



TurnMill

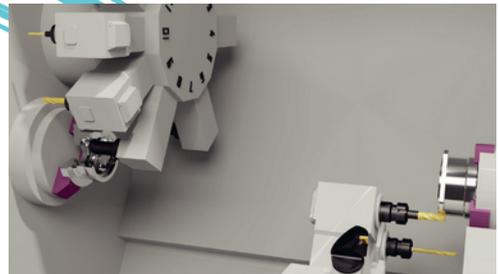
GO2cam develops and markets a software suite which covers all turning operations. Simple turning, CYBA axis, 5 axis turning, GO2cam range is adapted from simple parts turning to complex machining including such machines as SwissTurn, Vertical Lathe. GO2cam software suite is adapted for all kind of materials, from soft to hard. Huge online libraries of tools and cutting conditions are available. GO2cam Turning allows to program lathe cycles but also milling toolpaths in a single environment.



2 Axis



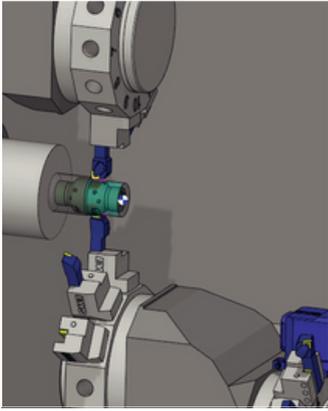
Automatic Lathe



Machining Centre

CAD

- Compatibility & associativity with CAD files (SolidWorks, Siemens PLM, CatiaV5, 3DEXperience, Creo),
- Parametric CAD kernel,
- Smart dimensioning based on average tolerance,
- Smart features: holes, pockets.



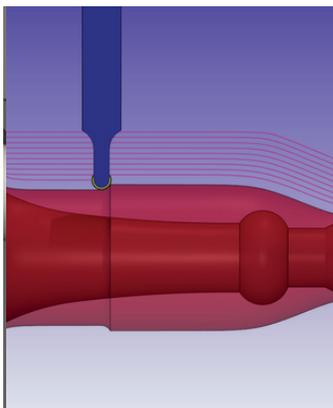
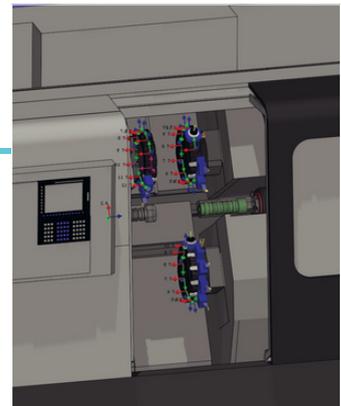
Multi Spindle and Multi Turret

CAM

- Turning for multi spindle and multi turret,
- Save expertise (operation list, tools),
- Automatic strategies for turning,
- Stock management automatization to avoid air cutting,
- Advanced accessories management (steady rest, tailstock...),
- Estimation of production cost price (material, tools, machining time...),
- Machine-Tool Environment (MTE) simulation.

Machine Tool Environment (MTE)

Reproduce every surrounding element – moving or static – of machining process in order to ensure its quality and security. WanaGO adds a decision support system which calculates and suggests the best machine or to switch between machines while avoiding re-do CAM files.



turnyuGO®

Superfast material removal, smooth transitions and a spotless surface finish. The result is based on a two-way toolpath along the part and corner loops.



Scan QR code to find out more about our modules

Available add-ons : High Performance Machining, Hole Machining Feature (HMF), Gun drilling, 5 axis expert, Probing.



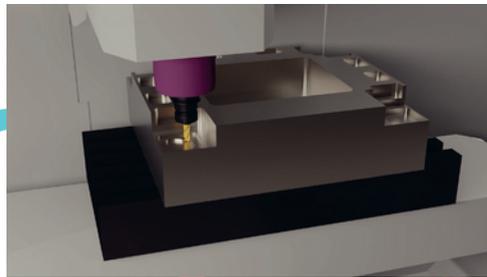
TurnMill



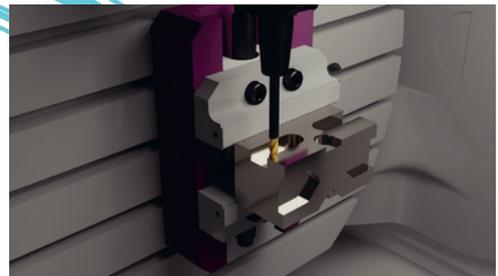
Milling

GO2cam designed an operating software of CNC machine-tools, supporting all dimensions and axis: 2D or 3D geometry, from 2.5 axis to 5 simultaneous axis. All type of machine, over 5 axis are supported. GO2cam software suite is adapted for all kind of materials, from soft to hard. Huge online libraries of tools and cutting conditions are available.

2.5 Axis



3+2 Axis

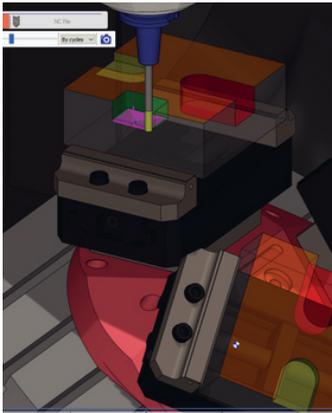


5 Axis Simultaneous



CAD

- Compatibility & associativity with CAD files (SolidWorks, Siemens PLM, CatiaV5, 3DEXperience, Creo),
- Parametric CAD kernel,
- Smart dimensioning based on average tolerance,
- Smart features: holes, pockets.

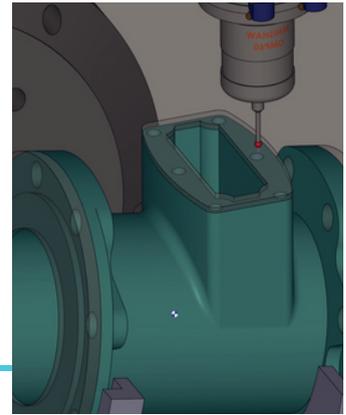


CAM

- Milling 2.5x – 3x – 5x simultaneous,
- Save expertise (operation list, tools),
- Stock management to avoid air cutting,
- Fixture management automatization to avoid collision,
- Estimation of production cost price (material, tools, machining time...),
- Machine-Tool Environment (MTE) simulation.

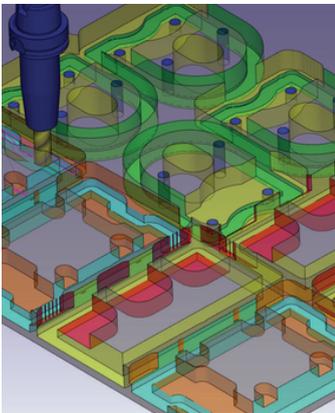
Multiple Part Machining

Solution for large scale production which offers a simultaneous optimization of a toolpaths, management of tool changes, support rotation and machine kinematics and other features.



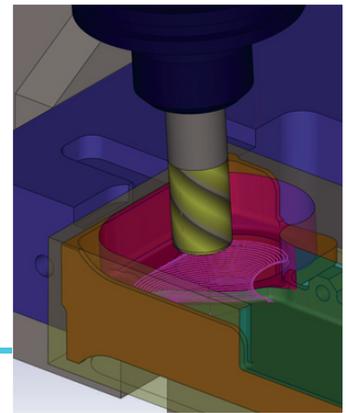
Probing

Module operating in two probing stages (raw material, then origins). After finishing, a final probing cycle is launched to check the obtained dimensions. With predefined strategies and automatic calculations, there is no more need for a 3D measuring machine.



Nesting

Optimization of the positioning of multiple parts milled in the same raw material plate. Produce the highest number of parts and save raw materials.



millyuGO®

High-speed machining toolpath for high material removal rate production issues. This module calculates all the toolpath in order to optimize forces exerted on tool and spindle, from the first roughing cycle to the finishing.



Scan QR code to find out more about our modules

Other available add-ons: High Performance Machining (millyuGO), Boring head, Hole Machining Feature (HMF), Gun drilling, 5 axis expert, User Workshop documents.



Milling

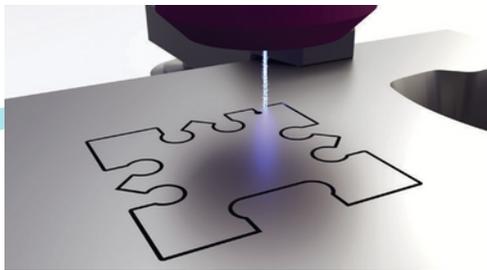


Wire EDM

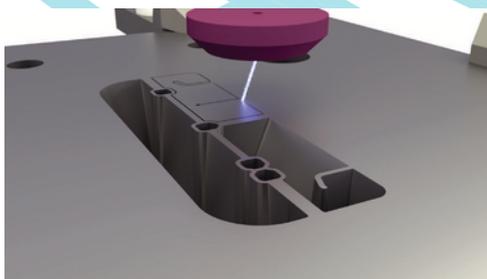
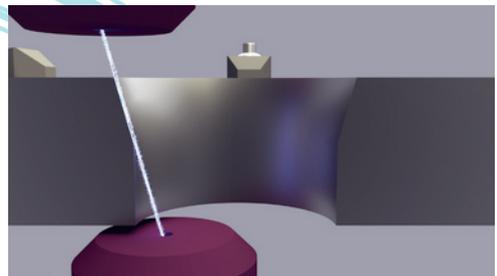
As a material removal production specialist, GO2cam meets the needs of Wire EDM machinists.

Industrialists of micromechanics, watch makers, precision engineering, forming tools manufacturers, every Wire EDM machine operator finds in GO2cam the answers to their time and quality standard requirements.

Straight/ taper cut



Pocketing/ Conic pocketing

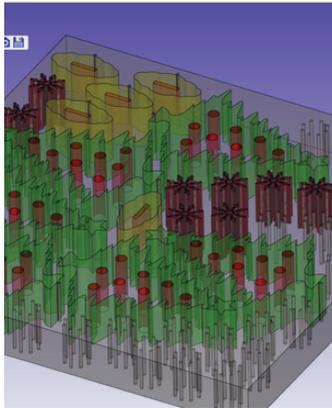


4 Axis Cut



CAD

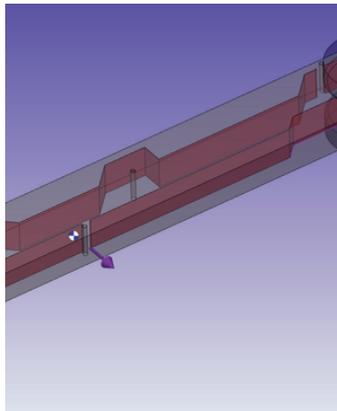
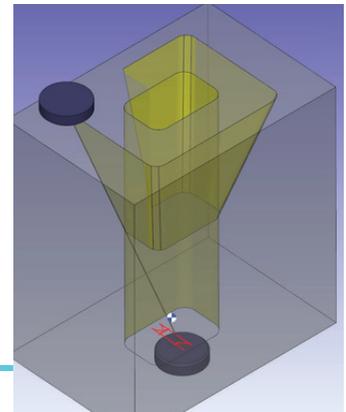
- Compatibility & associativity with CAD files (SolidWorks, Siemens PLM, CatiaV5, 3DEXperience, Creo),
- Parametric CAD kernel,
- Smart dimensioning based on average tolerance,
- Smart features: straight taper and 4 axis cut,
- Specific function to draw forming tool,
- Gear & toothing database (ISO and AGMA standard).



Nesting

Enables a perfect material optimization by keeping and re-using of partially started plates.

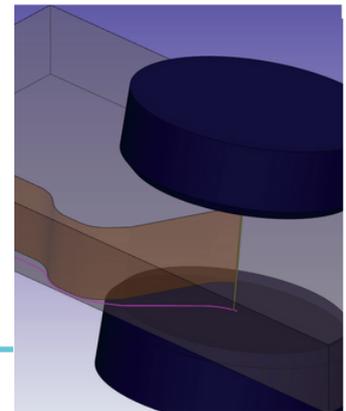
Extrusion die



Multiple threading points

Forming Tool Manufacturing

Allows to export the final part geometry towards GO2cam Wire EDM, to create the exact opposite shaped tool. Then, the tailor-made tool will be used to produce the part on a single faultless cycle.



CAM

- Command files, Script files, Technology tables,...
- 2X - Straight cut,
- Taper cut,
- 4X (G2/G3),
- Pocketing,
- Automatic threading point creation and report,
- Day/night optimization,
- Specific corner strategy, no need to draw the shape,
- 4 axis machining with automatic management of synchronization points based on the surface.



Scan QR code to find out more about our modules

Available add-ons: Swiss Turn Tool Manufacturing (STTM), User Workshop documents.



Wire EDM

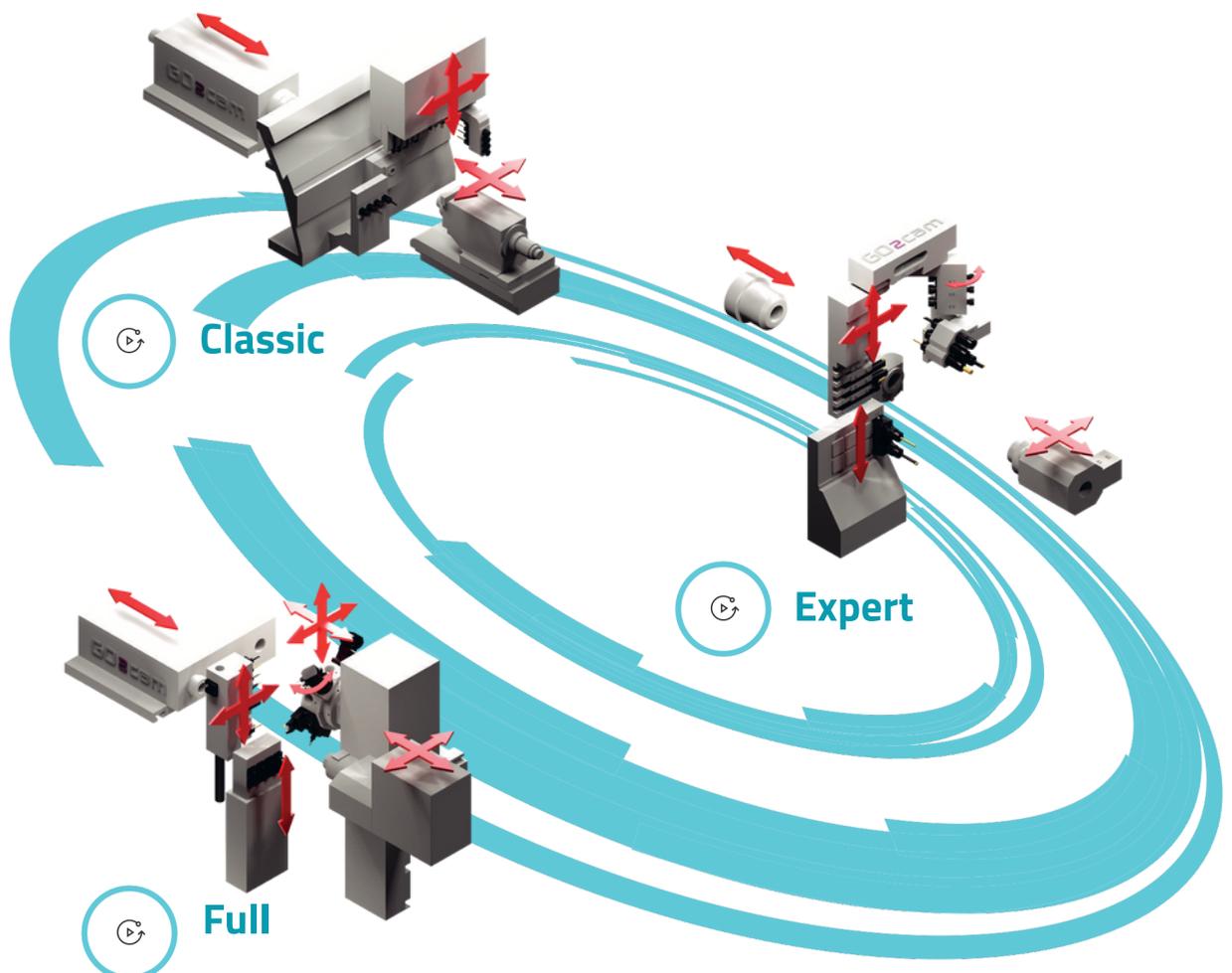


Swiss Machining

Quantity and quality! The main priority of Swiss Machining industrialists is to maintain a high and constant production rhythm, reaching requirement of total quality. A few tenths of seconds per part and the productivity takes off.

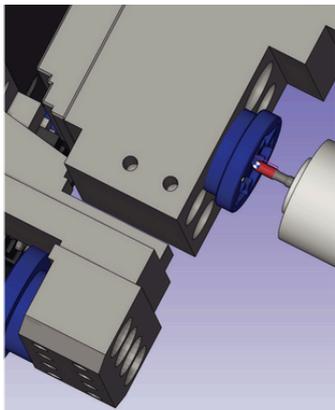
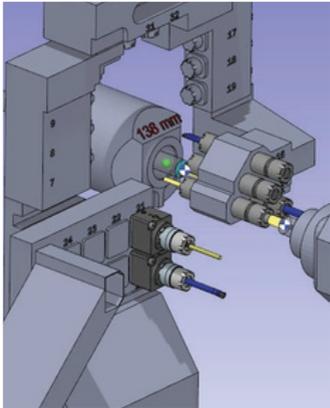
But today, production series on Swiss type machines are shorter and machines are more complex to program manually. For this reason, we created a dedicated solution for Swiss Machining which automatizes complex manipulations in order to enable users to handle it rapidly with dedicated workflow.

GO2cam incorporated into this product all the specific synchronization solutions dedicated to multi-channel CNC machines used by Swiss Machining specialists.



CAD

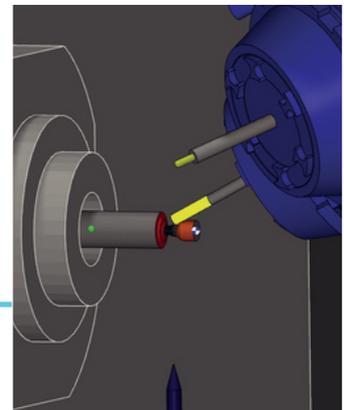
- Compatibility & associativity with CAD files (SolidWorks, Siemens PLM, CatiaV5, 3DExperience, Creo, SpaceClaim),
- Parametric CAD kernel,
- Smart dimensioning based on average tolerance .



Scan QR code to find out more about our modules

CAM

- Definition, preview and simulation of all synchronization operations including superimposition,
- Creation and edition of tools database for mounting (full-auto process),
- Management of the sliding headstock,
- Intuitive and interactive rearrangement of operations among gang tool,
- Simulation of raw material inside machine environment to avoid any collisions and errors,
- Post processor and machine environment simulation available,
- Management of items in part design table,
- Customized solution available.

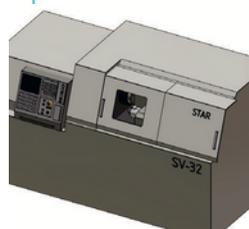


Task Management & Synchronization

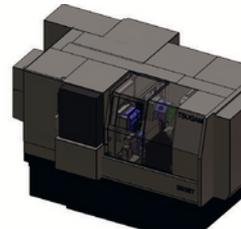
5 axis positioned or simultaneous

Thread whirling

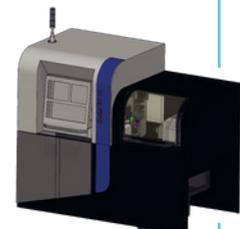
- Tool database available
- Dedicated cycles



Star



Tsugami



Tornos

But also Citizen, Traub, Nomura, Hanwha, Index, Miyano... & others



Swiss Machining



Robots

In a fully CAD/CAM integrated solution dedicated to Robots offline programming, create and manage simple or complex toolpaths issued from GO2cam.

Program your robot in the same way you program your machine tools, from simple applications to the most complex ones: deburring, cutting, completed with specific robotic applications as dispatching, welding, polishing and more... Optimize your robot use with an easy programming and powerful solution

DEBURRING



POLISHING



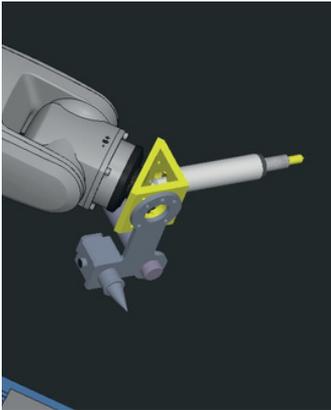
CUTTING





CAD

- Import, edit and prepare any CAD models.
- Design from scratch with our integrated CAD solution.
- Based on Parasolid modeling kernel.



CAM

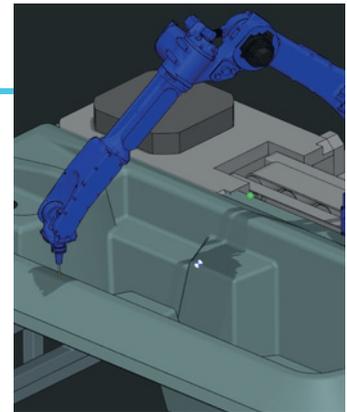
- Create high accuracy toolpaths using GO2cam proven advanced CAM solution made by machinists for machinists from decades!
- Use enhanced functions dedicated to Robots need like TCP orientation management.
- Increase daily use with standard GO2CAM techno functions and automatization capabilities (Opelists).

Robot Settings

- Support several Tool Center Points (TCP) for one robot arm.
- Define working environment and manage all moving strategies including multi tasks scenarios.
- Reach and control working area.
- Check and prevent collisions.
- Avoid singularities.

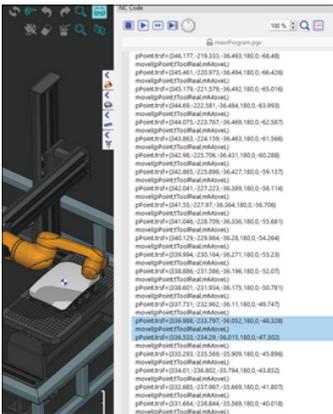
Simulation

- Simulate global robot cell including complementary axis.
- Check multiple Tool Center Points (TCP) transition.
- Double point of view (POV) : main global and specific tool area for a better validation.



NC File

- PP Standard validated libraries for leading manufacturers (ABB, COMAU, ELITE, FANUC, KAWASAKI, KUKA, STÄUBLI, STEP, UR YASKAWA).
- Tailor made in partnership with manufacturers/integrators.
- Digital Twin linked to manufacturers software (ELITE, STÄUBLI, UR).



Scan QR code to find out more about our modules



But also ABB , KAWASAKI , COMAU , UR , ELITE... & others



Robots