0.000, Y0.000, Z1
<input checked="" type="checkbox"/>	-139.280	73.062	-138.902	20.000	138.902	138.902	0.000	X0.000, Y0.000, Z1
<input checked="" type="checkbox"/>	89.767	-71.881	-138.902	20.000	138.902	138.902	0.000	X0.000, Y0.000, Z1
<input checked="" type="checkbox"/>	-174.445	91.498	-138.902	20.000	138.902	138.902	0.000	X0.000, Y0.000, Z1
<input checked="" type="checkbox"/>	107.289	41.401	-138.902	20.000	138.902	138.902	0.000	X0.000, Y0.000, Z1
<input checked="" type="checkbox"/>	-214.075	93.952	-138.902	20.000	138.902	138.902	0.000	X0.000, Y0.000, Z1
<input checked="" type="checkbox"/>	59.891	-98.174	-138.902	20.000	138.902	138.902	0.000	X0.000, Y0.000, Z1

Ok Cancel Help

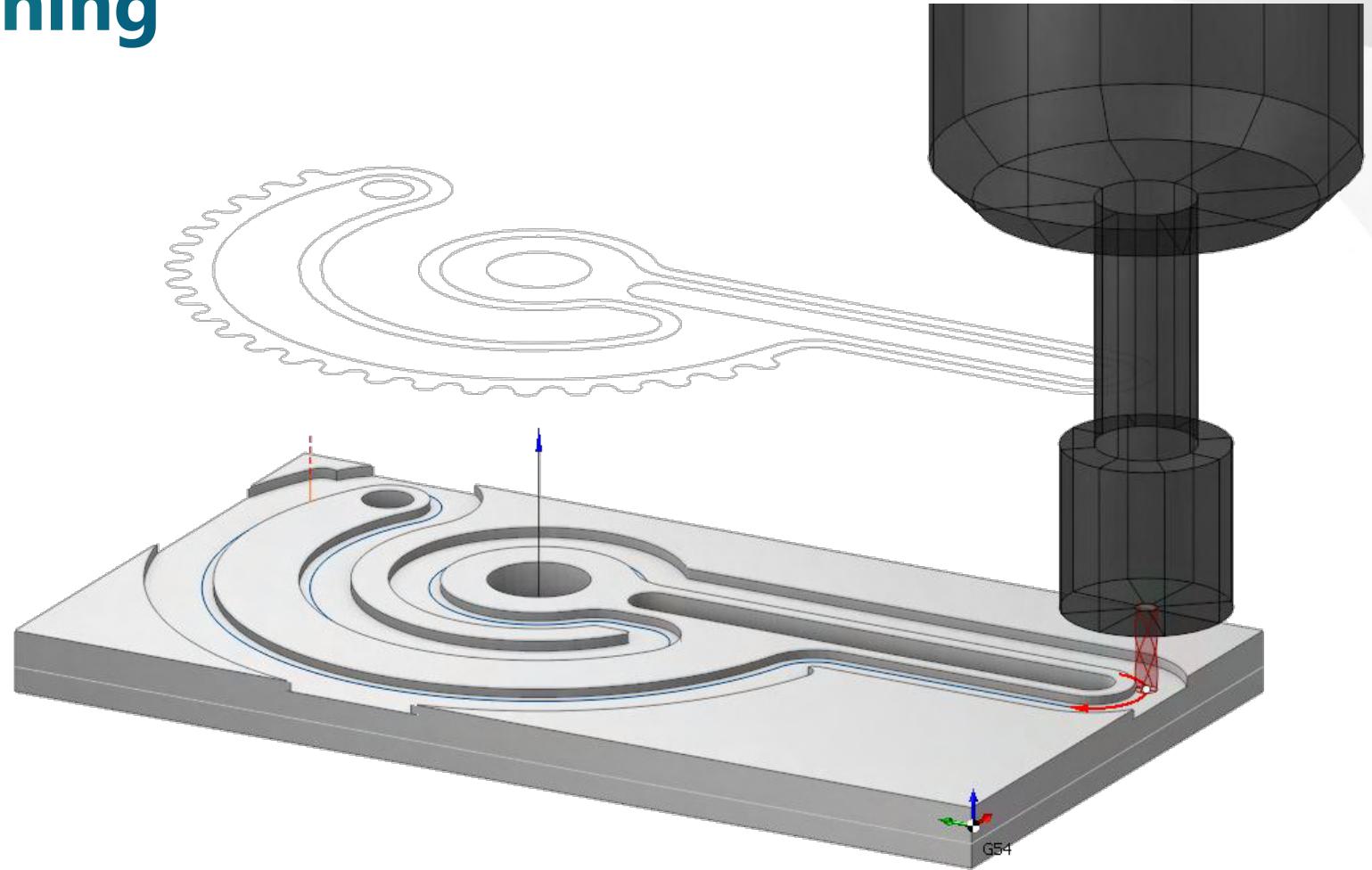


2D geometry machining

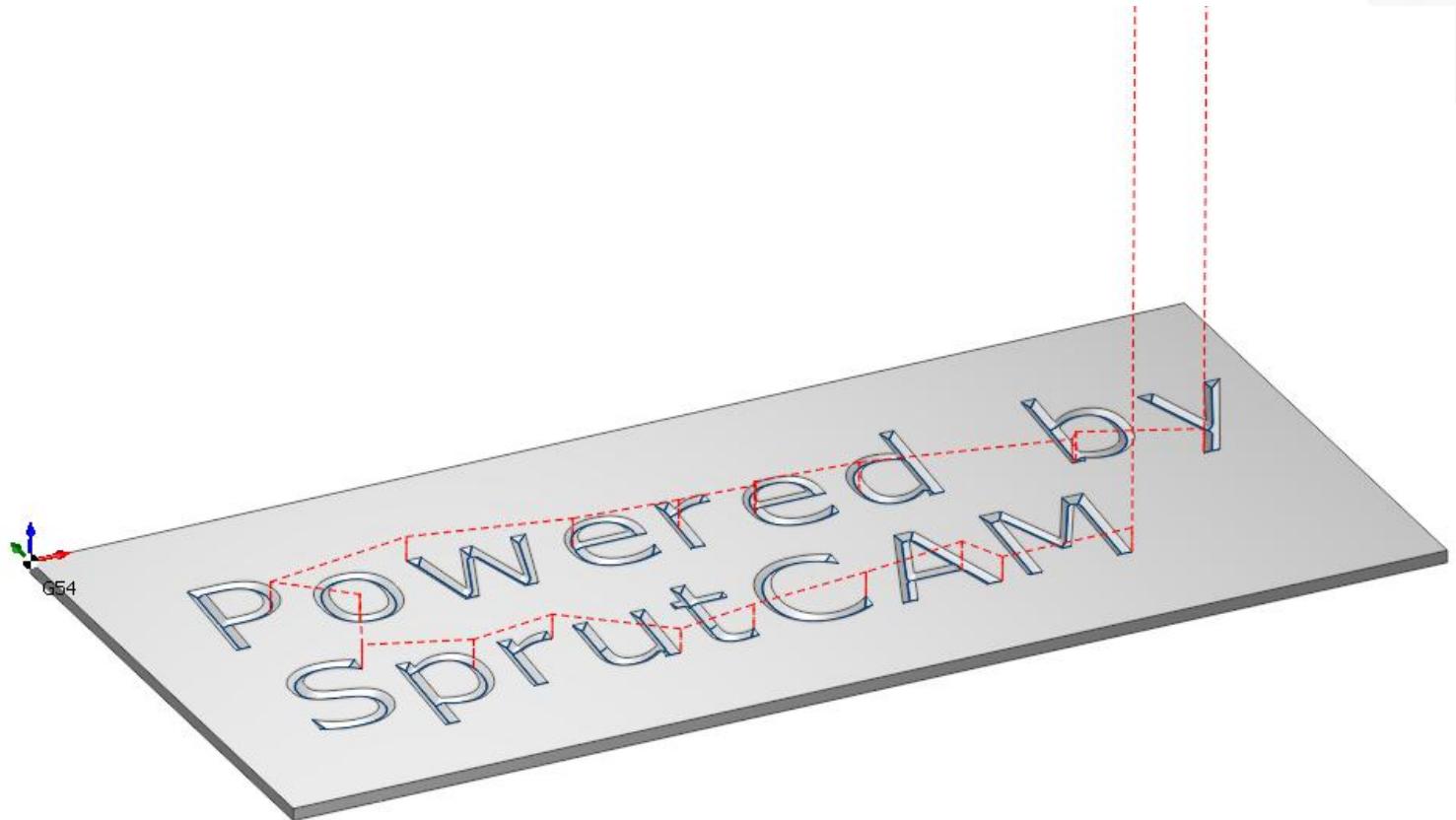
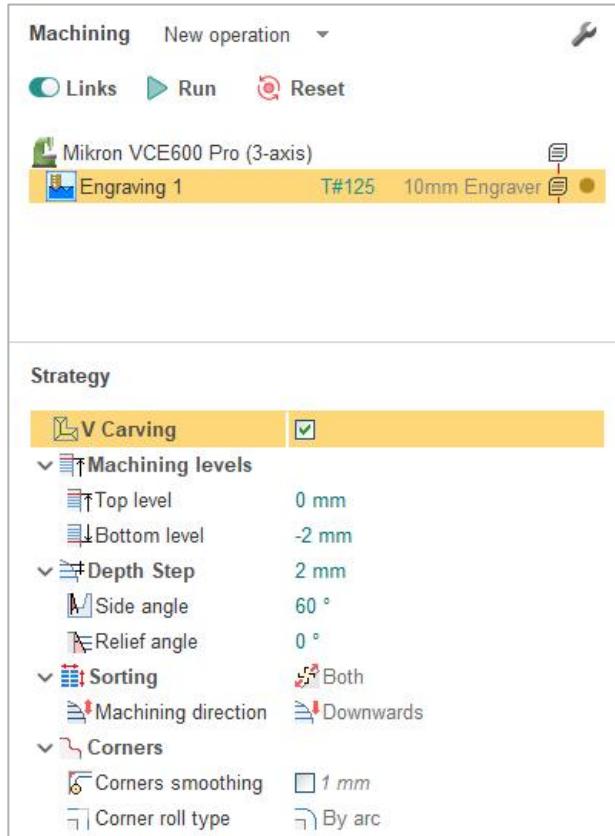
DXF file import

2D editor for geometry creation in SprutCAM

3D machining simulation taking into account the workpiece and part



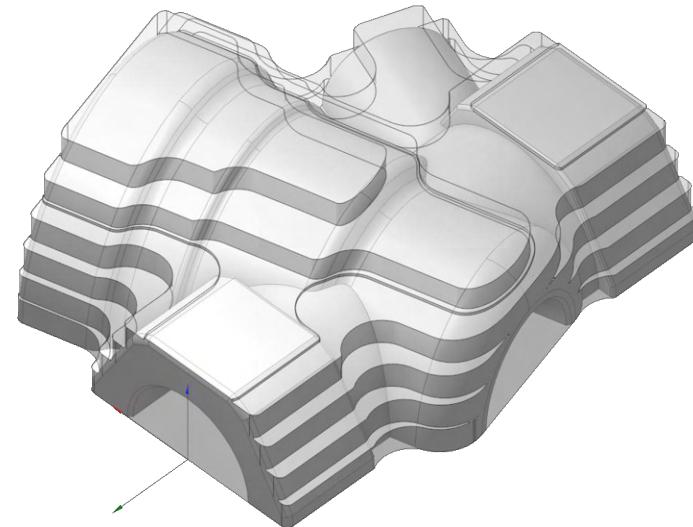
Engraving



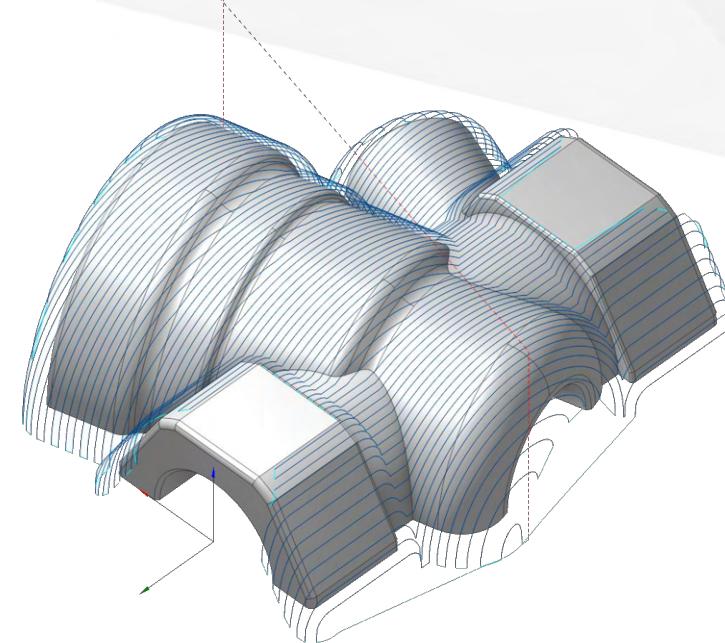
Finishing operations

Rest material automatic detection

Toolpath calculated taking into account rest material



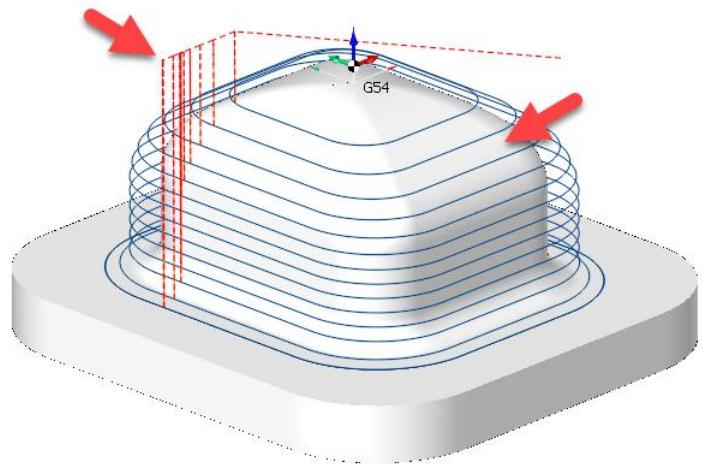
Roughing



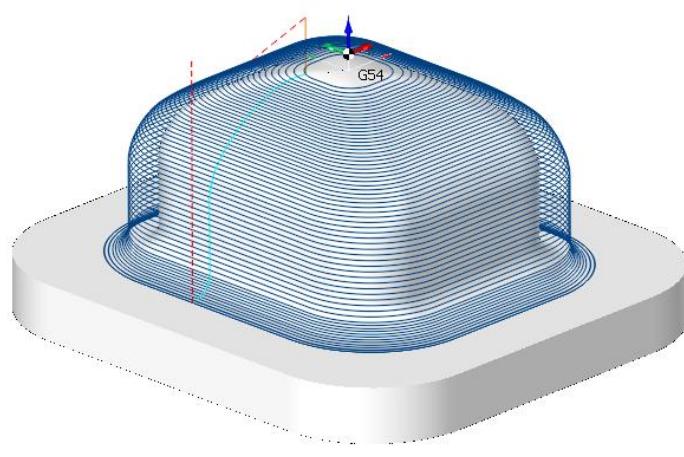
Finishing



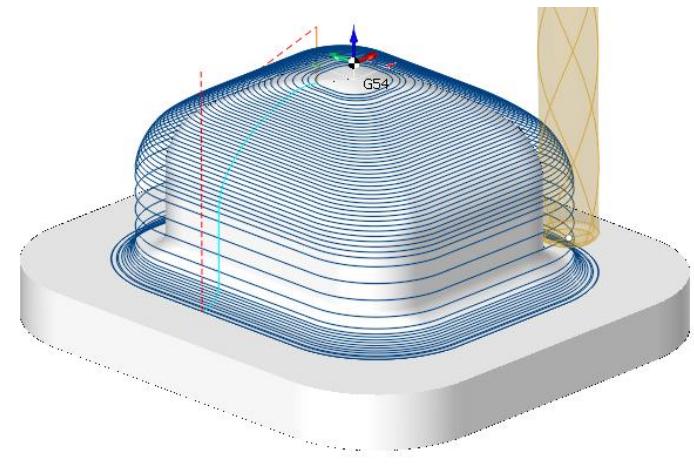
Optimized operation



Classic strategy



Continuous strategy

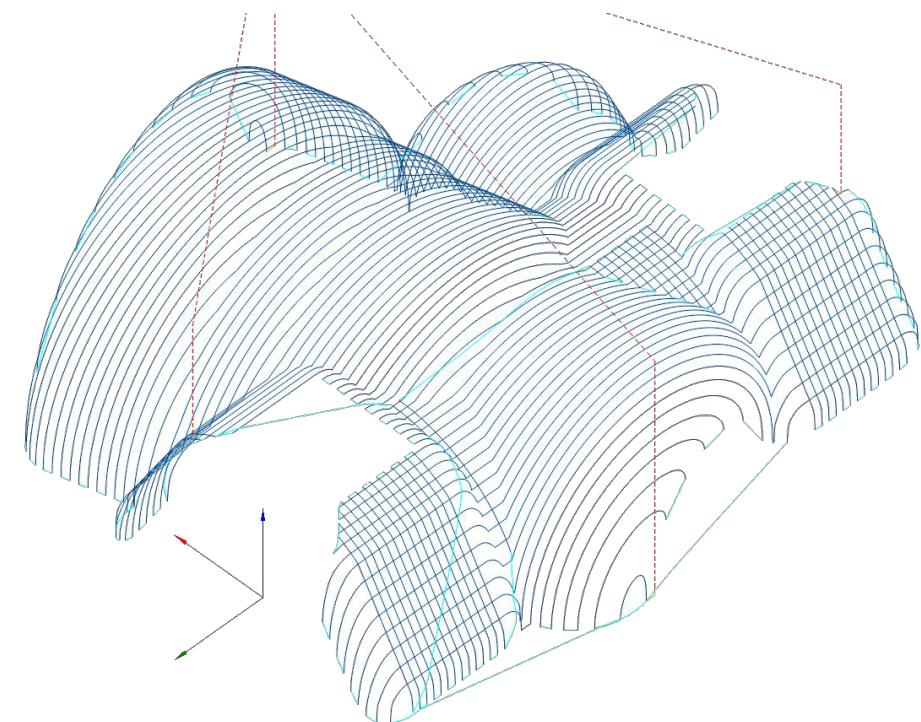
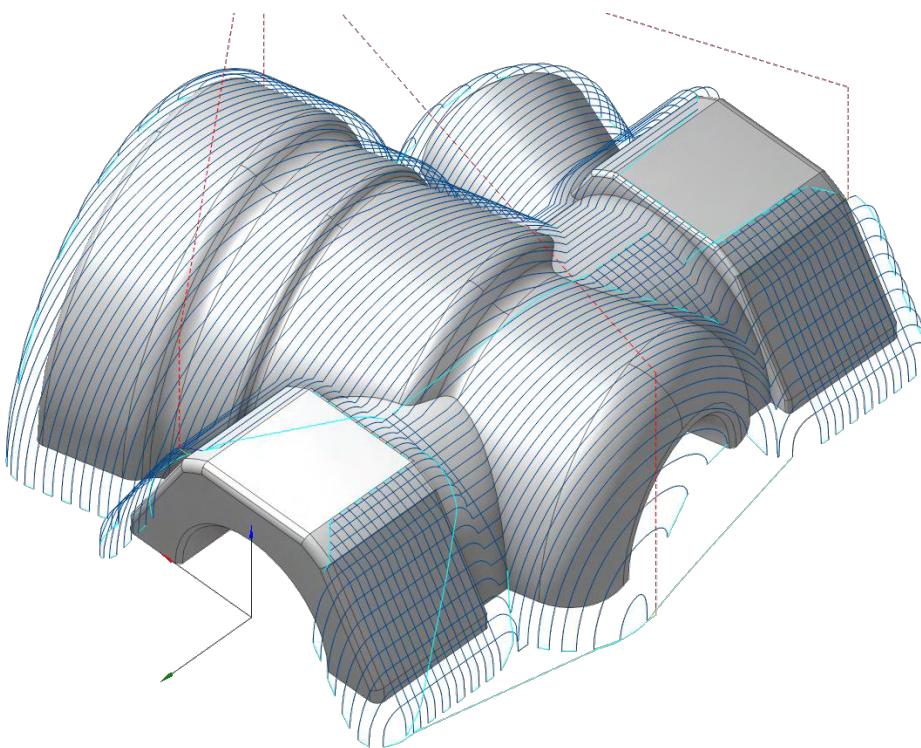


Optimized strategy

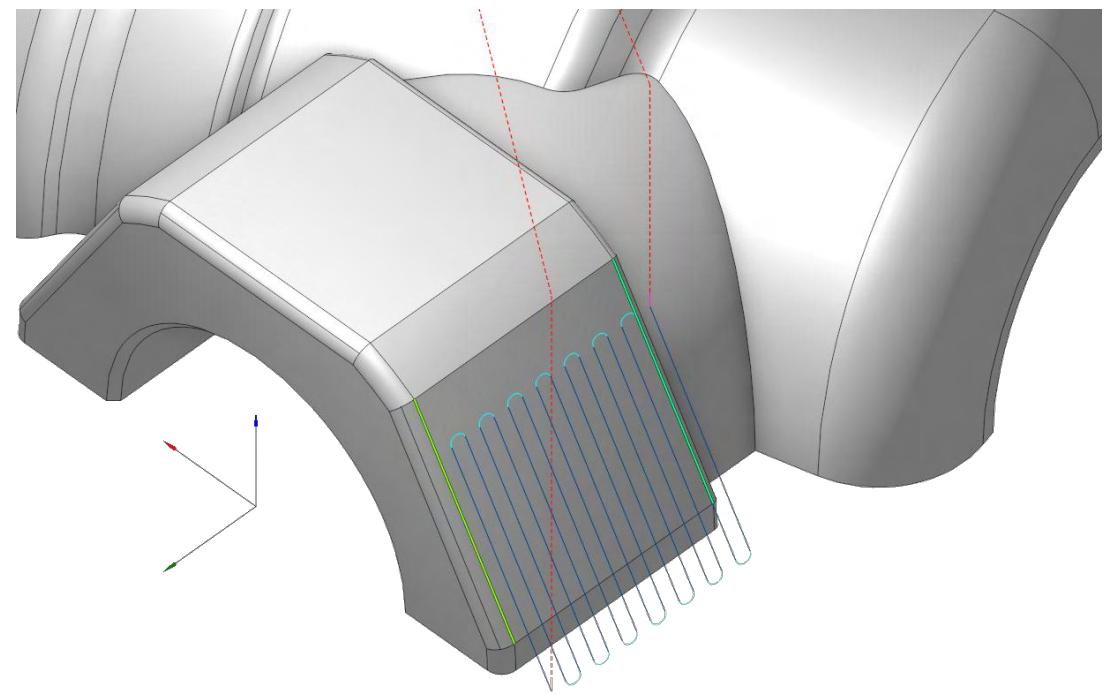
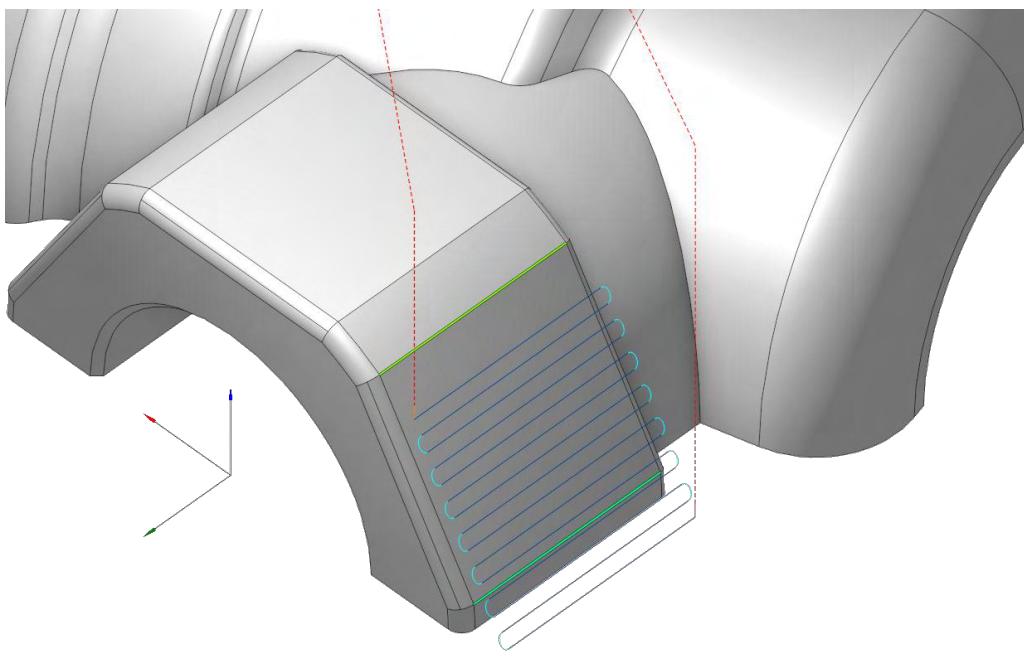


Complex operation

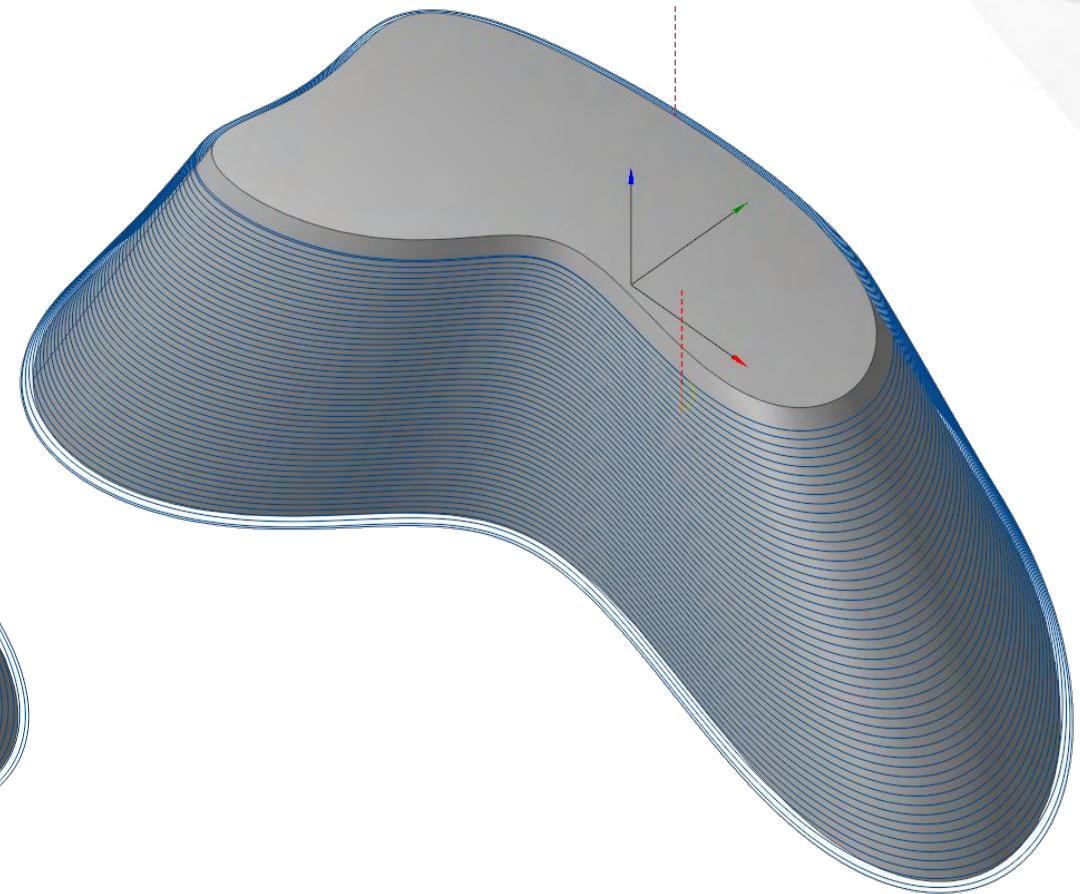
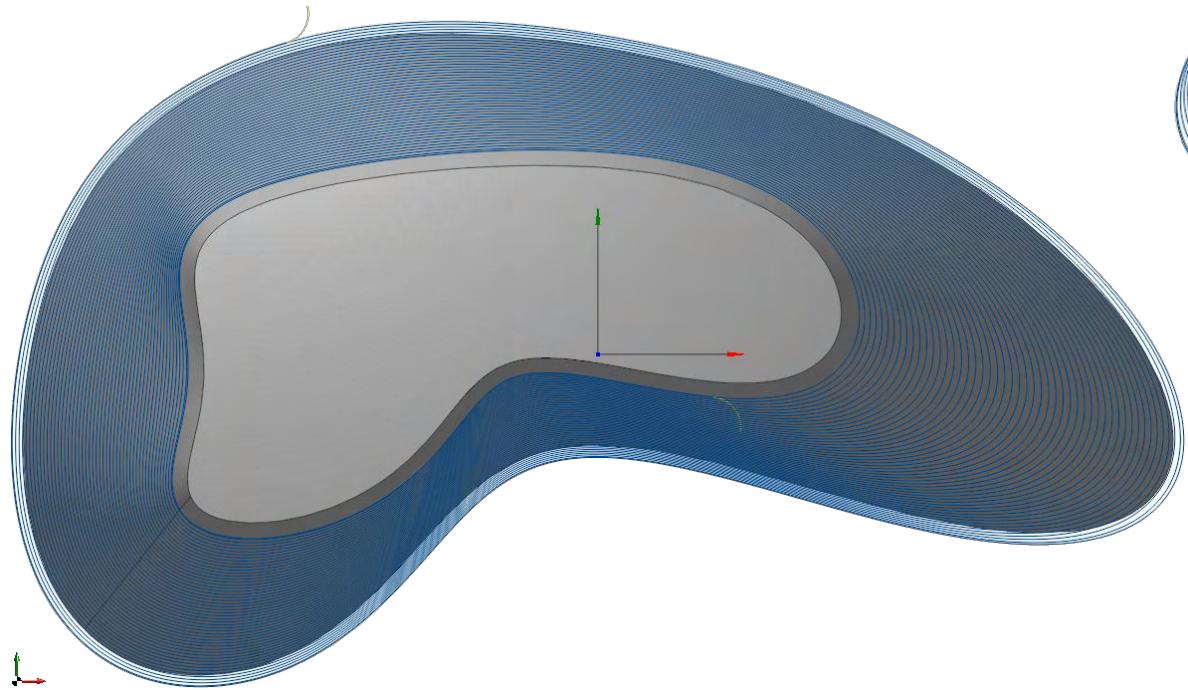
In one operation, toolpath direction varies depending on machining surface



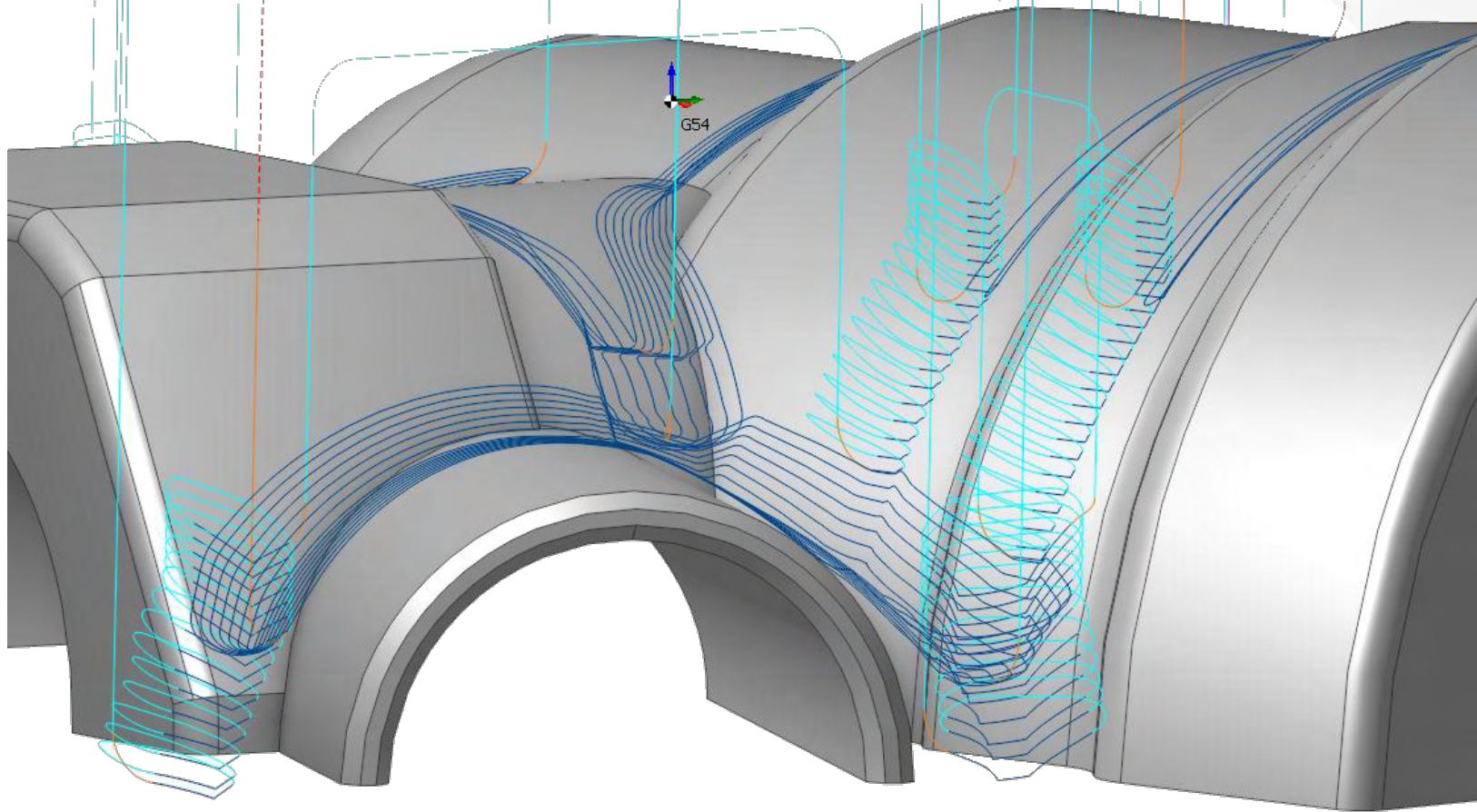
Morphing between 2 curves



3D Helical



Corners cleanup

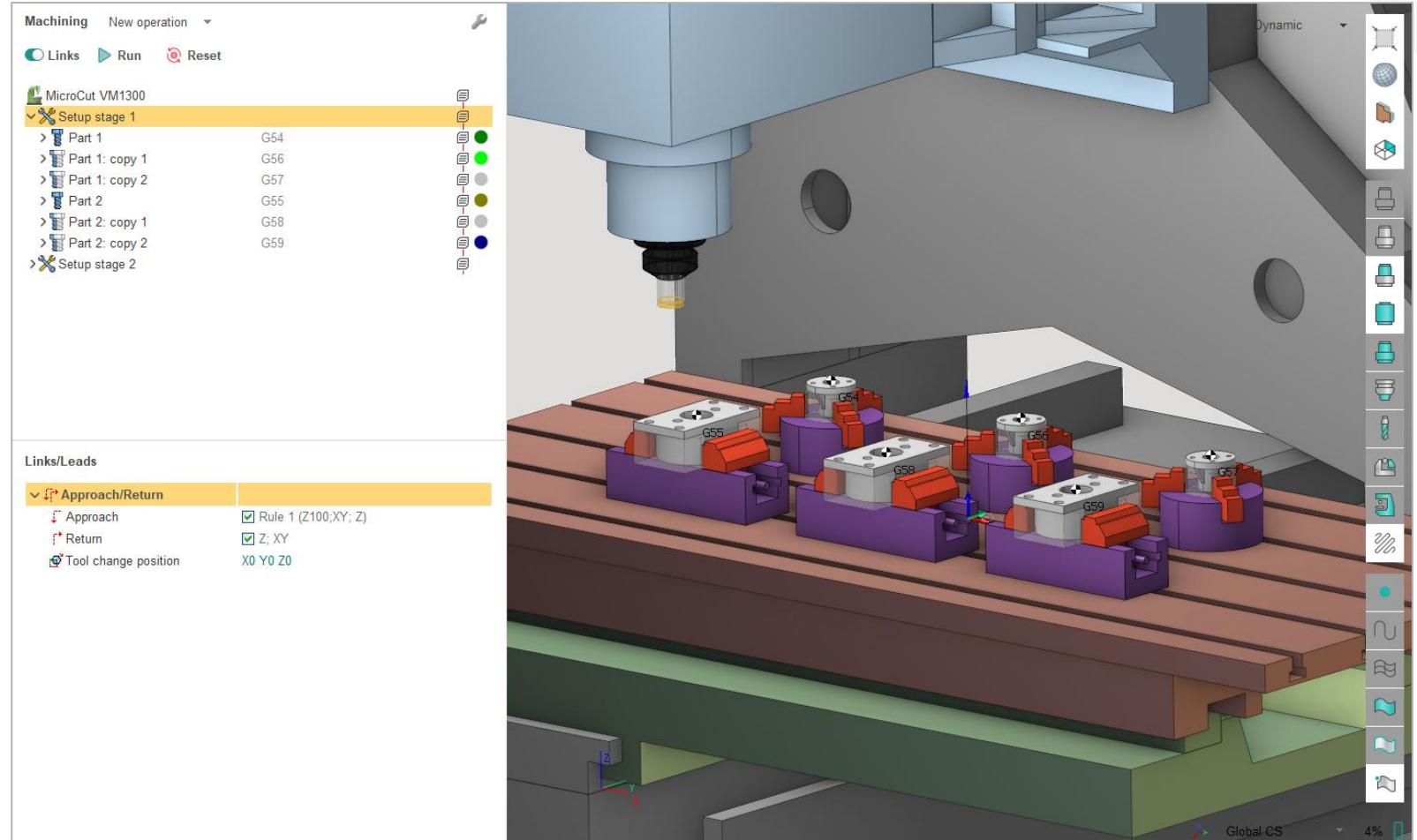


Multipart projects

Multiple part machining
in one project

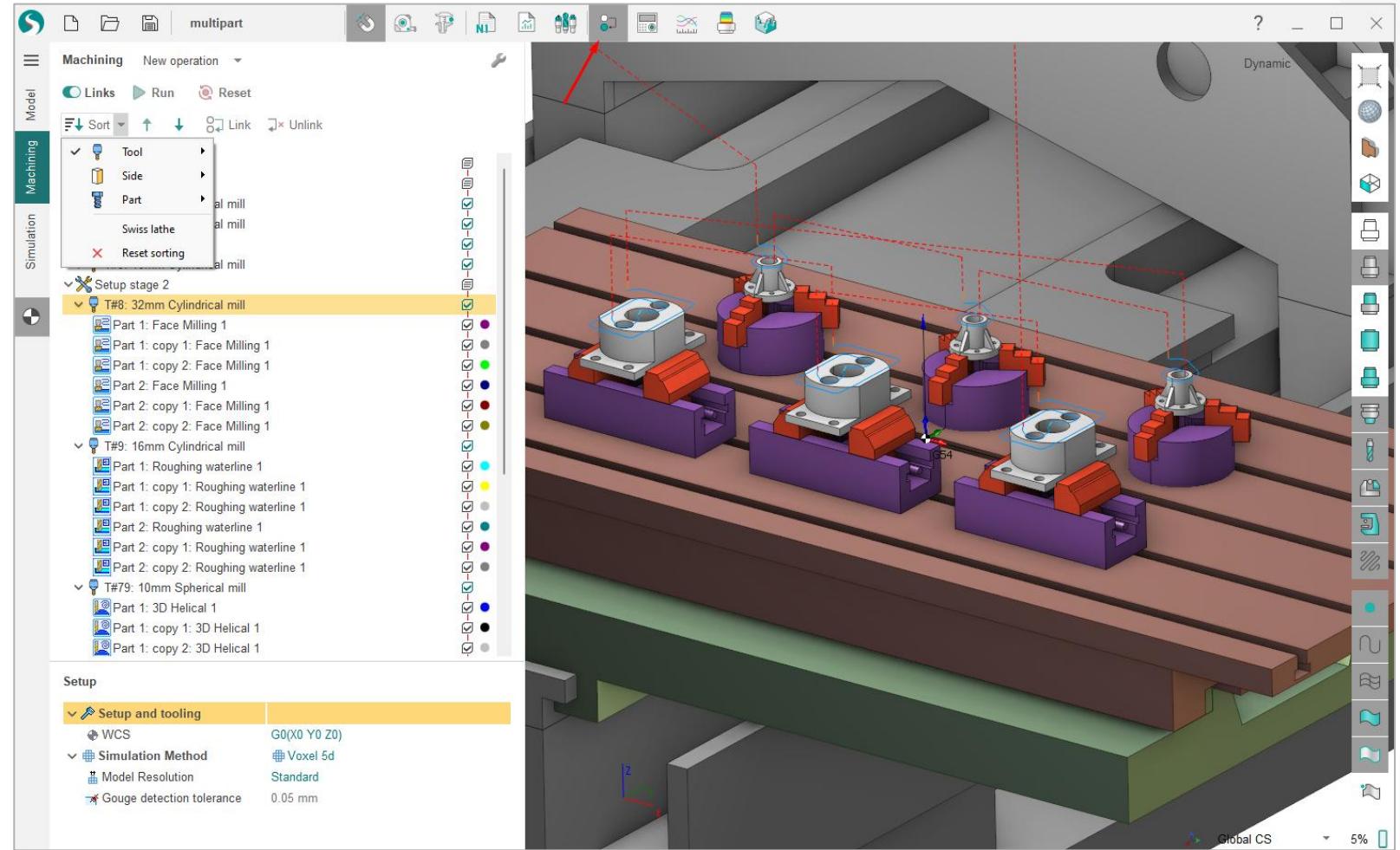
Every part has its own
coordinate system

Copying of parts
including operations

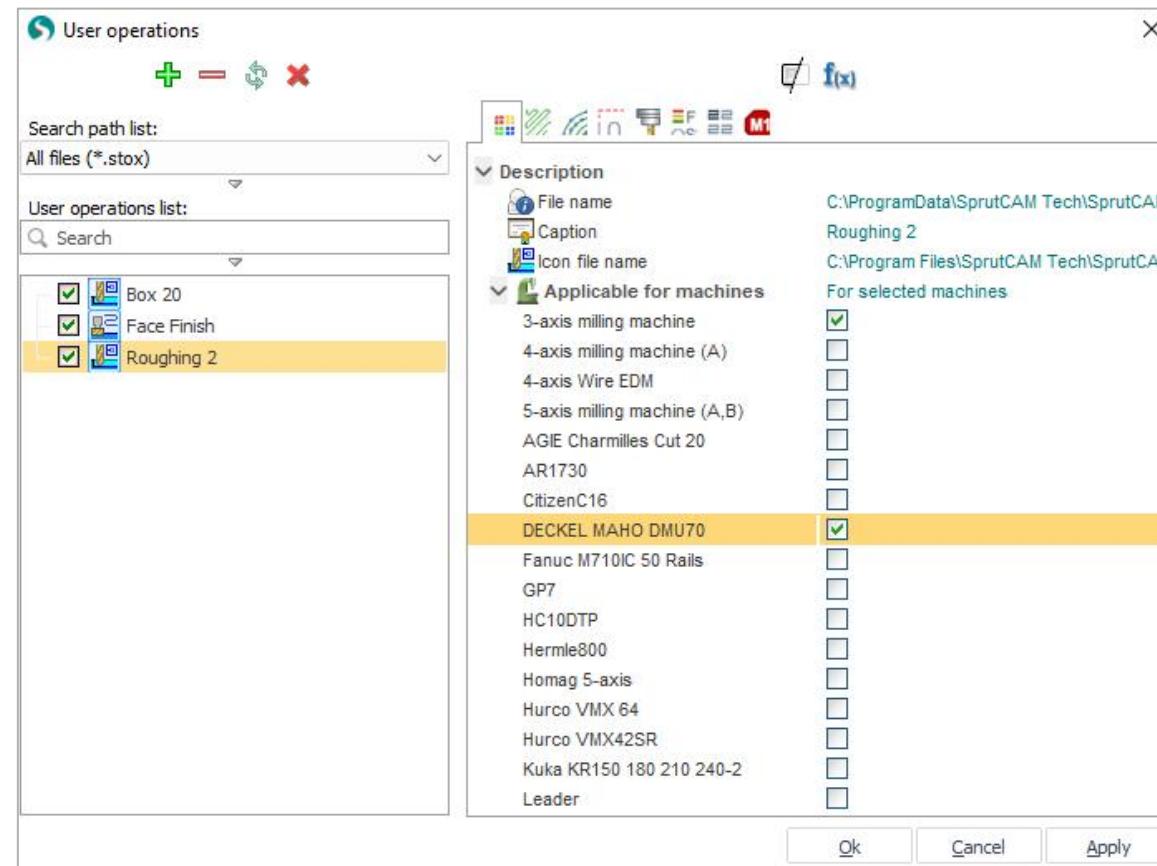
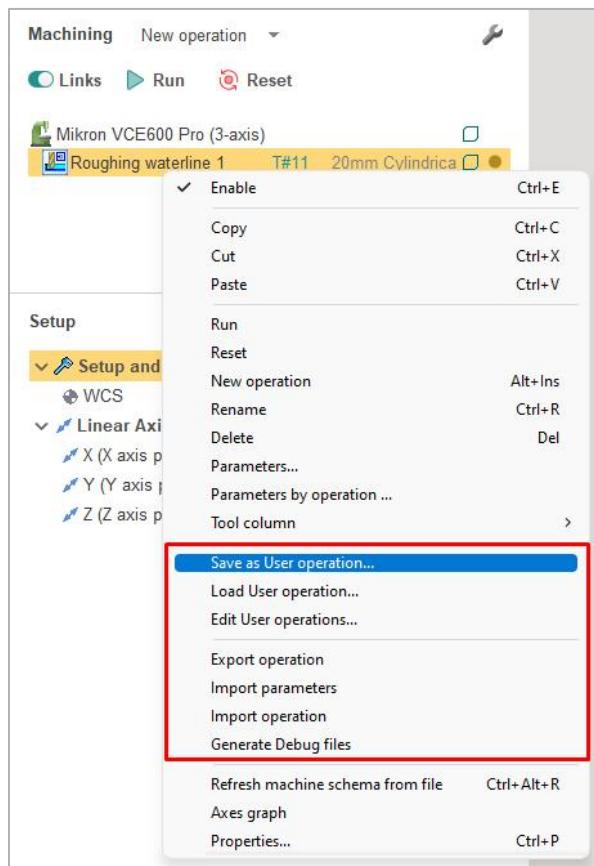


Sequencing and Links

Automatically sorting operations by Tool, Side, Part



User operations library



Machining report templates

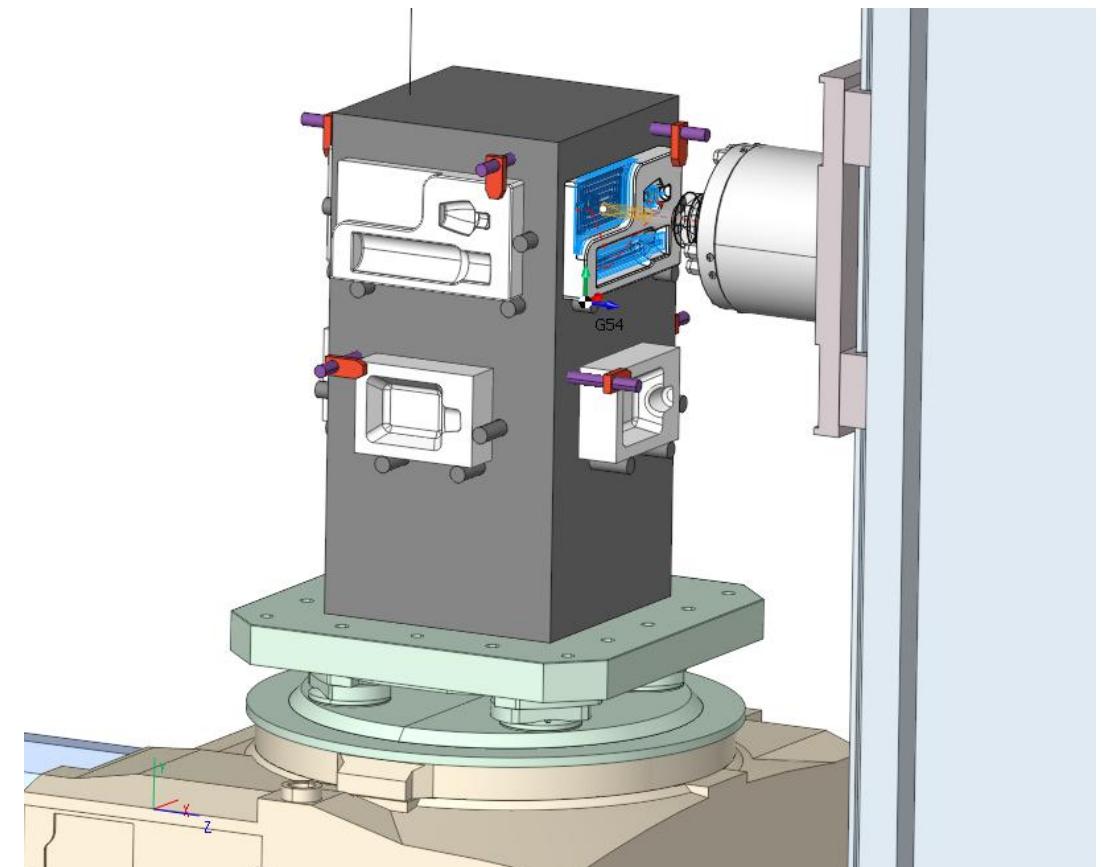
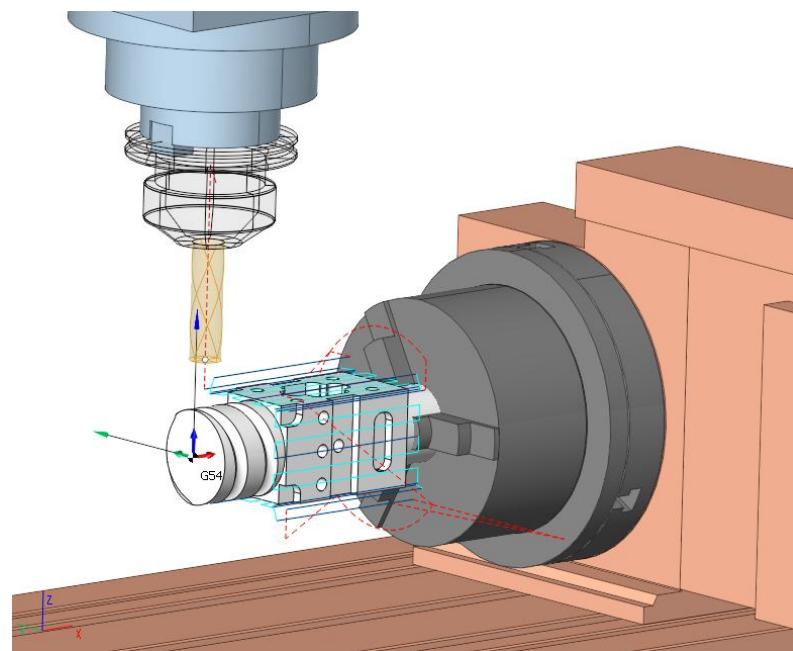
Mikron VCE600 Pro (3-axis)						Generated by SprutCAM X® version 16										
NC name:C:\Users\sever\Documents\SprutCAM Project\Project C\Users\Public\Documents\SprutCAM NB Version 16\NB Version 16\NC Programs\NoName.mprj						Project C:\Users\Public\Documents\SprutCAM NB Version 16\Projects\part2.stc										
Job list																
N	Operation name	Type	N Tool	NC Program	Time hh:mm:ss	Comment										
1	Face Milling 1	Face Milling	170		00:05:32	Overhang=172;										
2	Roughing waterline 1	Roughing waterline	11		00:45:03	Overhang=70;										
3	Hole machining 1	Hole machining	79		00:00:30	Overhang=100;										
4	Roughing waterline 2	Roughing waterline	11		00:09:39	Overhang=70;										
5	2D contouring 1	2D contouring	7		00:01:50	Overhang=50;										
6	Hole machining 2	Hole machining	59		00:00:31	Overhang=136;										
7	2D contouring 2	2D contouring	7		00:02:32	Overhang=50;										
8	Hole machining 3	Hole machining	138		00:00:43	Overhang=70;										
9	2D contouring 3	2D contouring	7		00:01:17	Overhang=50;										
10	Chamfering 1	Chamfering	169		00:02:23	Overhang=60;										
Total time:				01:10:05												
Tools table																
N	Type	Name	Prog. prnt.	Operations	The sketch											
170	Torus mill (L72, D65, Rcl)	Ø65 R1 mm Torus mill	end of tool	1												
11	Cylindrical mill (L70, D20)	20mm Cylindrical mill	end of tool	2, 4												
79	Drill (L100, D22, A118)	22mm Drill	end of tool	3												

						Mill report					

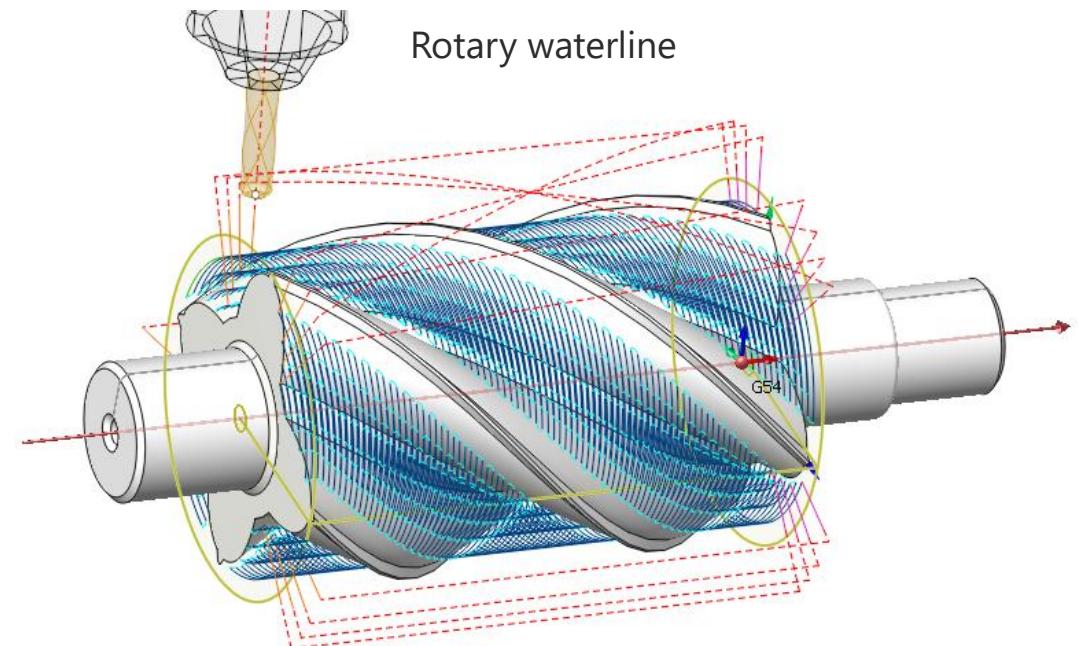
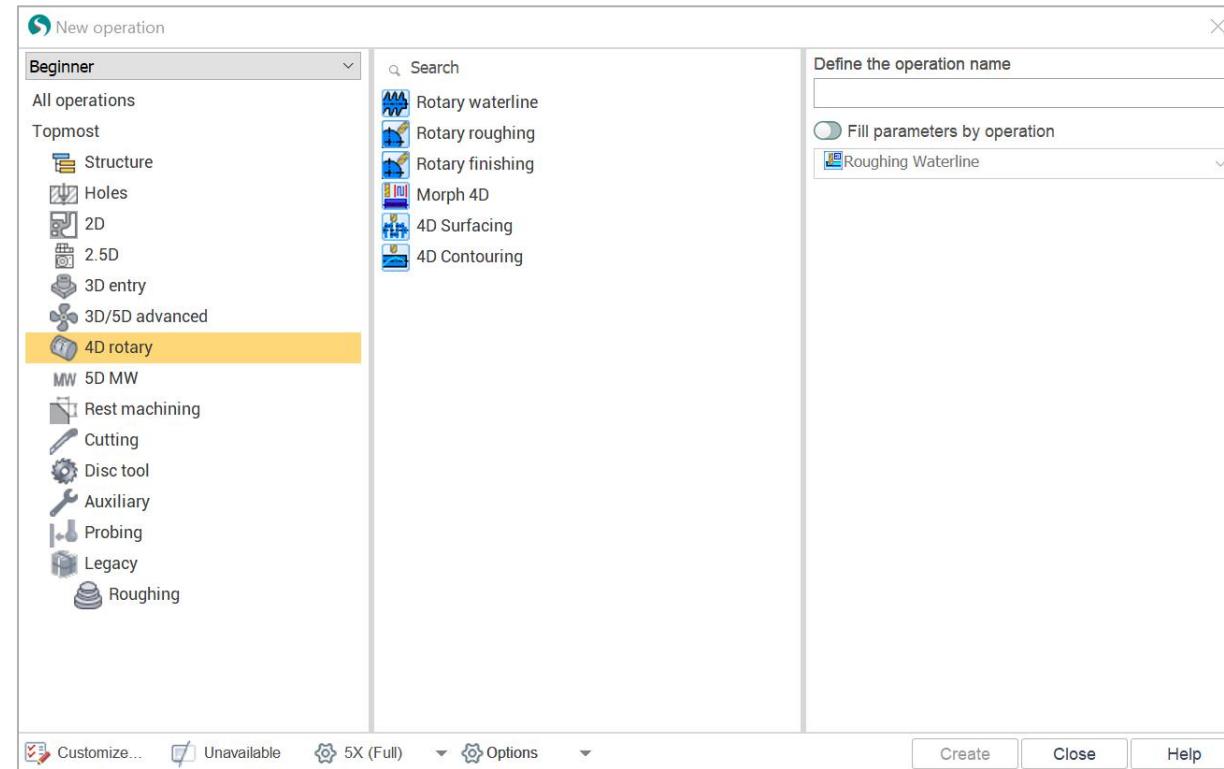
4-axis index machining

All possible operations for 3-axis machining available

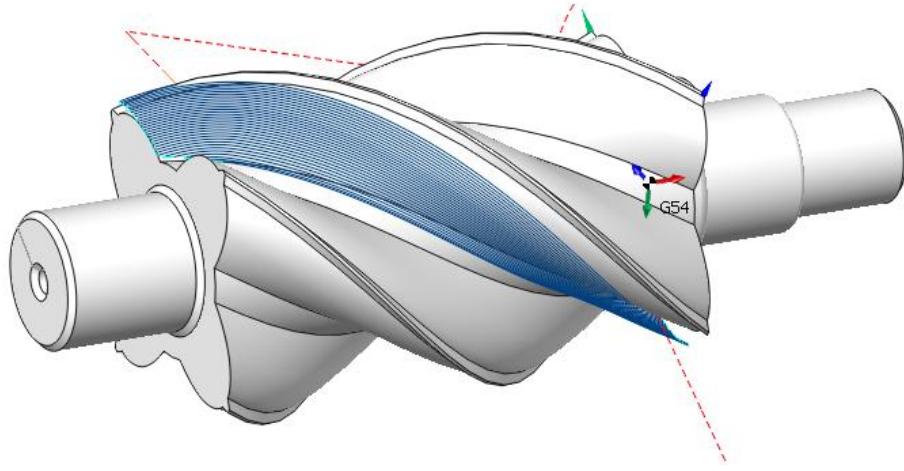
Rotary angle automatic calculation



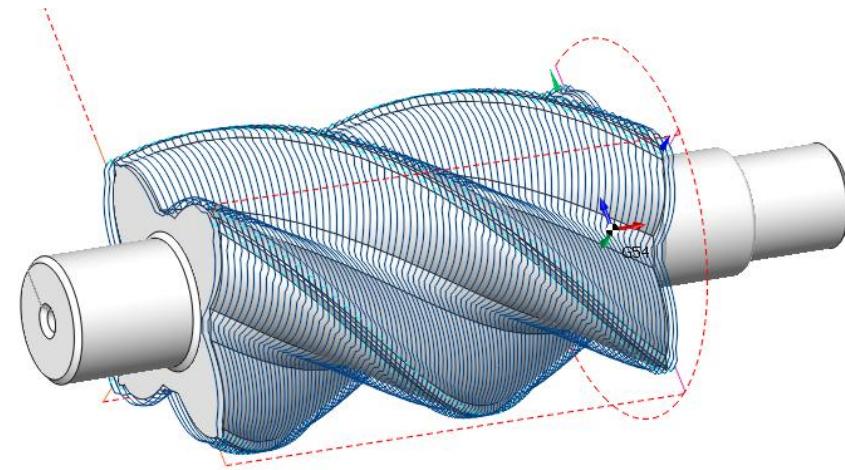
Rotary machining



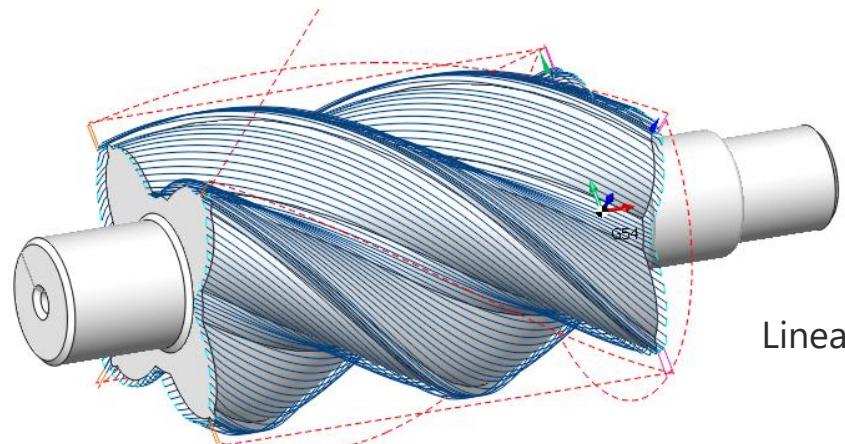
Rotary machining



Morph between two
curves



Spiral

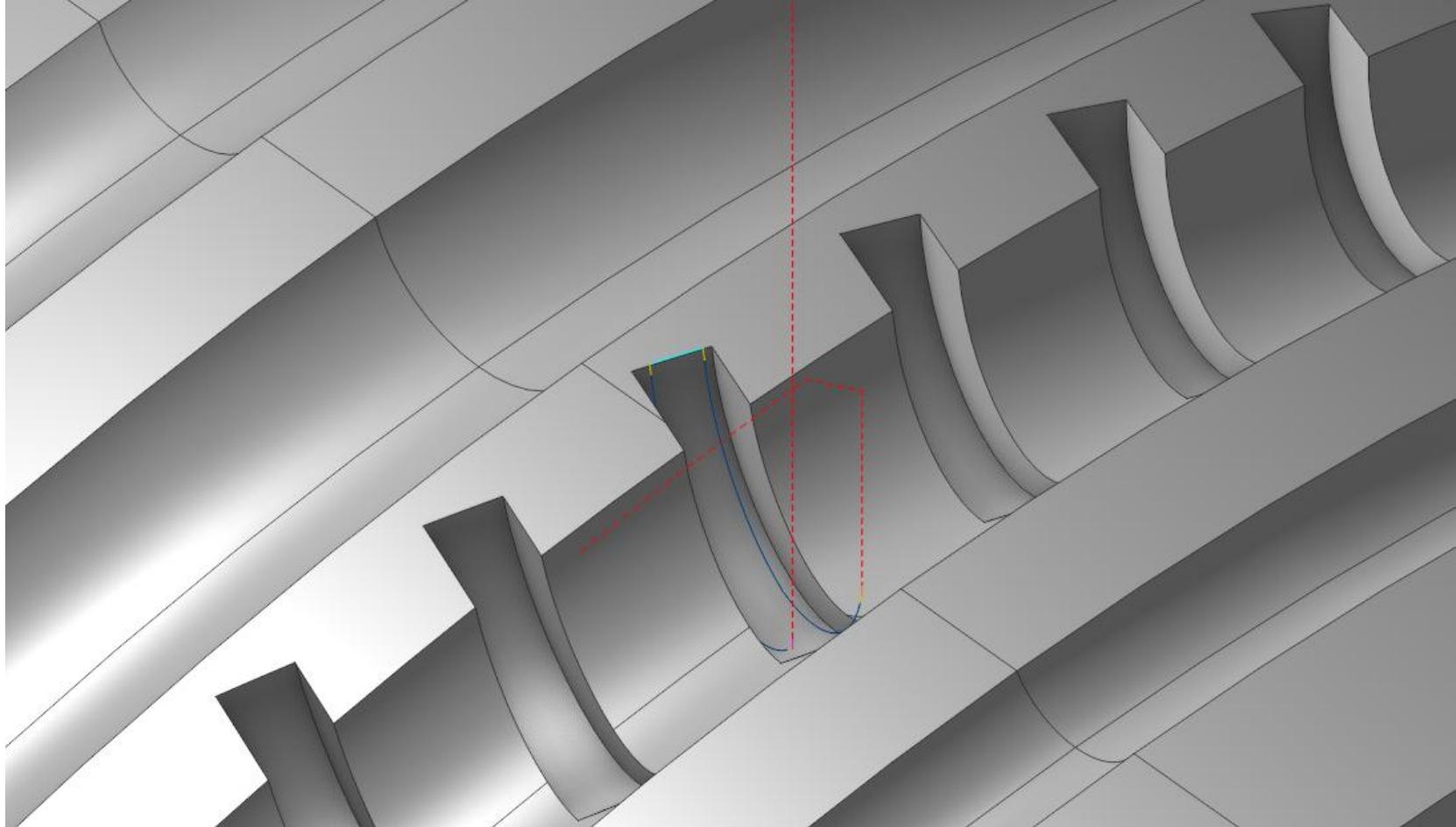


Linear



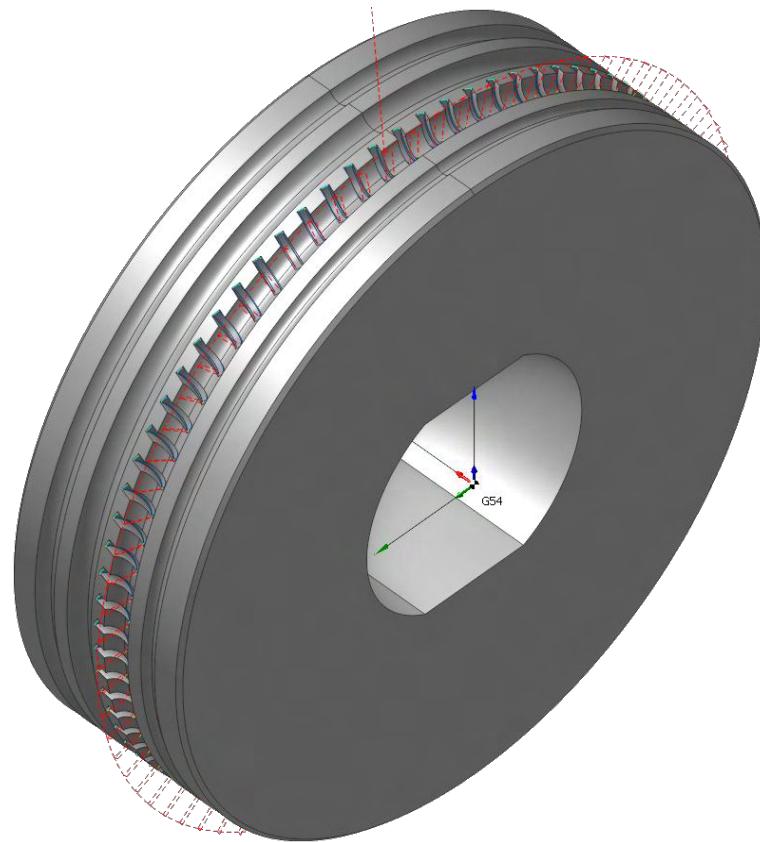
4D contouring

4 axis contour machining



Toolpath copying

Fast copying of toolpaths



Machining New operation

Links Run Reset

Leader
4D Contouring 1 T#24 20mm Spherical mill

Transformations

Part copying

Copying method Default

Multiply toolpath by axis X (Axis X Position)

Machining order

Multiply step Consistently

Multiply count 10

Multiply count 2

Formalize as subroutine

Multiply scheme

Base coordinate system Tool CS

Rotary transformations Off

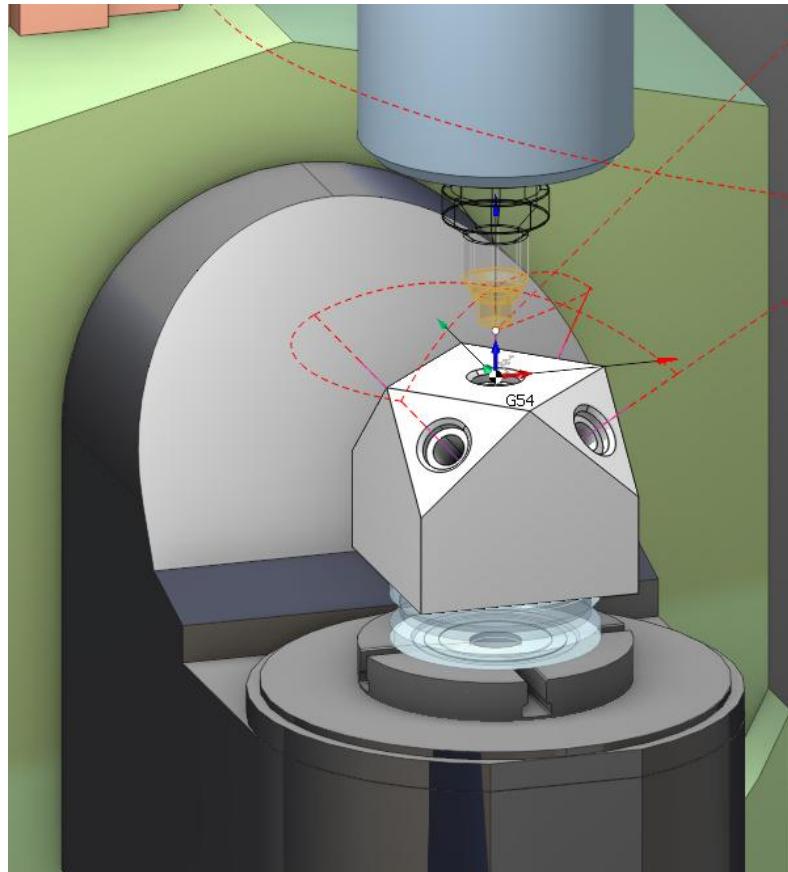


3 + 2 axis machining

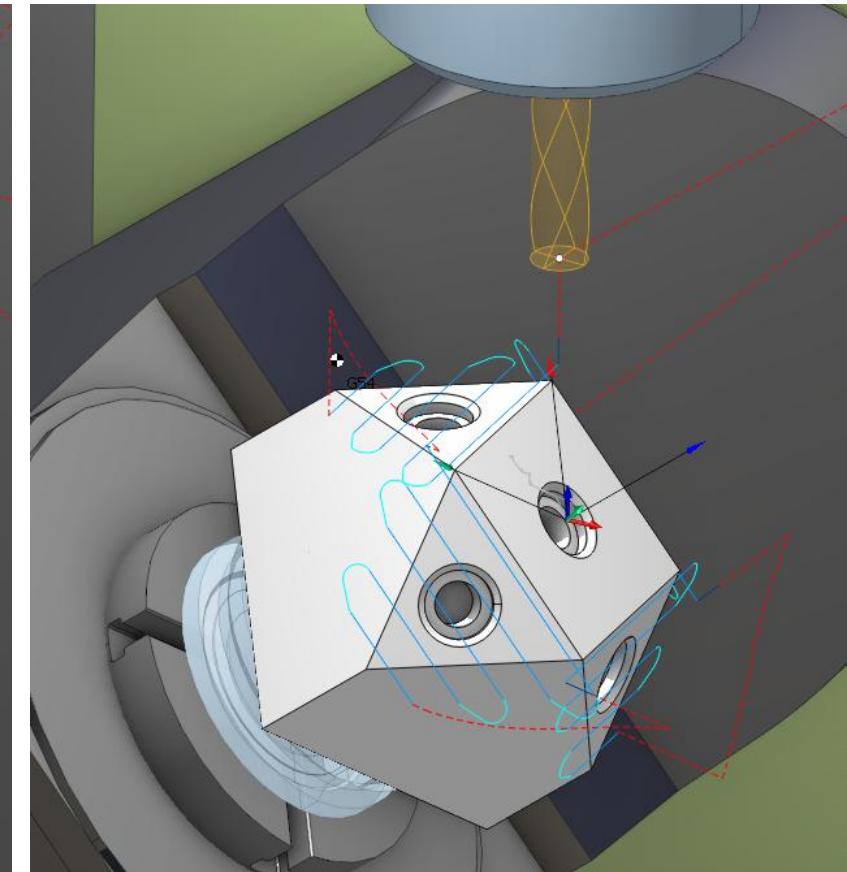
Automatic calculation of turning angles

Bulky parts machining

Interactive set up tools



Drilling



Milling



3 + 2 axis machining

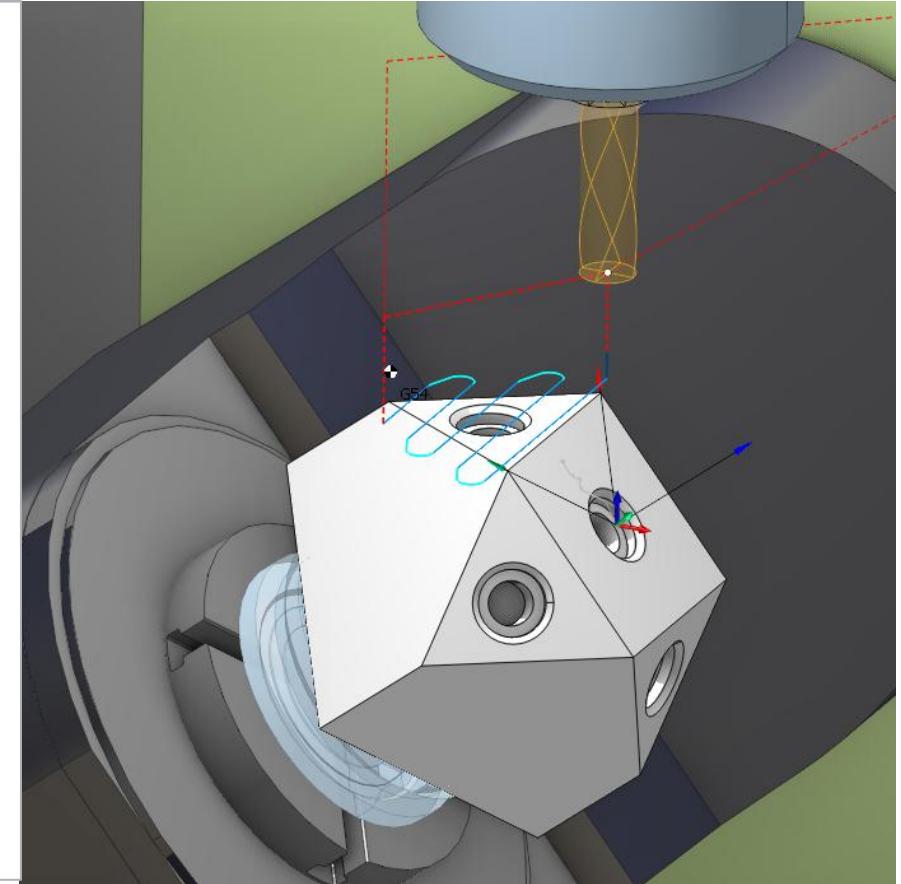
Coordinate system transformation cycles

FANUC G68.2

SIEMENS CYCLE800

HEIDENHAIN; PLANE SPATIAL

```
%  
5D_STAGE_DRILLING  
  
( GENERATED BY SprutCAM )  
( DATE: 17.05.2022 )  
( TIME: 14:59:17 )  
  
( TOOLS LIST )  
( T1 CYLINDRICAL_MILL D25 )  
  
G00G21G40G49G69G80G90G17  
G53Z0.  
G53B0.C0.  
( FACE MILLING2 )  
G53Z0.  
G53X0.Y0.  
T1M6 ( 25MM ENDMILL )  
G54  
S200M3  
G00B-51.622C45.  
G68.2X0.Y0.Z0.I-45.J51.622K90.  
G53.1  
G43H1X-35.028Y65.235Z89.35  
X-35.027  
Z51.303  
G01G94Z38.803F200M8  
Y-65.232  
G02X-47.012Y-67.717I-6.25J0.  
G01X-51.309Y-57.801  
G02X-51.824Y-55.316I5.735J2.485  
G01Y55.322  
G03X-63.853Y57.703I-6.25J0.
```



Continuous 5-axis machining

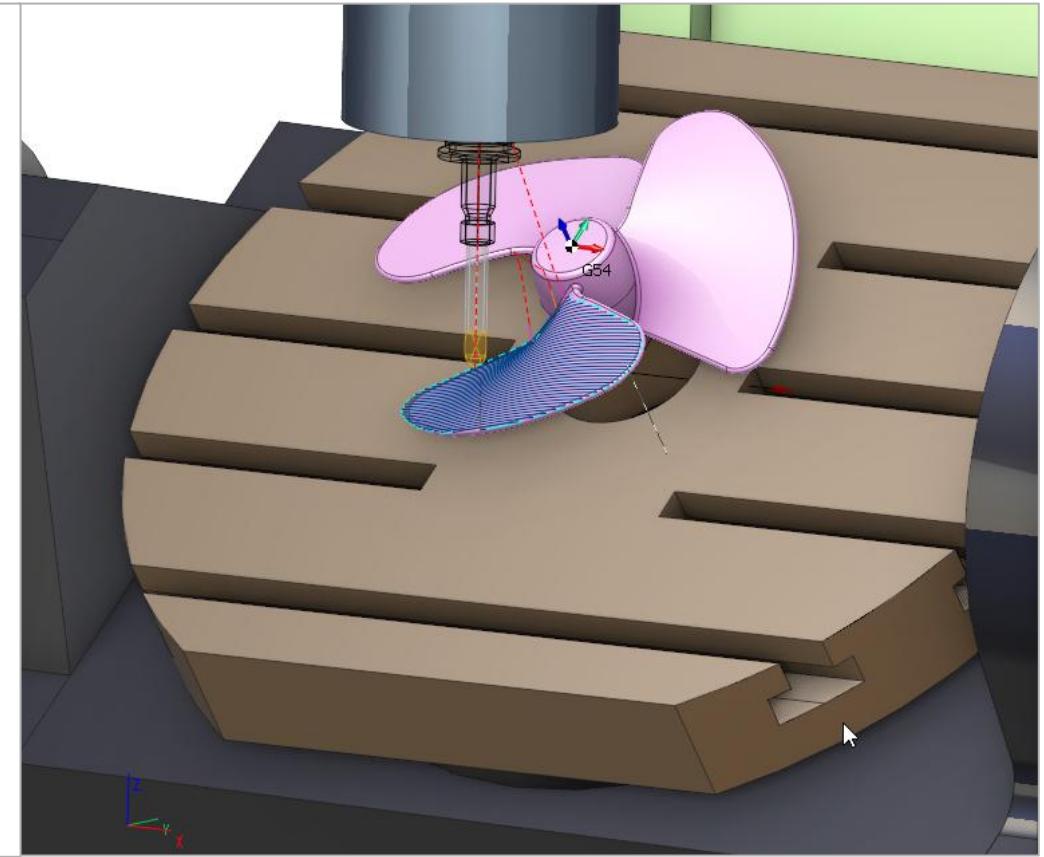
TCP support

FANUC G43.4

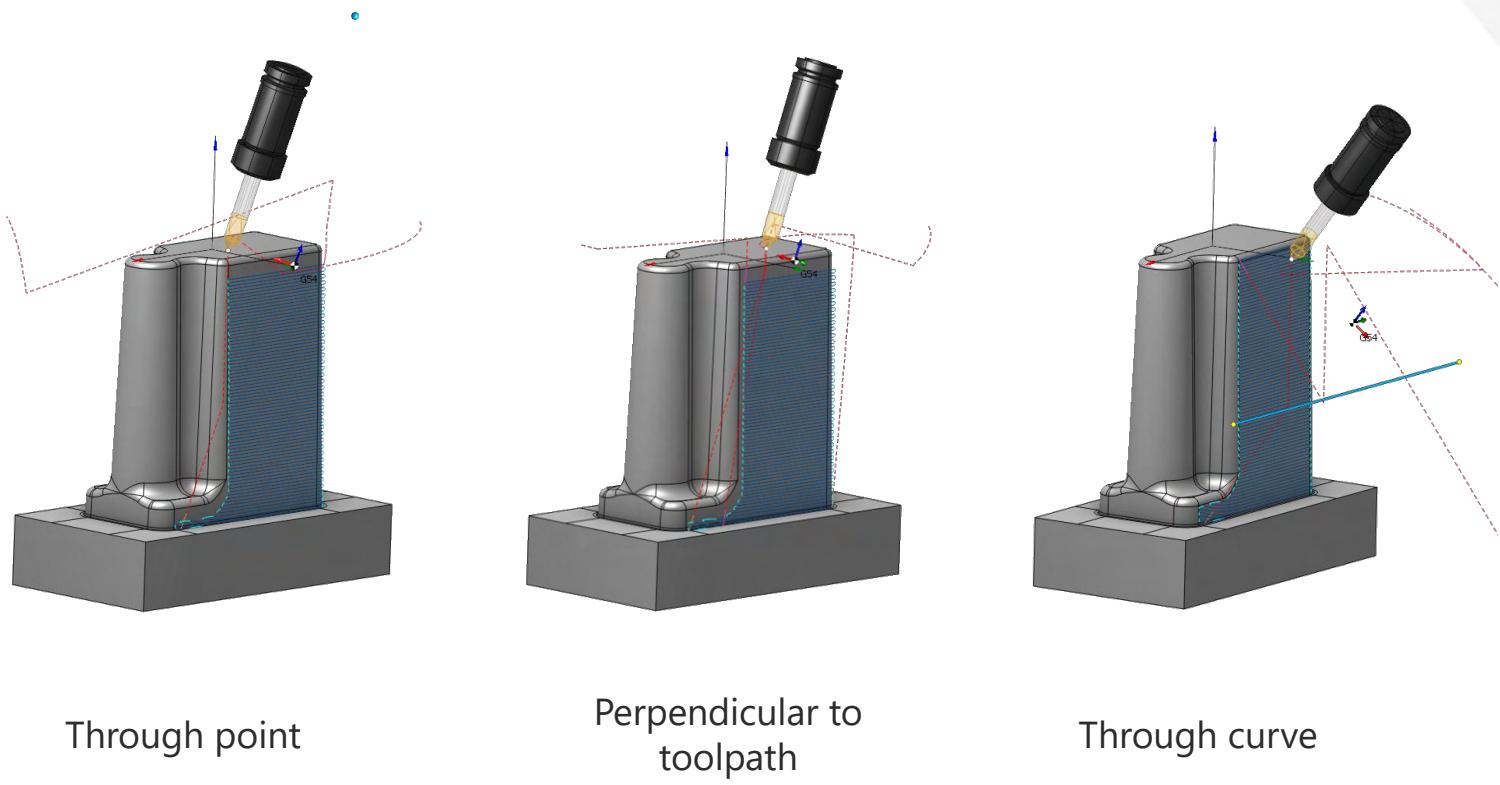
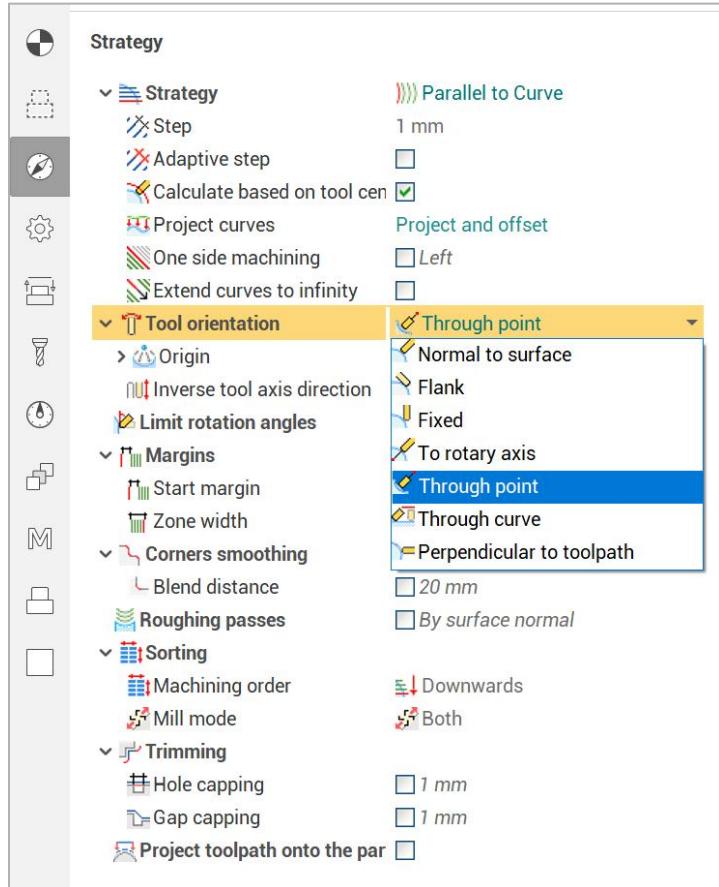
SIEMENS TRAORI

HEIDENHAIN M128

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%  
NONAME01  
  
( GENERATED BY SprutCAM )  
( DATE: 17.05.2022 )  
( TIME: 15:14:29 )  
  
( TOOLS LIST )  
( T8 CYLINDRICAL_MILL D10 )  
  
G00G21G40G49G69G80G90G17  
G53Z0.  
G53A0.C0.  
( 5D SURFACING 1 )  
G53Z0.  
G53X0.Y0.  
T8M6 (10MM CYLINDRICAL MILL)  
G54  
S318M3  
G00A0.C0.  
Y-19.958  
G43.4H8X-92.105Y-19.958Z10.  
X-92.105Y-19.958Z-46.247  
G01G94X-92.105Y-19.958Z-56.247F200M8  
G03X-90.753Y-25.45Z-55.023I91.888J19.709  
X-89.241Y-30.4Z-53.849I70.388J18.802  
X-87.519Y-35.037Z-52.676I91.755J31.437  
X-85.574Y-39.604Z-51.444I111.55J44.792  
X-83.549Y-43.72Z-50.253I85.124J39.319  
X-81.274Y-47.826Z-48.979I94.589J49.737  
X-78.856Y-51.751Z-47.673I102.66J60.544  
X-76.327Y-55.424Z-46.356I79.158J51.797  
X-73.468Y-59.174Z-44.907I88.666J64.625  
X-70.28Y-62.981Z-43.322I121.135J98.191
```



Continuous 5-axis machining



Barrel mill support

Reduces machining time

Safe toolpath

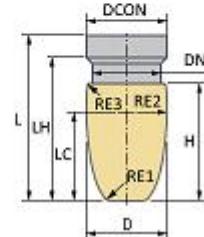
Superior quality of the machined surface

[Geometry](#) [Numbers](#) [Design](#) [Tooling](#)

Tool name L100, D16, Rc6

Tool group Undercut mill

Subtype Barrel mill

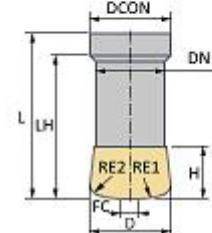


[Geometry](#) [Numbers](#) [Design](#) [Tooling](#)

Tool name L100, D16, Rc6

Tool group Undercut mill

Subtype Lens barrel mill

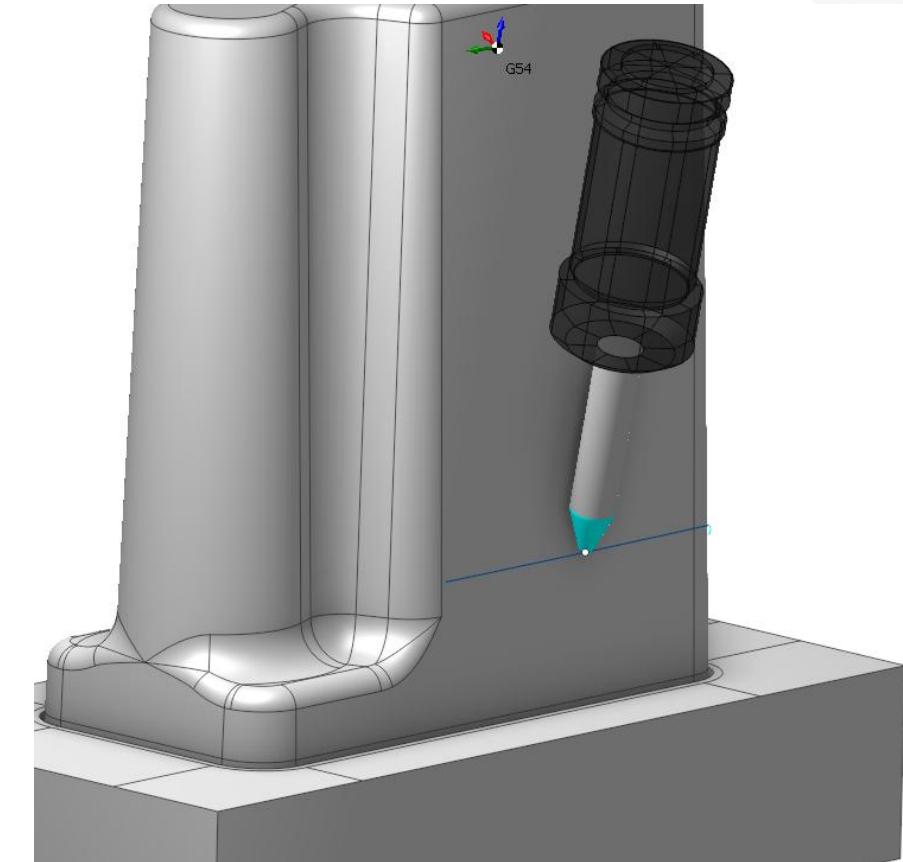
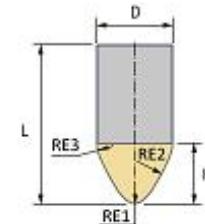


[Geometry](#) [Numbers](#) [Design](#) [Tooling](#)

Tool name L100, D16, Rc6

Tool group Undercut mill

Subtype Taper barrel mill



Barrel mill support

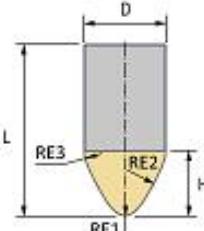
Tool contact adjustment

Geometry Numbers Design Tooling Holder Feeds/Speeds

Tool name **16mm Taper ba**

Tool group **Undercut mill**

Subtype **Taper barrel r**



Length (L) **50**

Working length (WL) **50**

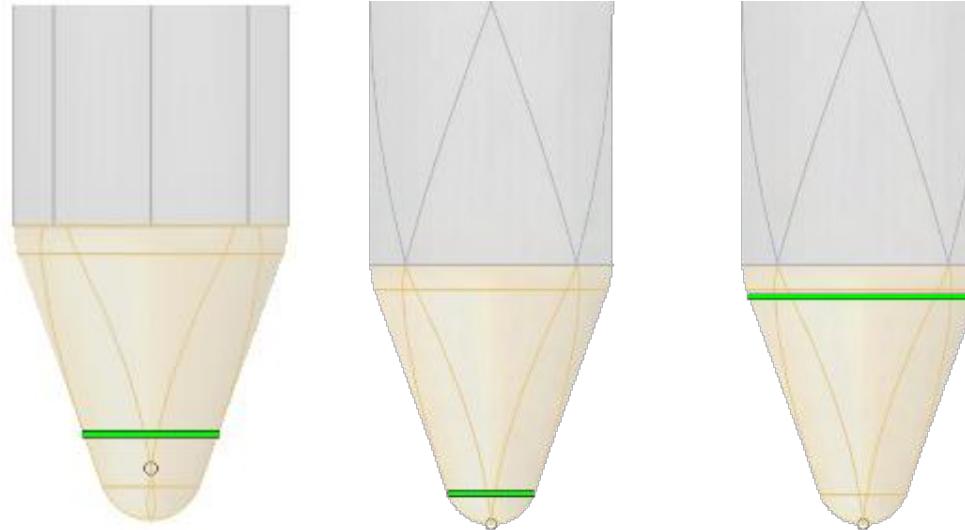
Overhang **150**

Contact point **Height** **5**

Tooling point 1 **Custom** **0**

2nd tooling point **Custom**

- End
- Center
- Custom
- Connect point
- Top edge

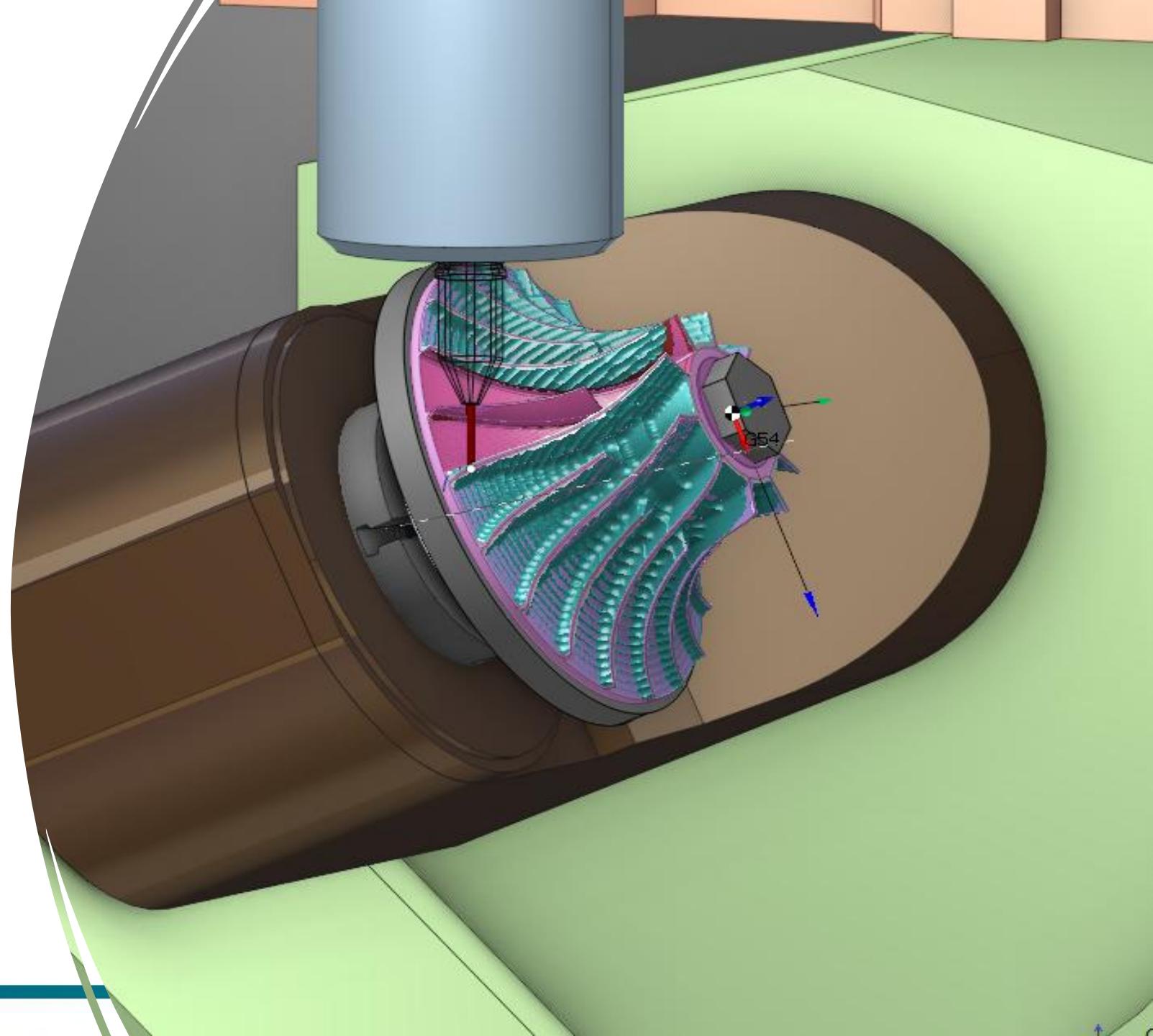


Tool contact adjustment

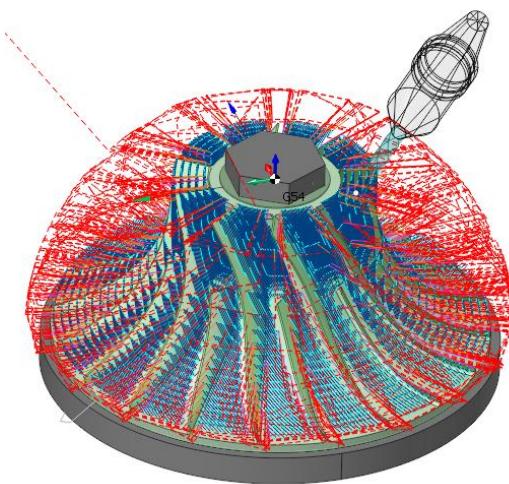
Turbine machining strategies

Intuitive set up

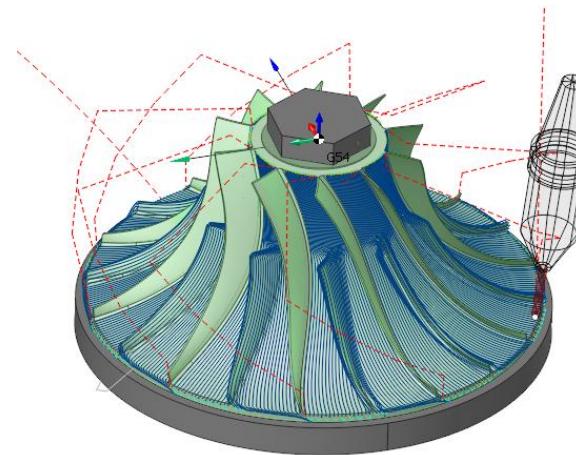
Predictable result



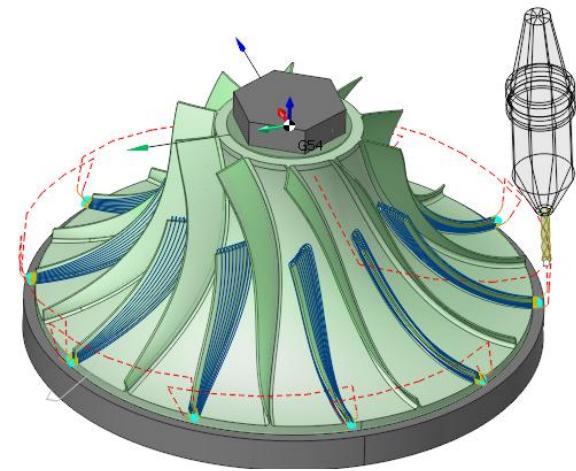
Turbine machining strategies



5-axis roughing

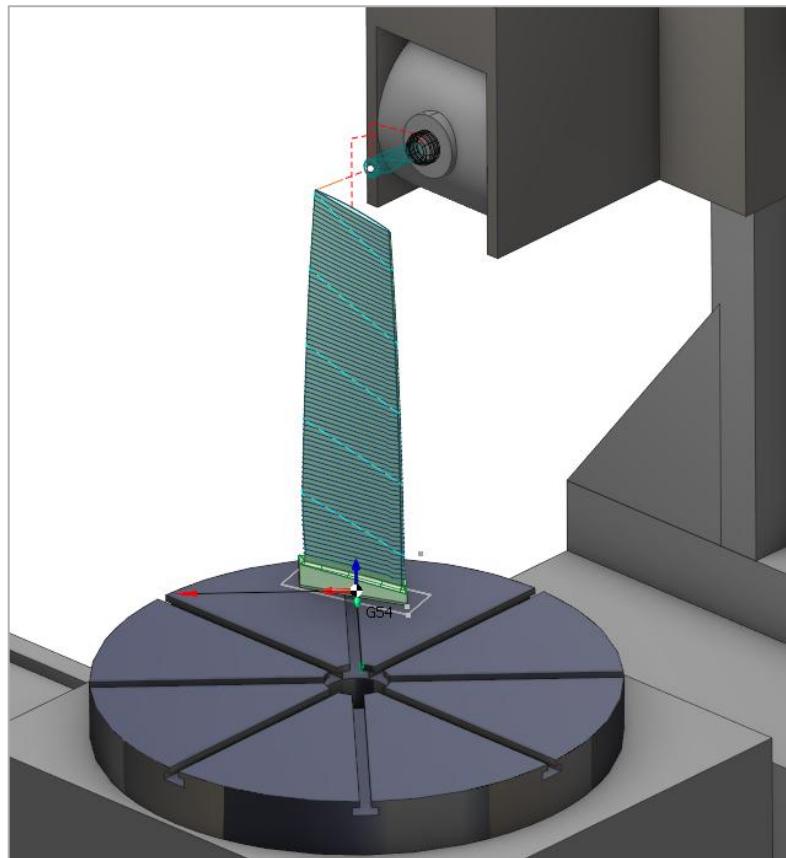


Bottom finishing

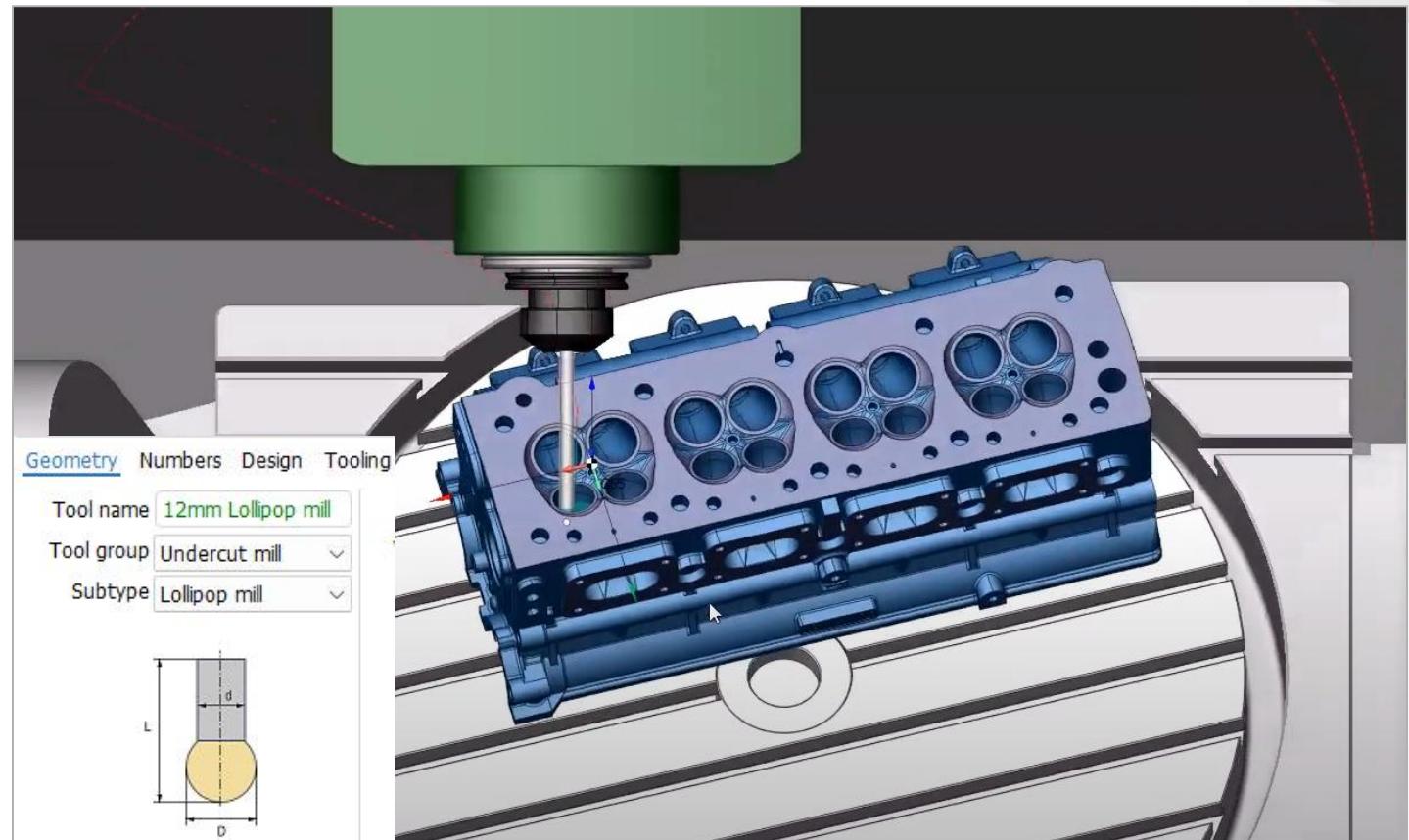


Blades finishing





**5D machining perpendicular to
the directing curves**



Lollipop mill support



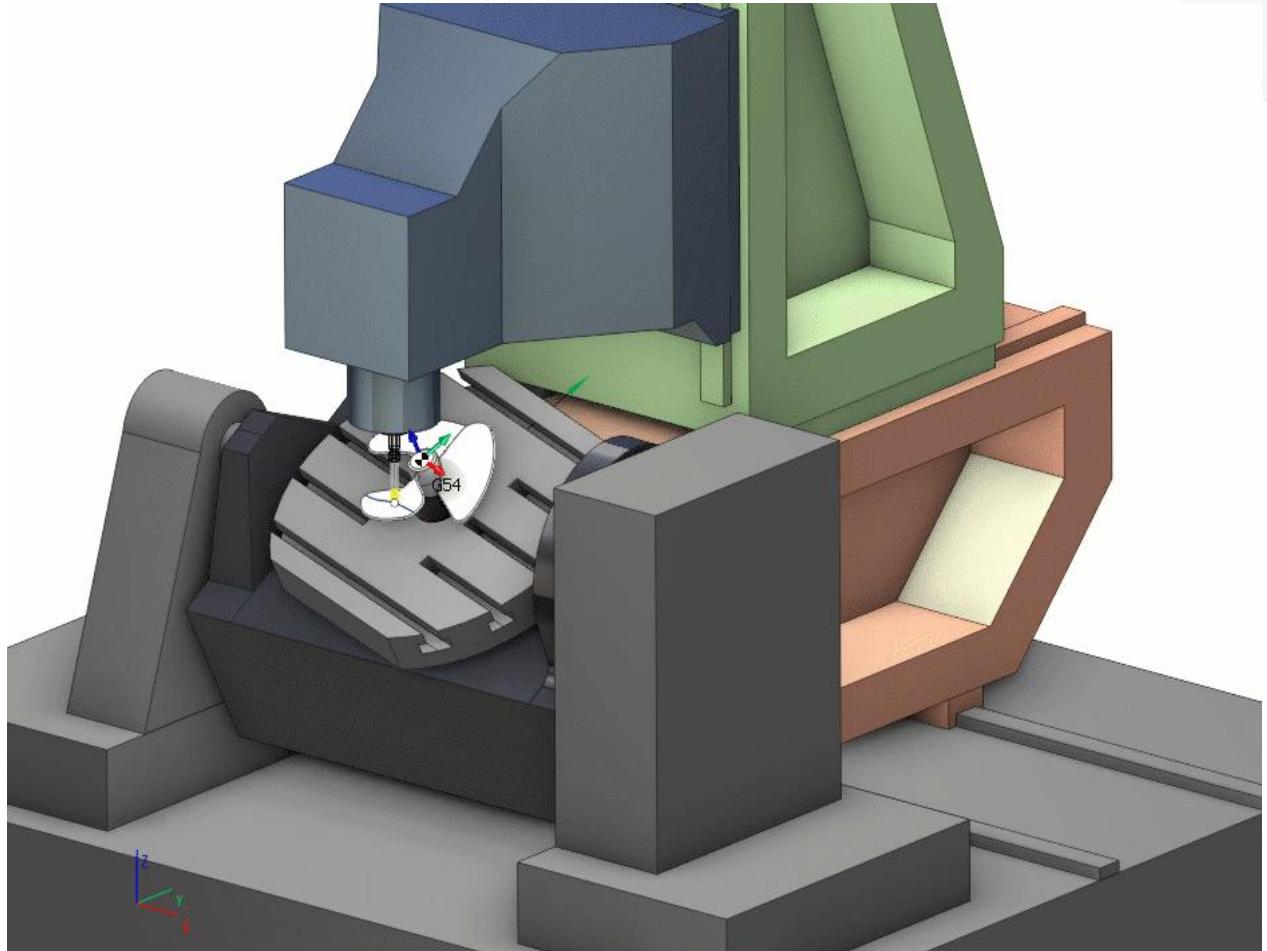
Machining simulation

When calculating the toolpath, SprutCAM takes into account machine kinematics and limitations

Once the toolpath calculated is started, in background SprutCAM checks for all possible collisions and machine area limitations

When setting up machining operations, you don't need to switch to the Simulation mode to verify every operation

Considerably reduced time for programming of multiaxis type machines

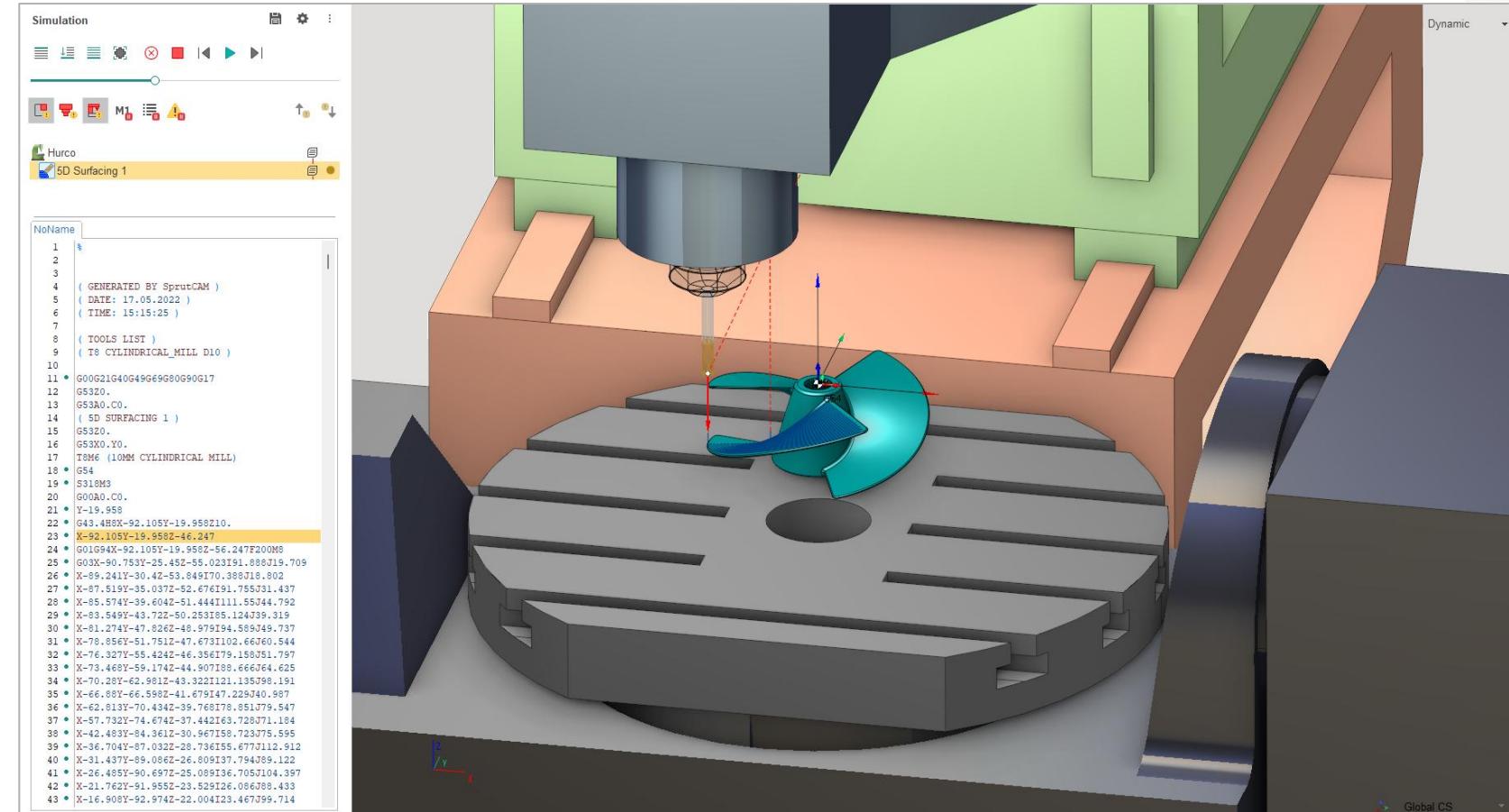


G-code based simulation

Toolpath verified using G-code during the simulation stage

FANUC, HEIDENHEIN, SIEMENS systems is available

No separate software for verification needed



Probing

New operation

Beginner

All operations

Topmost

- Structure
- Lathe
- Holes
- 2D
- 2.5D
- 3D entry
- 3D/5D advanced
- 4D rotary
- MW 5D MW
- Rest machining
- Cutting
- Disc tool
- Auxiliary
- Move part
- Probing

Search

- Mill tool probing
- Mill part probing
- Turn tool probing
- Turn part probing

Machining New operation

Links Run Reset

Milling machine

- Ring gauge G59 T#1 Spherical probe
- Calibrate probe G54 T#1 Spherical probe
- 3-ax probing G54 T#1 Spherical probe
- Hole T#1 Spherical probe
- Boss T#1 Spherical probe
- HoleProtected T#1 Spherical probe
- SingleSurface T#1 Spherical probe
- Web T#1 Spherical probe
- Pocket T#1 Spherical probe
- PocketProtected T#1 Spherical probe
- InternalCorner T#1 Spherical probe
- ExternalCorner T#1 Spherical probe

Job assignment

- Probing cycle Movement Add group Delete Save as template
- 1. Boss P9814

Properties

Caption Boss P9814

Write to report

- Component number 1 (auto)
- Feature number 5 (auto)

Options

- H - tolerance 0.2
- M - true position tolerance 0.2
- Q - Overtravel distance 4

Measuring geometry

- Geometry item (1)
- Top side (1)
- Orientation Manual
- Top clearance 10 mm
- Side clearance 20
- Depth 30

Dynamic

GlobalCS 70%





Capabilities and functions for the
turn and turn-milling

Turn and turn-milling

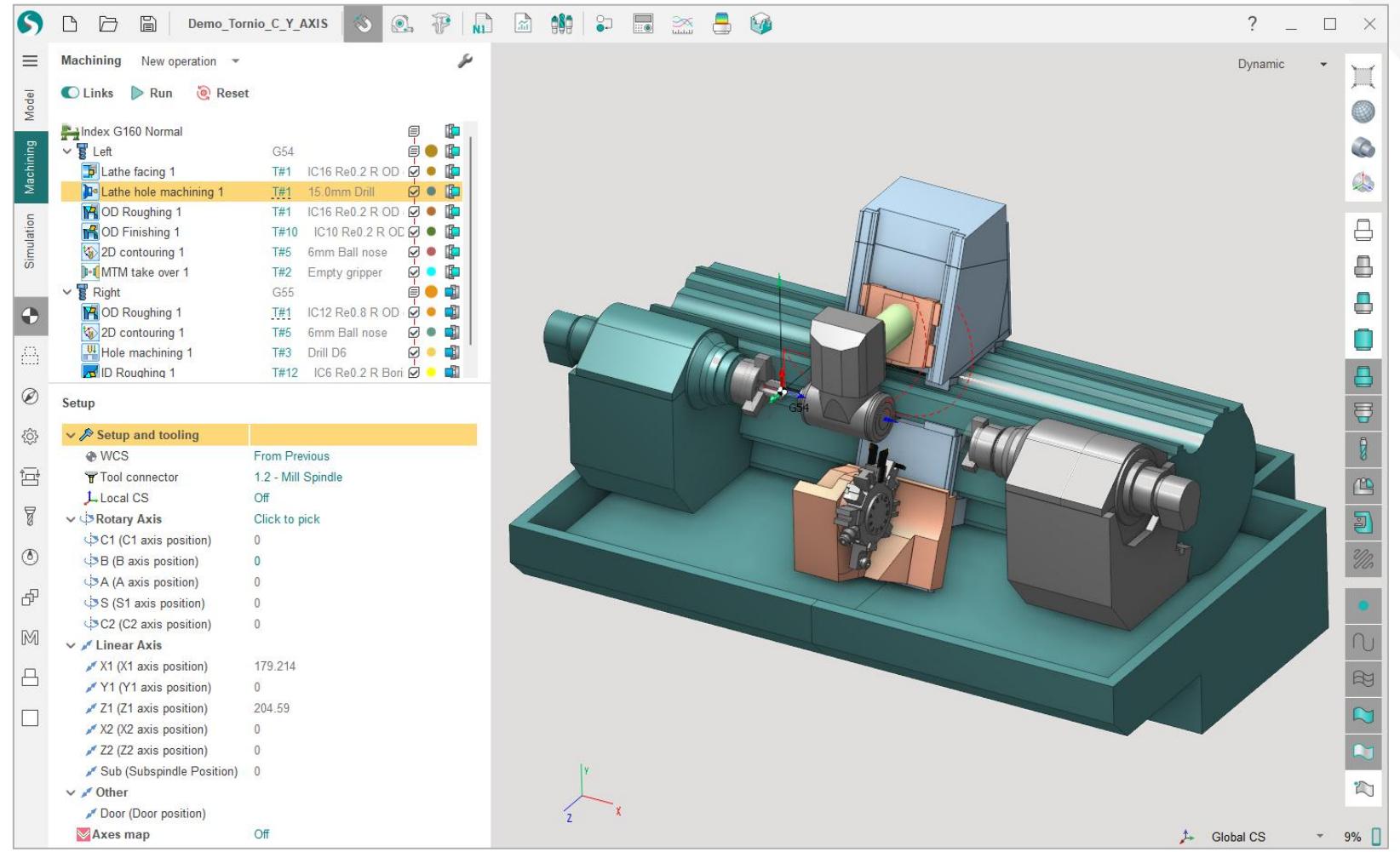
All types of turning operations

Toolpath preview, interactive approaches and retracts, drag & drop contour editing, threads database

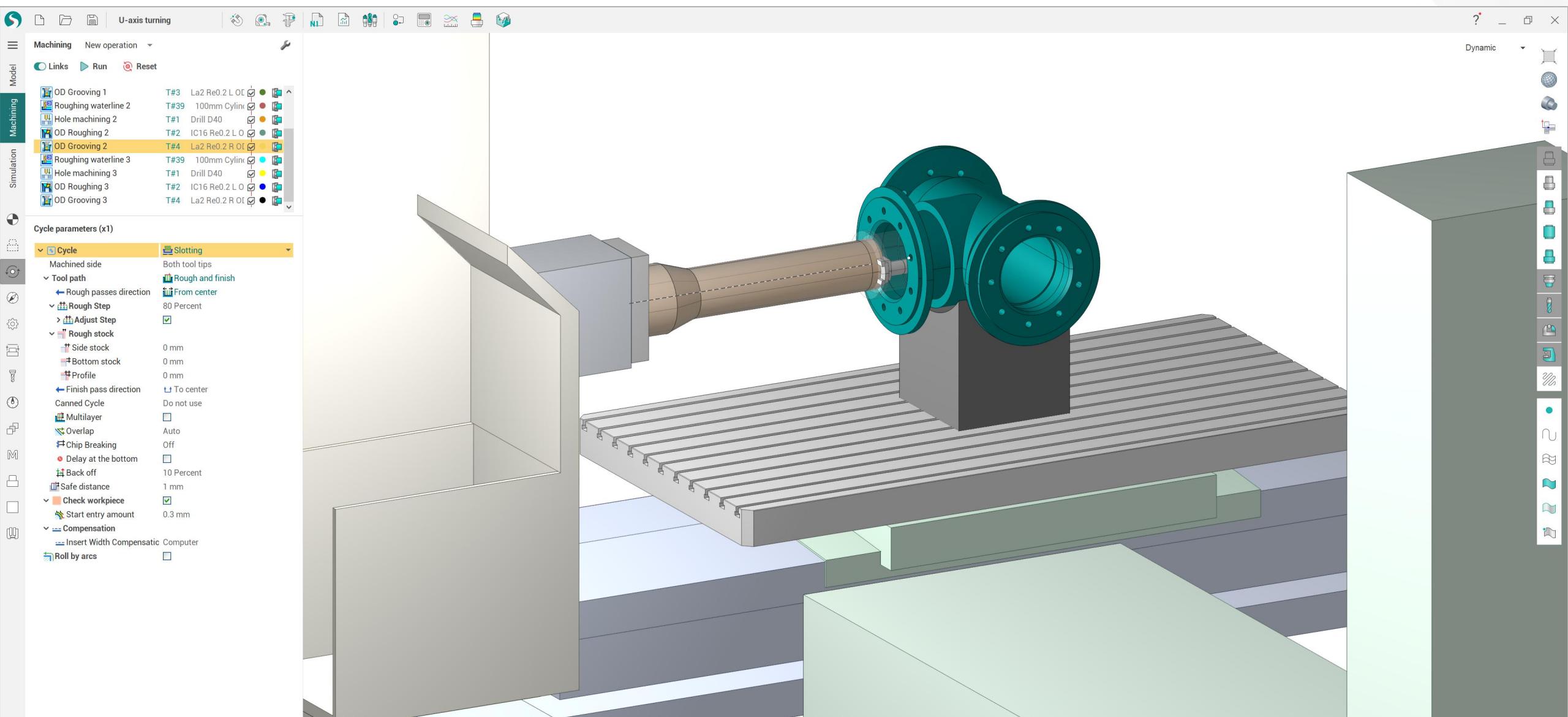
Use C and Y axes for machining in the main spindle or counter-spindle, on the part OD and on the part face.

Polar interpolation support

B-axis support

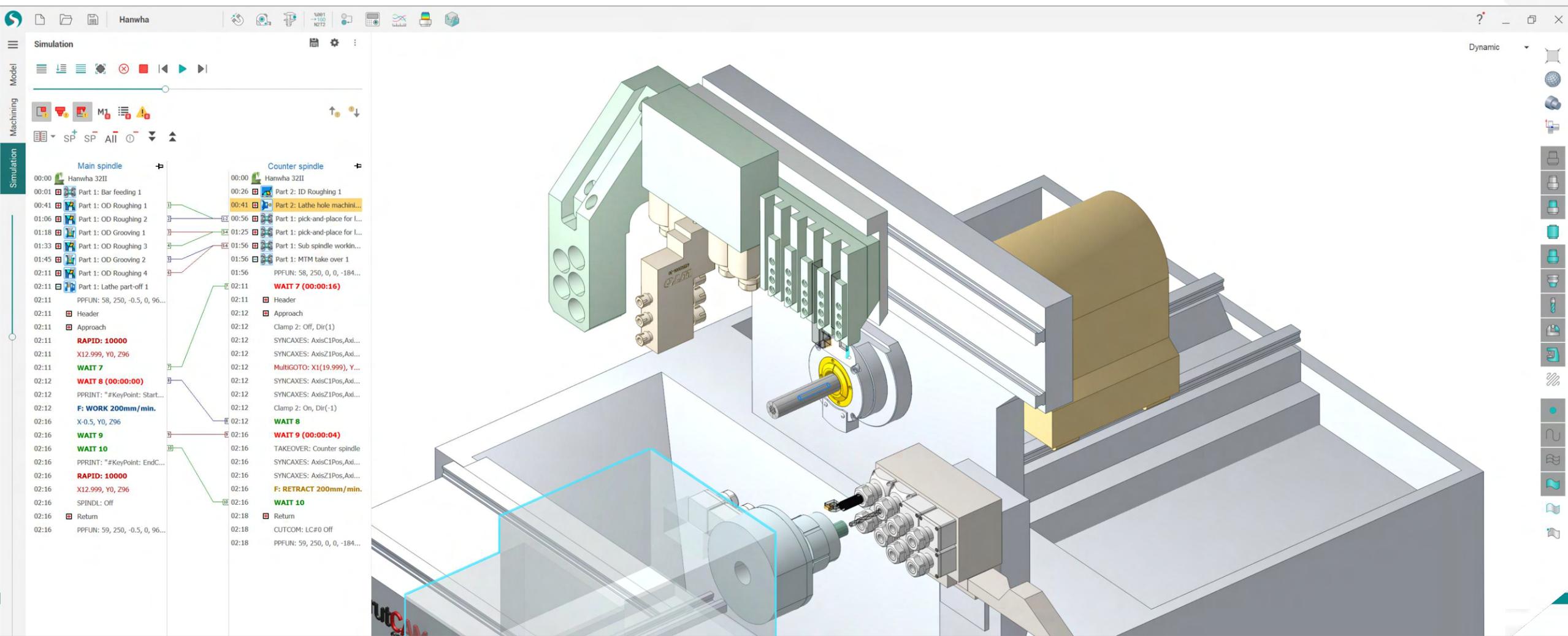


U-axis turning



Swiss type lathes

Automatic reordering and synchronization





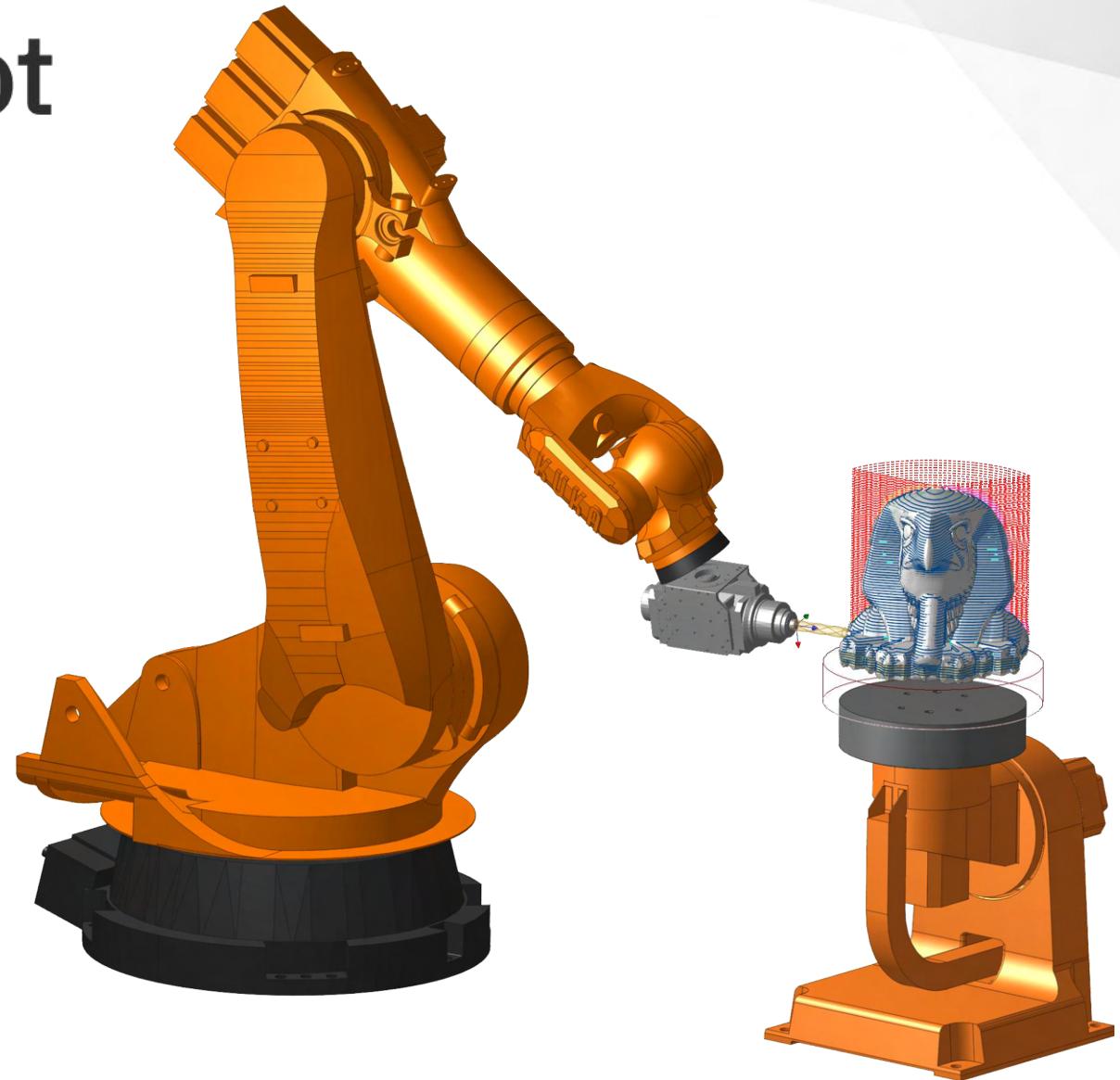
SprutCAM X

Capabilities and functions for the
industrial robots programming



SprutCAM X Robot

Universal environment for industrial
robots programming

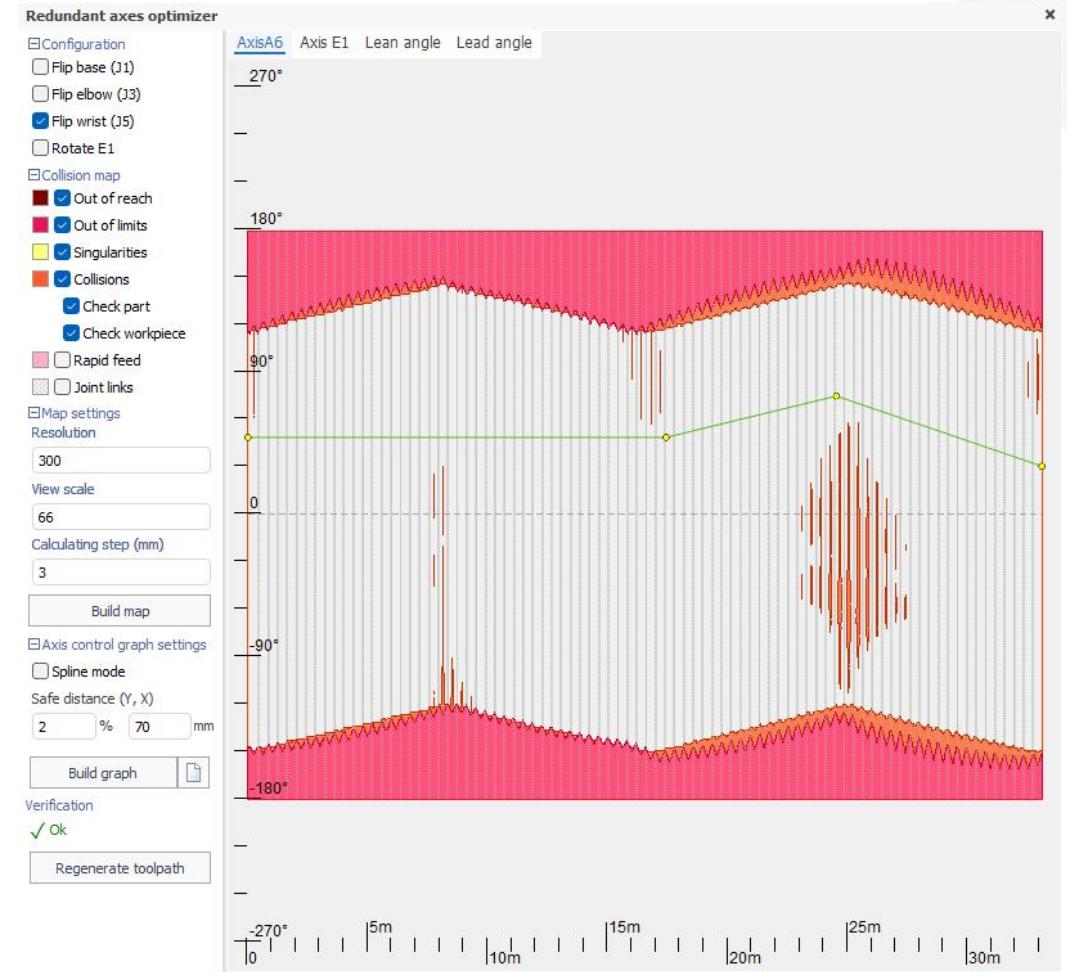


Intelligent industrial robots programming

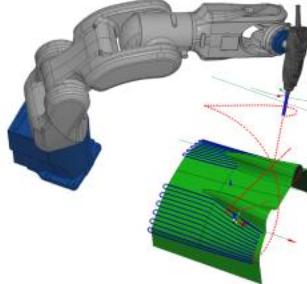
Support of additional axes



6-axis control

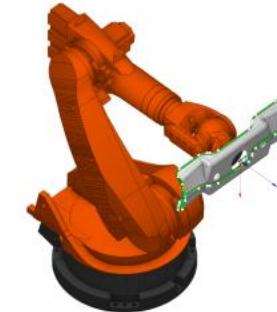


Supported technologies



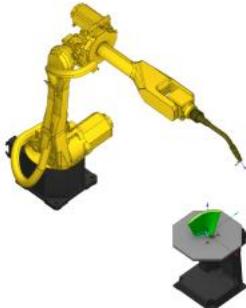
Milling

3—5D milling with redundant axes support



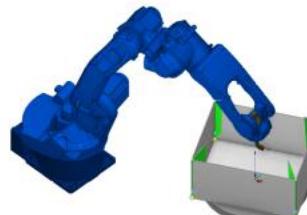
Cutting

Miltiaxis cutting with precise tool vector control



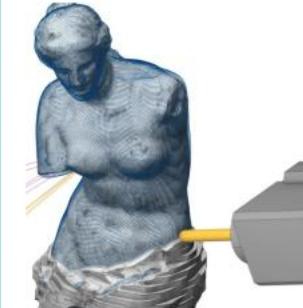
Additive

3—5D cladding with advanced layer thickness control



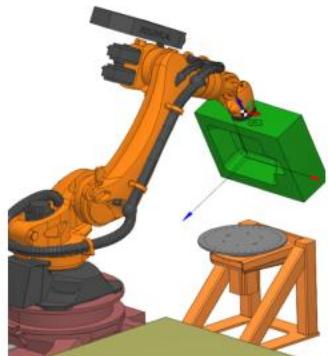
Welding

Simple easy-to-use solution for welding programming



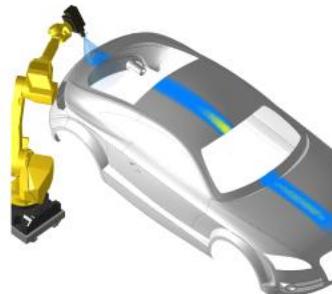
Sculpture Stone

Stone roughing, disk tool, advanced 5D finishing for mesh models



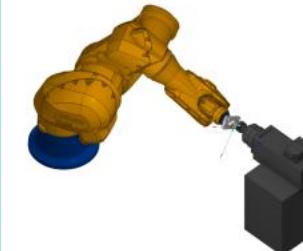
Pick and place

Collision-free automatic pick-and-place



Spray painting

Simulate and test your painting on your PC. SprutCAM Robot will give you all you need for it.



Polishing

Tool-to-part and part-to-tool supported

Supported every manufactures of robot

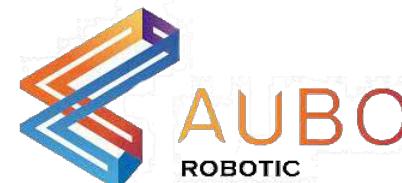


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