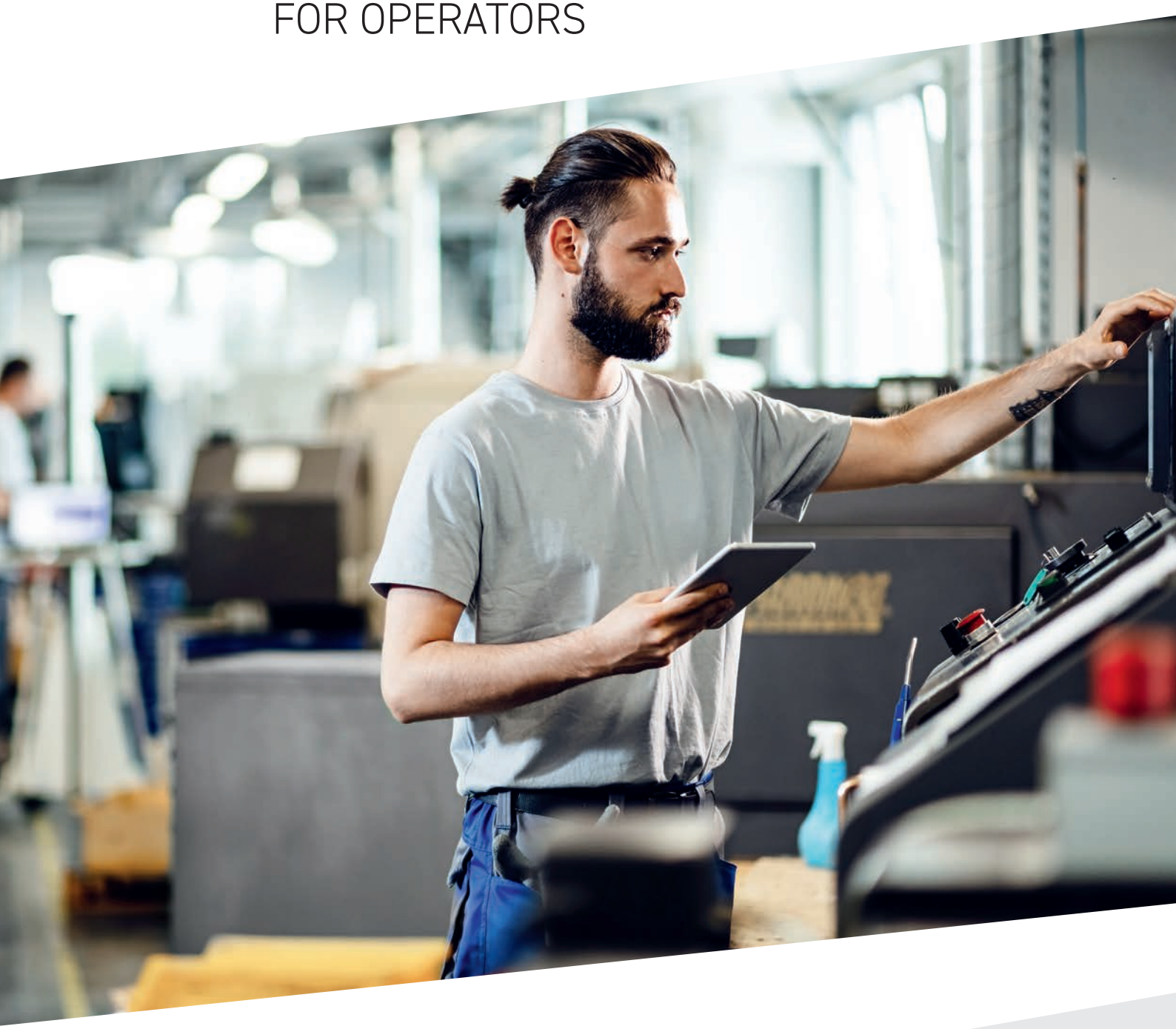
THE FUTURE OF CAM

SolidCAM
FOR OPERATORS

Powerful Tool for
Operators at the CNC



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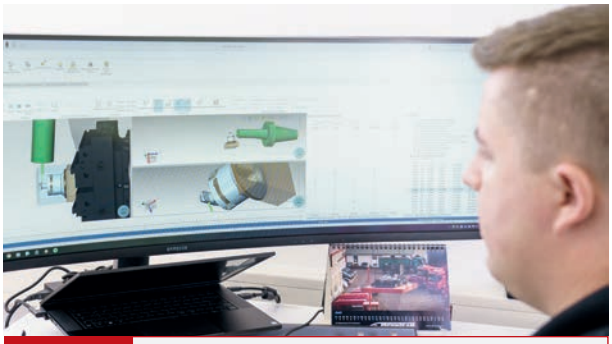
SolidCAM for Operators

POWERFUL TOOL FOR YOUR CNC OPERATORS

In many machine shops, there is a complete separation between CAM Programmers and CNC Operators.



LEVEL 1 **CAM PROGRAMMERS**

CAM Programmers are technologists that determine the strategy for machining a part on the shop floor. Usually well acquainted with CNC technology and capabilities, a CAM Programmer uses SolidCAM to define the machining process, using a variety of machine operations.

At each stage, the Programmer can use the SolidCAM simulation capabilities to check the operations and then produce a G-Code file.

LEVEL 2 **CNC OPERATORS**

CNC Operators get the G-Code file, list of tools, a setup sheet showing the part clamping and locations of work offsets.

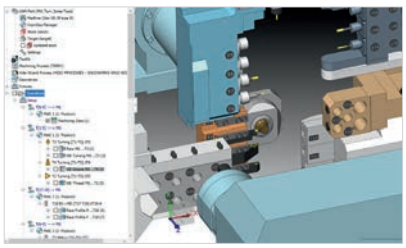
They then perform a step-by-step dry run at the CNC of the machining operations, to verify that the G-Code prepared by the Programmer is error-free, with no collisions. This then ensures that they can run the machine with a real part without concerns.

Often the Operator lacks a clear understanding of the machining process, and minor changes may be required in the G-Code, such as changing cutting conditions or offsets of the tools. This forces a return to the Programmer for clarification and minor editing, generally leading to delays in the workflow.

SolidCAM for Operator bridges the work of CAM Programmers and CNC machine Operators, and greatly assists to streamline the Machine Shop process. With SolidCAM for Operators, the Programmer and Operator use the same software allowing the Operator to see what the Programmer sees.

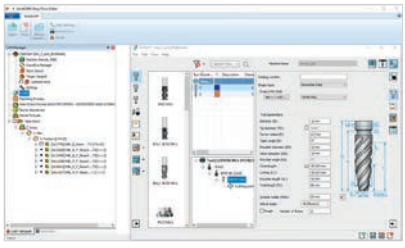
SolidCAM for Operators provides advantages for every Shop:

- **Minimize Reliance on 'Dry-Runs':** SolidCAM for Operators enables Operators to step-through each move in the G-Code program, reducing setup time and the need to 'dry-run' programs on the CNC.
- **Preventing CNC Machine and Tool Damage:** Operators see full simulations so they can prevent unexpected crashes or collisions.
- **Working Efficiently:** Operators can make minor adjustments, without needing to rely on the CAM Programmer, who is already busy programming the next part.
- **Full Setup Picture:** SolidCAM for Operators enables the Operator to see all details of each operation, including Tools, Setup Definition, Stock Clamping, Work Offsets, and full simulation of the process.



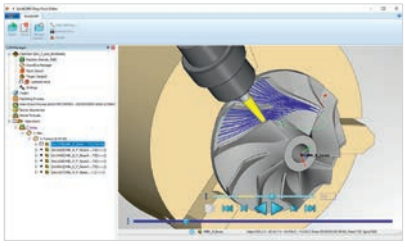
EDITOR MODE

SolidCAM for Operators **Editor** mode enables the CNC Operator to open existing CAM parts, created by the SolidCAM Programmers, edit the operations if needed (e.g. change step down or change speeds and feeds), recalculate, simulate, then post-process new G-code, right by the CNC.



EDITOR LT MODE

SolidCAM for Operators **Editor LT** mode enables the CNC machine Operator to open existing CAM parts, created by the SolidCAM Programmers, view the operations, edit toolkit, view the part setup, simulate, then post-process G-code, right by the CNC machine.



SIMULATOR MODE

SolidCAM for Operators **Simulator** mode enables the CNC Operator to see the Tool table list with full details, understand the clamping, work offsets, and see simulation of the CAM Part, before running the G-Code on the CNC machine. Simulator mode has no CAM part editing capabilities at all.

Powerful Tool for Operators at the CNC

SolidCAM
FOR OPERATORS

Improve communication between CAM Programmers and CNC Operators

Reduce setup time and minimize need for dry-runs

Reduce CNC machine downtime

Avoid machining the wrong revision of CAM parts

Avoid costly collisions that cause damage to CNC and tools

Verify and simulate CAM programs right at the CNC machine

	EDITOR	EDITOR LT	SIMULATOR
View the model, including Fixtures and location of work offsets	✓	✓	✓
View the tool table in full detail	✓	✓	✓
View all machining operations, data and defined geometries	✓	✓	✓
View Cutting conditions for each operation	✓	✓	✓
Fully simulate the machining process	✓	✓	✓
Change the Tool data and cutting conditions	✓	✓	
Calculate operations	✓	✓	
Regenerate G-Code after edits	✓	✓	
Change the operations data	✓		
Change the setup definition	✓		

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