The Future of CAM

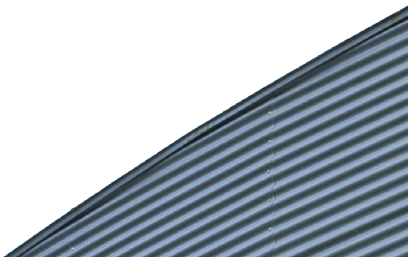
SolidCAM
The Solid Platform for Manufacturing

SolidCAM UK TECHNOLOGY CENTRE

The perfect place to demonstrate the power of SolidCAM Software with Live Cutting

www.solidcam.com

SolidCAM UK TECHNOLOGY CENTRE



SolidCAM have Technology Centres around the World, where the CAM-software is tested and parts are machined under CNC workshop conditions. Customers, resellers and our partners greatly benefit from the practical experience.

Perfect Testing for our Latest Technologies

Our latest technologies are tested and proven out in-house. Therefore customers benefit from industry tested methods and just as importantly knowledge that they are used with the "right" tooling and work-holding for the very best advice with our collective partners.

Live Cutting Seminars

Our Technology Centre provides you with the practical experience of seeing the powerful SolidCAM with iMachining in action. In-depth demonstrations of the software are followed by 'live' cutting on CNC machines.

Tooling and work-holding partners will be available to help provide advice on "best" practices, so the whole solution of CAD model through to finished part becomes a total practical experience.

Join our Live Cutting Webinars

Our live-cutting webinars events are perfect for those unable to attend a live seminar event or considering the benefits of attending. See our website for details of upcoming events.

Practical Training

Many customers are new to CNC machining, so our Technology Centre can provide customers with the normal classroom training plus practical training giving live experience of taking code to a CNC.

Special Projects

Many Customers want to test new technology, but often do not have spare capacity in-house due to production constraints. The Technology Centre can provide an outlet to bring their own material and together with our partners help prove the best technology to complete their projects.

Mazak CV5-500 for LIVE-Cutting

The unique, revolutionary Milling technology
iMachining®
patent by SolidCAM

High-accuracy Simultaneous 5-axis Vertical Machining Centre to demonstrate the full range of SolidCAM modules and strategies:

- iMachining 2D/3D Fast Metal Removal
- 3D HSM Finishing
- Simultaneous 5 Axis Strategies
- Barrel Cutting
- Edge Breaking/Edge Trimming
- Swarf Machining
- Multi-Axis Machining/Drilling
- Port Machining/Multi-Blade Machining

iMachining shown at every live cutting day!

Cycle Times reduced by 70% & more makes you the most money possible from Your existing CNC machines!

Star ST-20 Sliding Head CNC

SolidCAM MillTurn & Swiss

Designed for high productivity and equipped with superb complex machining capability, this Sliding Head (Swiss Type) CNC is the perfect machine to test and demonstrate SolidCAM – the complete Solution for Advanced Multi-Turret/Spindle Mill-Turn and Sliding Head CNC machines:

- Advanced Rest Material Handling
- Machine Control Operations: MCO
- Part transfer between spindles
- Advanced Machine Simulation
- Channel Synchronisation
- Well structured and verified Post processors – made by our dedicated UK Technical Team

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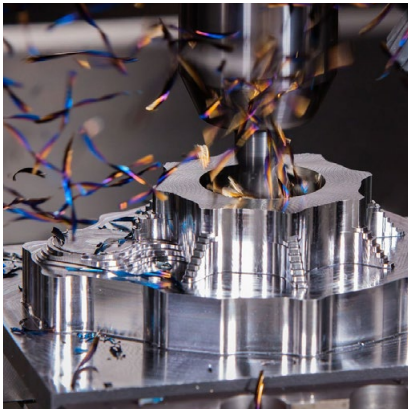
Building the Future of Manufacturing together!

2.5D Milling | iMachining 2D/3D | Indexial 4/5-Axis
HSS High-Speed Surfacing | 3D High-Speed Machining
Sim 5X Milling | Turning | Mill-Turn Machining
Swiss-Type Machining | Solid Probe | Feature-Recognition

Seamlessly integrated in SolidWorks, Solid Edge & Inventor



iMachining 2D/ 3D

iMachining - the revolutionary milling technology is fully integrated in SolidWorks, Solid Edge and Inventor and makes you and your CNC machines more profitable and more competitive than ever before.

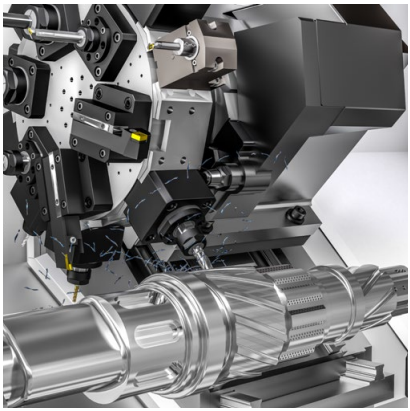
A real breakthrough in CNC milling toolpath technology, iMachining enables significantly faster and deeper machining by optimising tool cutting angles and feed rates throughout the tool path.

- Saves 70% and More in Machining Time
- Extends Tool Life Dramatically
- Patented Technology Wizard
- Provides Automatic, Optimal Feeds & Speeds

Simultaneous 5X Milling

Benefit from the most tested and proven Simultaneous 5-Axis machining tool paths in the industry with a user-friendly interface, collision checking and the most advanced control over all aspects of tool path:

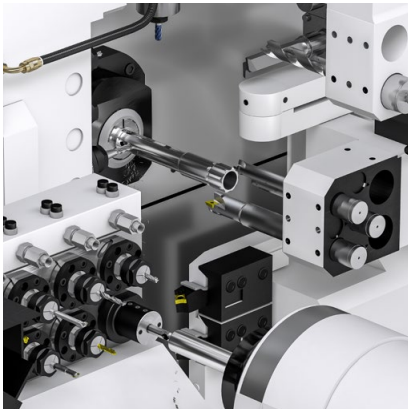
- Wide variety of SIM 5x cutting strategies, including specific edge breaking and edge trimming operations
- Flow line cutting produces a toolpath that follows the shape of the component
- Multi-surface finish machining keeps the tool normal to the surface (or with specified lead and lag) to provide a smooth surface finish
- Automatic collision avoidance strategies that check each part of both the tool and holder



SolidCAM Mill-Turn

Modern Multi-Tasking Machining centres are designed to combine as many milling and turning operations as possible to manufacture workpieces at maximum productivity. SolidCAM supports the most complex CNCs with unlimited number of axes and channels. SolidCAM's Advanced Machine Simulation shows the complete kinematics and all machine elements, providing full tool-path simulation and verification for all your milling and turning operations.

- Comprehensive turning package with powerful toolpaths and techniques for fast and efficient turning and milling.
- SolidCAM produces advanced rough and finish profile turning, together with support for facing, grooving, threading and drilling cycles.
- Turning geometries and profile can be generated very quickly, easily adopted or modified for production.



Sliding-Head Machines

Within the unique SolidCAM user interface, you program milling and turning operations on main and back spindles, control turrets, tailstocks, steady rests and linear tool carriers.

For shortest cycle times, our easy-to-use Channel Synchronisation Manager guides you through the order of operations, shows clashes and assists you to avoid them. It is perfect for synchronising and optimising all your machining operations for maximum output.

With Machine Control Operations, MCOs, you can define various CNC machine actions, in addition to machining operations programmed in SolidCAM, e.g. change tool, move machine components, transfer stock, clamp/unclamp fixture, program bar feeder etc.

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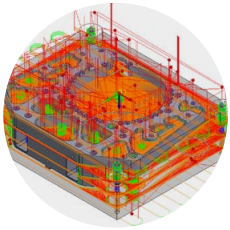
MillTurn & Swiss

> With SolidCAM, programming is very easy, its all very graphical, you can understand what's going to happen and what's not going to happen. The service and training we have had has been great, we can't fault the service and support we have had. I can see us buying more licences in the near future."
>
> Chris Pritchard | Brafe Engineering



> The full integration of SolidCAM into SolidWorks just made everything easy; no intermediate filetypes, auto model update, and it 'feels' comfortable, as we have been using SolidWorks for 15 years now, so it's not a new interface to learn, which meant we were up and running faster and less likely to make geometry errors etc."
>
> Dr. Matthew Chamberlain | CTR Developments

> The extensive knowledge and local support that SolidCAM brings is invaluable, not only for the software but also the Post Processor writing. With complex Sliding Head Machines here at Trust Precision, being able to program these consistently and productively in a CAM system along with swift support when needed means that SolidCAM is a key part of our production process."
>
> Stephen Doyle | Trust Precision Engineering

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Yes we CAM!

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