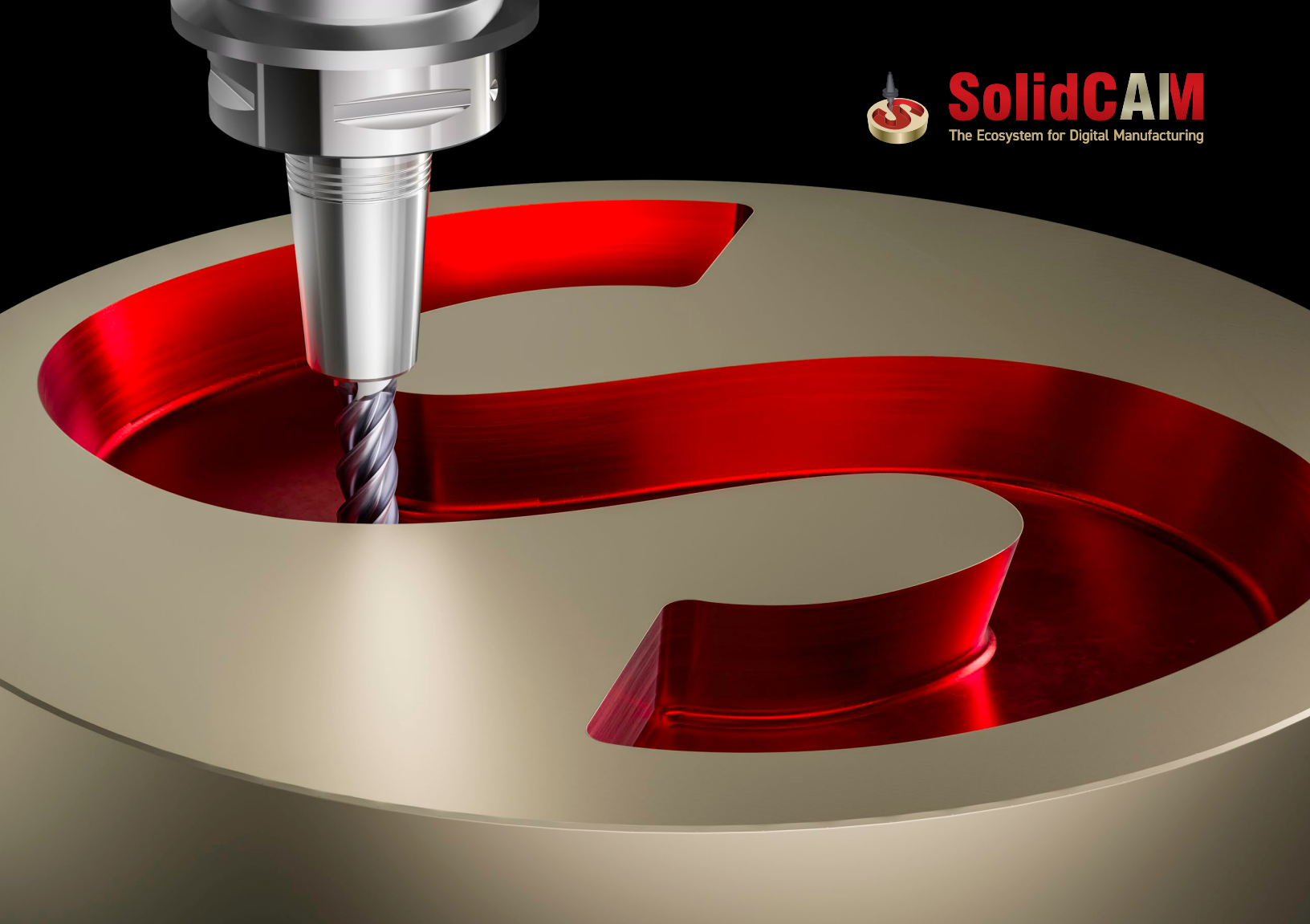




SolidCAM
The Ecosystem for Digital Manufacturing



THE COMPLETE ECOSYSTEM FOR DIGITAL MANUFACTURING

UNLOCK THE FULL POTENTIAL OF YOUR MACHINE SHOP

2.5D & 3-Axis to Simultaneous 5-Axis Milling · iMachining 2D & 3D · Multi-Channel Mill-Turn ·
Swiss-Type · NC Code & Machine Simulation · Digitally Connected Shop Floor

ONE PARTNER. ONE ECOSYSTEM.

FROM CAM PROGRAMMING TO THE DIGITALLY CONNECTED SHOP FLOOR



40+

Years of CAM Innovation

400+

SolidCAM Professionals

22,000+

Manufacturing Customers

100+

Sales & Support Partners

SOLIDCAM AT THE CORE

- **Complete CAM platform** for 2.5D, 3D, HSS, HSM, Simultaneous 5-Axis, Multi-Channel Mill-Turn, Swiss-Type, Wire EDM and Probing.
- **Integrated CAD/CAM** with seamless associativity in SOLIDWORKS and additional CAD integrations.
- **Manufacturing expertise** supported by experienced application engineers and certified postprocessors.

EXPANDING CUSTOMER VALUE

- **SolidShop** extends SolidCAM from CAM programming to shop-floor digitization, connectivity, monitoring and production data.
- **Manufacturing AI** adds knowledge assistance, CAM workflow intelligence and shop-floor insights.
- **One trusted ecosystem** reduces software silos, improves traceability and helps manufacturers increase CNC productivity.

All from one source – software, posts, support, shop-floor connectivity and manufacturing intelligence.

SOLIDSHOP - THE COMPLETE ECOSYSTEM FOR DIGITAL MANUFACTURING

CONTROL. CONNECT. MONITOR. OPTIMIZE

G-Code Editor

Advanced G-Code editing, backplotting and toolpath simulation

G-Code Machine Simulator

True G-Code machine simulation, collision checking and ultra-fast GPU-based material removal

SolidCAM for Operators

CAM data, setup information and approved edits at the CNC

Shop PDM

Fast controlled access to centralized manufacturing data and revision history

Shop DNC

Robust connectivity for Serial and Ethernet communication

Shop Monitoring & ERP Integration

Live CNC monitoring, production reporting and ERP business systems integration

SolidShop creates the connected data foundation and Manufacturing AI turns shop-floor activity into actionable manufacturing intelligence.

MANUFACTURING AI – KNOWLEDGE. WORKFLOW. PRODUCTIVITY.

SolidCAM provides the machining intelligence. SolidShop provides the connected manufacturing data. Manufacturing AI turns both into better decisions and actions.

01 SolidCAM ChatBot

available



- ✓ 24/7 multilingual access to SolidCAM knowledge for customers, resellers and SolidCAM teams
- ✓ Grounded answers based on manuals, videos, training and support content.

02 SolidCAM Copilot

coming soon



- ✓ Embedded in the CAM programming workflow
- ✓ Suggests strategies, tools, operations and process templates
- ✓ Uses SolidCAM APIs for controlled programming automation

03 WizChat

coming soon



- ✓ Agentic AI for Manufacturing
- ✓ Will analyze machine monitoring and ERP/MES data
- ✓ Will reduce idle time & bottlenecks and improve equipment utilization
- ✓ Will explain productivity problems and create management-ready insights

CAM PROGRAMMING INSIDE SOLIDWORKS

One model.
One data set.
One continuous process.



Gold-certified integration

Works directly in SOLIDWORKS – since 2003



Fully associative

Toolpaths update when the CAD model changes.



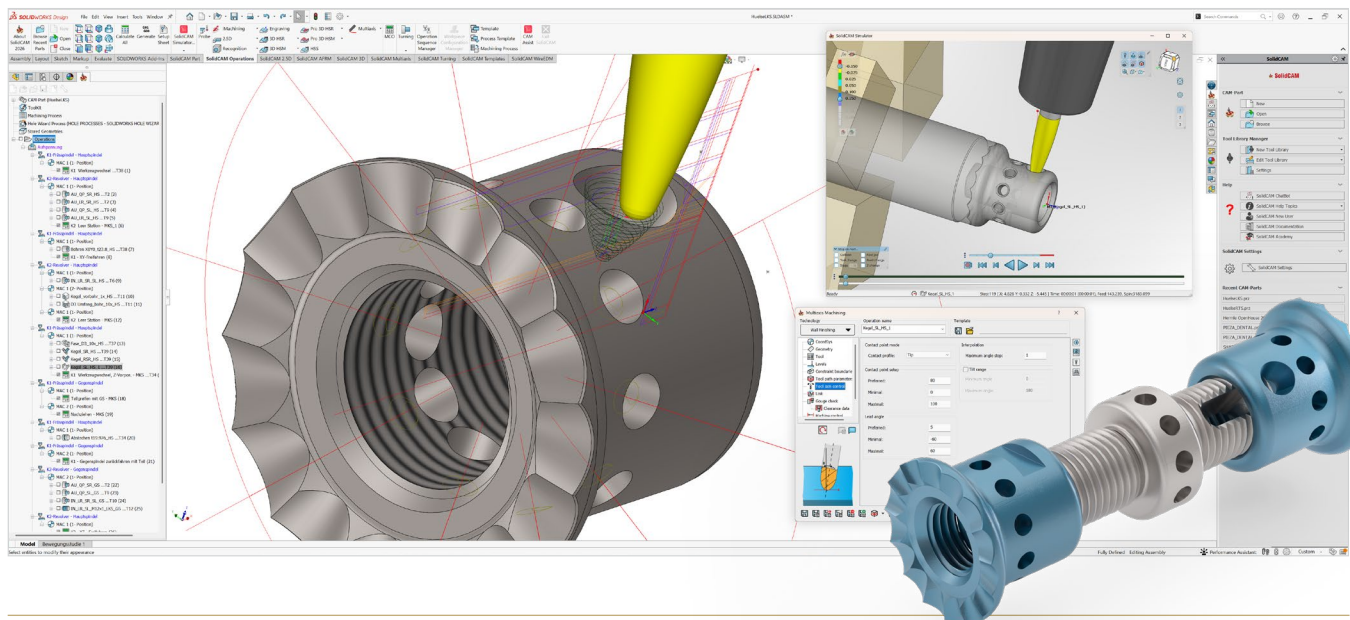
One data model

No unnecessary export/import cycle between design and CAM



Assembly context

Fixtures, jigs and machine environment can be programmed in context.



COMMON CHALLENGES. REAL SOLUTIONS.

Reduce cycle times, increase output

High-efficiency strategies, iMachining and optimized toolpaths help you to get more parts out of the shop – faster.

Machine complex parts

Advanced 3D, Simultaneous 5-Axis, Mill-Turn and Swiss-Type technologies give you the power to easily program and machine even the most challenging parts.

Program faster with automation

Feature recognition and automation, templates, reuse capabilities and AI enhancements can drastically reduce programming time.

Streamline setups, reduce downtime

Integrated CAD/CAM and software tools for shop-floor staff, clear part setup documentation and machine simulation help teams set up and run jobs with confidence.

REDUCE PROGRAMMING BOTTLENECKS AND UTILIZE
THE FULL POTENTIAL OF YOUR CNC MACHINES

ONE CAM FOR YOUR ENTIRE CNC FLEET

3- & 5-Axis Milling,
Turning, advanced Mill-
Turn and Swiss-Type in one
programming environment.

3- & 5-Axis Milling Machines



Multi-Axis- & Multi-Channel
Mill-Turn Centers



Swiss-Type CNCs



1x CAM Platform · 1x Postprocessor Partner
1x Training Path · 1x Support Network

iMACHINING – TURBOCHARGE YOUR CNC MACHINES

SolidCAM's patented iMaching technology combines efficient toolpaths with an expert Technology Wizard that automatically calculates feeds, speeds & cutting conditions.

- + Shorter cycle times
- + Longer tool life
- + Automatic cutting-condition optimization
- + High productivity across a wide range of materials

Time per part	Material	Time Savings
17-min → 6 min	AL 6061	65%
17-min → 3.5 min	Titanium	80%
146-min → 28 min	AISI 1020	81%

TIME SAVINGS
70%
... AND MORE!



“It was simply astonishing – iMaching worked right away. On all parts we now achieve savings of 65 to 75%.”

Heidkamp Metallverarbeitung, Germany

FOUR TECHNOLOGIES. ONE CAM PLATFORM.

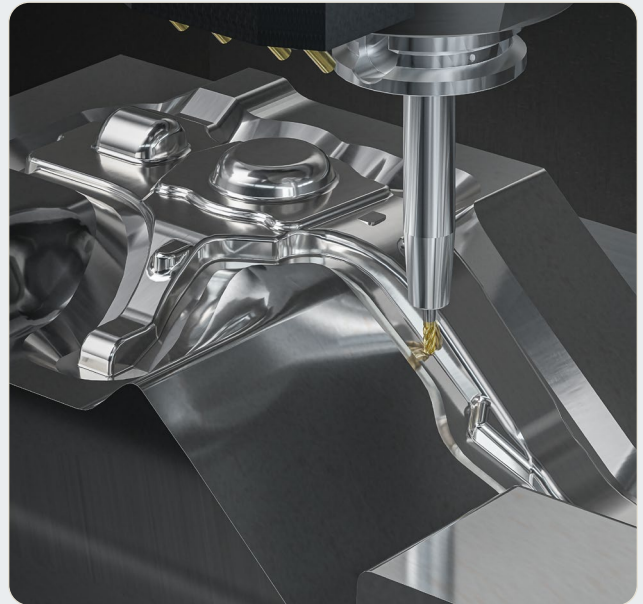
Proven solutions for Advanced Milling, Multi-Channel Mill-Turn and Swiss-Type CNCs

PRO 3D HSR / HSM

SolidCAM Pro 3D HSR / HSM provides next-generation high speed machining for complex 3D parts, mold & dies.

- + Fast Roughing, Rest Roughing, Semi-Finishing & Finishing
- + Fast programming with minimum user input
- + Ultra-fast calculation with optimized toolpaths
- + Intelligent collision avoidance & smart feed-rate control
- + High-quality surfaces for complex 3D parts, molds & dies

**HIGH-SPEED 3D MACHINING.
EXCEPTIONAL SURFACE QUALITY.**



SIMULTANEOUS 5-AXIS MILLING

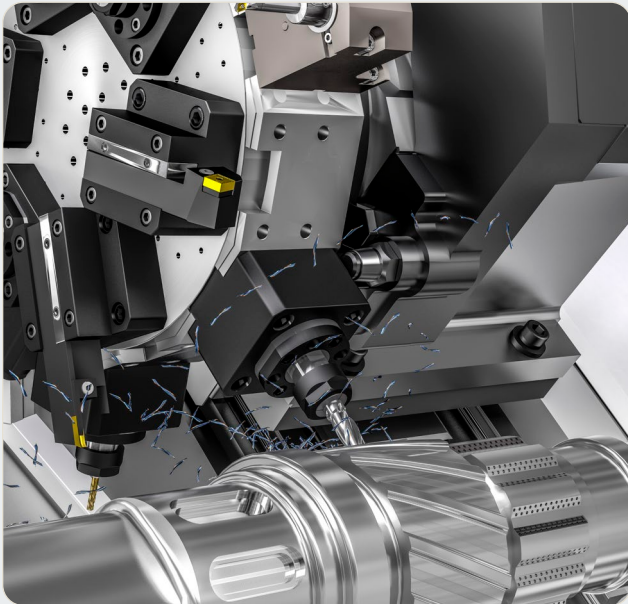
Benefit from proven, advanced 5-Axis machining strategies, with a user-friendly interface, collision checking and precise control over every aspect of the toolpath.

- + Flowline, Multi-Surface and Geodesic strategies
- + Automatic collision avoidance for tool and holder
- + Special operations for impellers & blisks, contour 5-axis, port and screw machining, 5X edge breaking and edge trimming of thin materials.

COMPLEX PARTS. COMPLETE CONTROL.

MILL-TURN & SWISS-TYPE EXCELLENCE

All milling and turning operations in one CAM-Manager with one single postprocessor.



MULTI-CHANNEL MILL-TURN

SolidCAM unifies milling and turning for advanced multi-turret, multi-spindle and B-axis CNC machines in one integrated programming environment.

- + Program main and sub-spindles, part transfers, turrets and machine functions
- + Machine control operations for CNC machine actions
- + Updated Stock follows the workpiece between spindles to reduce air cutting
- + Synchronize and optimize Multi-Channel operations

SAFE PROGRAMS. SHORTER CYCLES. MAXIMUM MACHINE UTILIZATION.

SWISS-TYPE MACHINING

SolidCAM provides complete offline programming, optimization, simulation and verification for today's complex sliding-headstock CNC machines.

- + Turning and C-, Y- and B-axis milling on main and back spindles including part transfers
- + Automatic Multi-Channel synchronization, including superimposition modes
- + ToolKit and dedicated postprocessors for demanding Swiss-Type configurations

PROGRAM. SIMULATE. SYNCHRONIZE. PRODUCE!



5 REASONS WHY **SOLIDCAM** FITS YOUR SHOP

ONE SYSTEM FOR ALL MACHINES

Milling, Turning, Mill-Turn, Multi-Channel, Swiss-Type. One CAM, one point of contact, one database.

iMACHINING PRODUCTIVITY

Drastically shorter cycle times and longer tool life. Patented and proven, with real-life success stories.

PARTNER, NOT JUST SOFTWARE

Over 40 years of CAM experience, highly rated support, SolidCAM e-Learning academy and more than 22,000 customers worldwide.

SEAMLESS SOLIDWORKS INTEGRATION

Gold-certified, single window integration in SOLIDWORKS. One model, one interface and fully associative.

PROCESS RELIABILITY

Machine simulation, Solid Probe and certified postprocessors. Only verified NC code reaches the machine.

2.5D Milling | iMachining 2D | iMachining 3D | AFRM | HSS High-Speed Surfacing | Indexial 4/5-Axis Milling | HSR/HSM 3D High Speed Machining
Pro 3D HSR/HSM | Simultaneous 5x Milling | Solid Probe | Turning | Multi-Channel Mill-Turn | Swiss-Type Machining | SolidCAM for Operators



SolidCAM — CAM Intelligence
SolidShop — Connected Digital Manufacturing
Manufacturing AI — Knowledge, Reasoning and Action