**Tebis SmartOps:** Automated CAD/CAM processes that maximize efficiencies in single-part manufacturing

**Tebis presents its revolutionary SmartOps Technology**

Approx. 6,000 characters

7 images

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**Your shortcut to success  
Tebis launches its new CAD/CAM process solution: Tebis SmartOps Technology**

**((Place and date))—Tebis introduces its revolutionary SmartOps Technology, an innovative solution for automating design and CAM processes, specifically developed to address the requirements of single-part manufacturing. Users benefit from a unique combination of speed, flexibility and process reliability, providing a genuine shortcut to success thanks to consistently reproducible results.**

Single-part manufacturing demands rapid, precise solutions—both on the machine and throughout the CAD/CAM process. Tebis SmartOps automates recurring work tasks, significantly reducing the workload on teams. The result: reduced time pressure, increased process reliability, safer manufacturing, and enhanced flexibility for employees.

**Automated. Flexible. Simple. Fast.**

* **Automated:** CAD/CAM processes are intuitively dialog-driven and run nearly autonomously.
* **Flexible:** Whenever needed and whatever the task, users can make manual adjustments.
* **Simple:** Intuitive operation means high-paced completion of NC programs.
* **Fast:** High-quality NC programs—created in record time.
* **End-to-end**: With Tebis process solutions, subsequent steps in the production process can also be significantly simplified and largely automated.

**Modular and scalable—ideal for all manufacturing needs**

SmartOps supports custom configuration: For instance, individual functions can be automated or combined into powerful sets. Typical process steps—such as importing CAD data, measuring blanks, positioning clamping devices, selecting materials and machines, setting measurement points, creating measuring paths, and generating CAM programs—can be linked intelligently and executed efficiently, even by less experienced users. Overall, the complete set of Tebis function modules can be used for SmartOps Technology.

**Flexible automation—no scripting or programming language knowledge needed**

Tebis SmartOps technology sets new standards for user-friendliness and flexibility. All task are performed within the familiar Tebis environment. Dialogs are fully customizable, with parameters that can be adjusted at any time. Machines, tools, and part variants can be quickly and easily exchanged—enabling maximum adaptability throughout the manufacturing process.

**Virtual process libraries—a hub for knowledge management**

SmartOps build on the proven Tebis process libraries, which include a comprehensive repository of machines, tools, and manufacturing strategies. This foundation enables the systematic application of a company’s manufacturing expertise, ensuring safe, automated, and transparent production processes.

**Impactful training—tech package included**

Within just one week, a focused training program equips teams with the skills needed for automated programming of prismatic parts. The featured highlight: A ready-to-use technology package that can be deployed at the company and expanded individually.

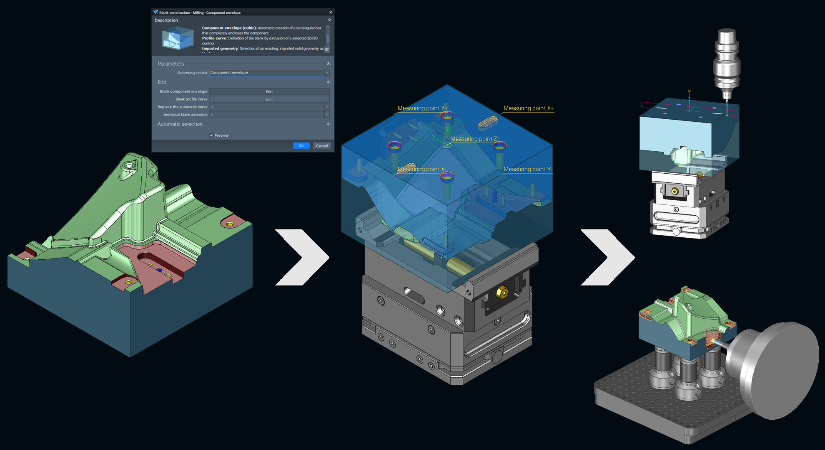
**Positive feedback from pilot projects: The CAD/CAM process solution—proven in practice**

Tebis SmartOps technology, developed in close cooperation with project partners, has already demonstrated its effectiveness across multiple application scenarios. Partners especially emphasize its user-friendliness and ability to maximize efficiencies in the manufacturing process.

On that subject, Christian Sellerer, Head of Mechanical Manufacturing at Christian Karl Siebenwurst GmbH & Co. KG, has this comment: “Tebis used SmartOps to continuously prepare and program one of our mold manufacturing slides for a milling application. I have to say: This experience makes me eager for more. We see great potential here and expect that SmartOps will help us simplify and improve our CAD and CAM processes. We look forward to learning even more about this new, promising and transformative technology at our workshop with Tebis.”

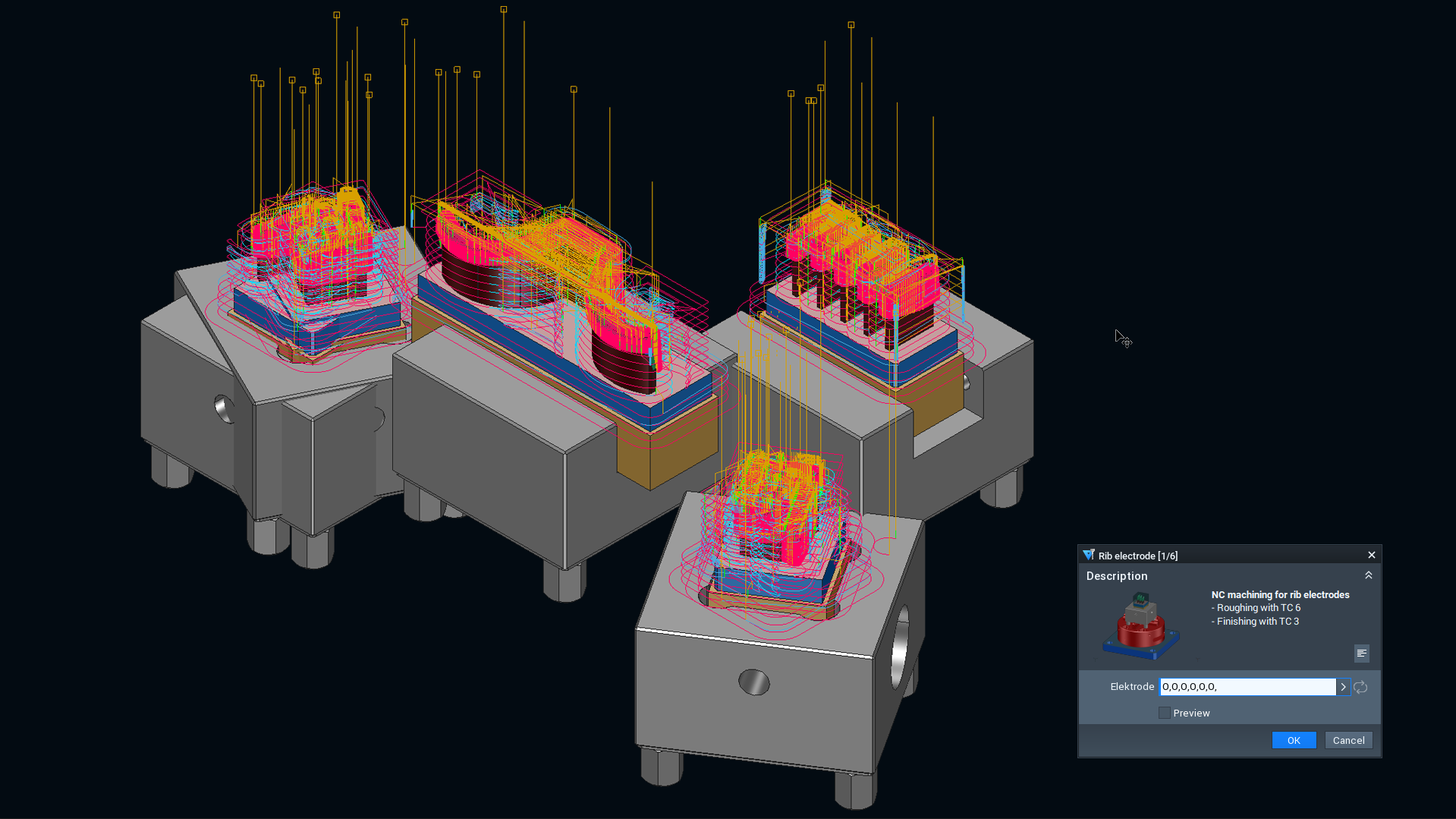
**Images**

**Image 1**

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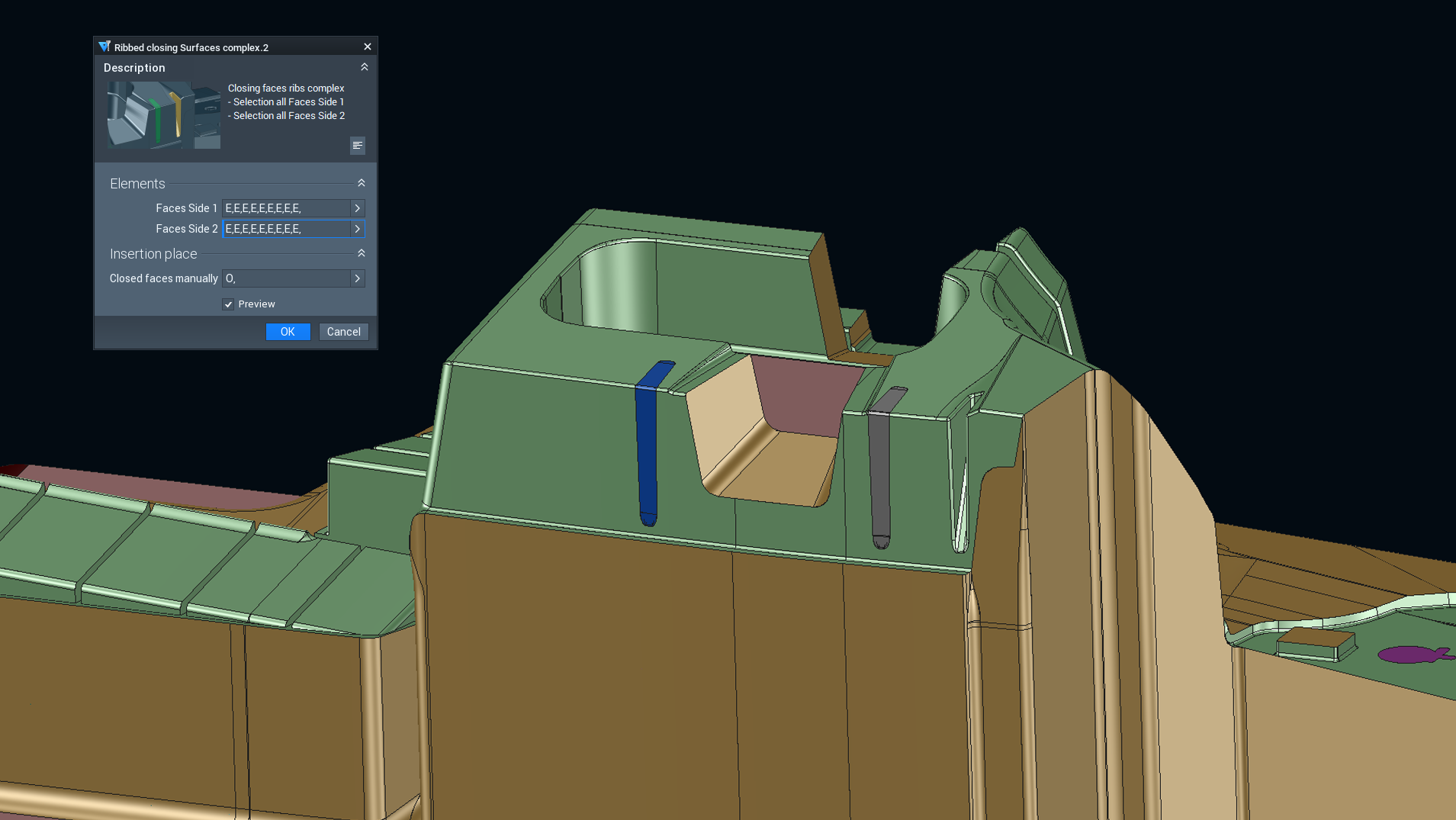
**SmartOps Technology** guides the CAD/CAM user through the entire CAD/CAM process—from data import to NC output. The user can accept the default settings or adjust them interactively at each process step.

**Image 2**

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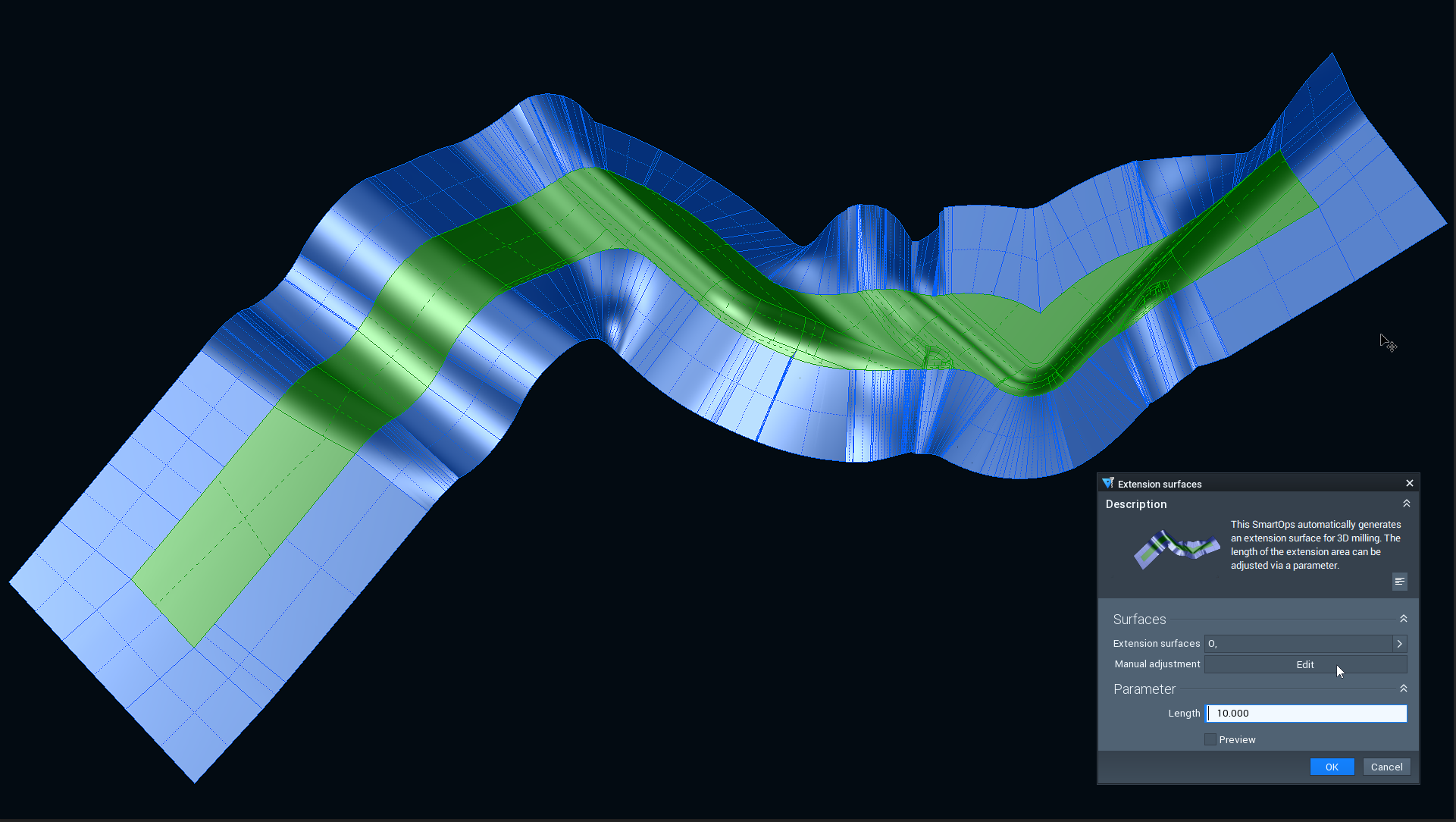
A perfect application for batch processing with SmartOps: Electrode design and milling.

**Image 3**

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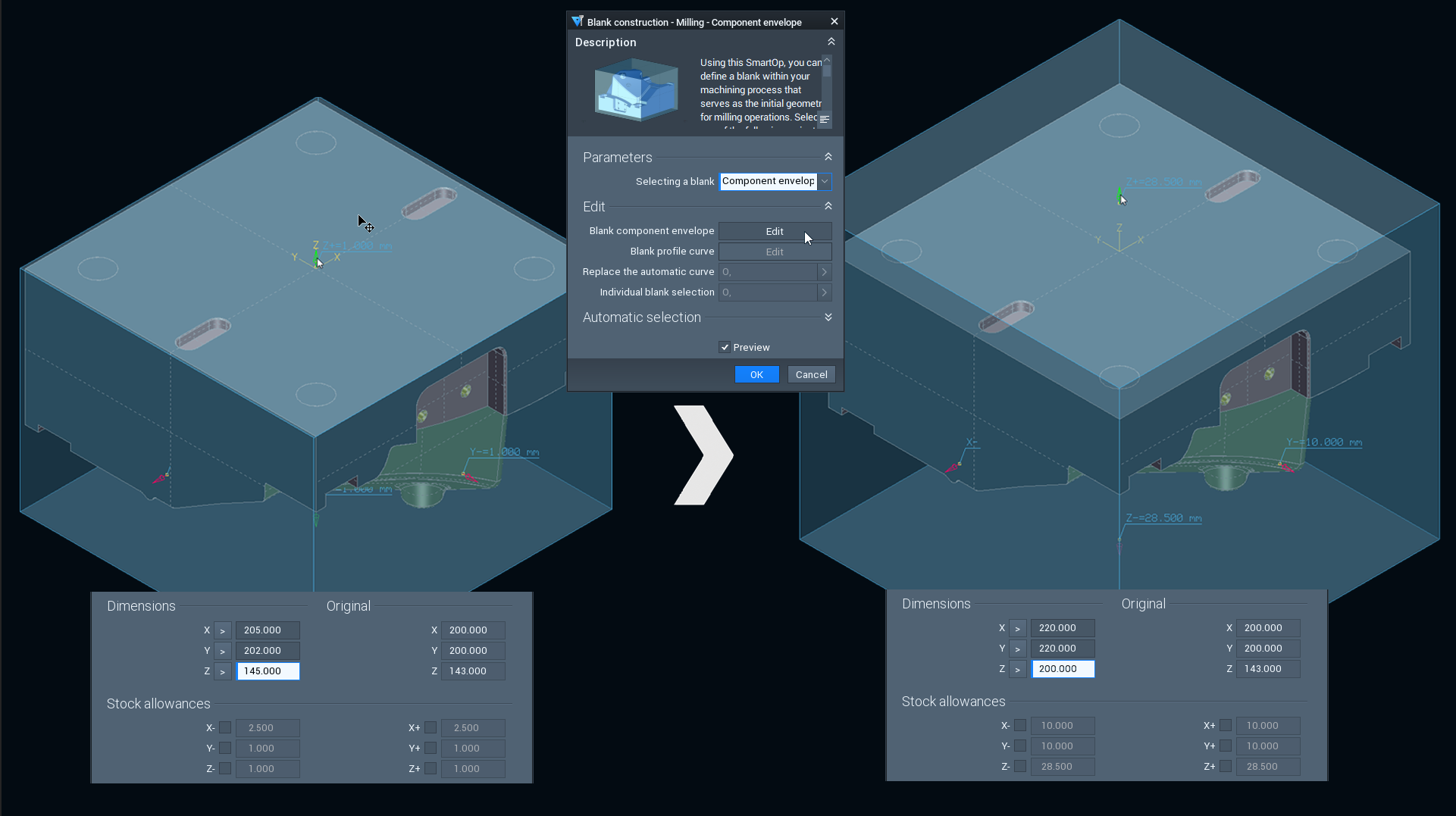
A practical example from Siebenwurst: SmartOps can close ribs with various levels of complexity quickly and automatically.

**Image 4**

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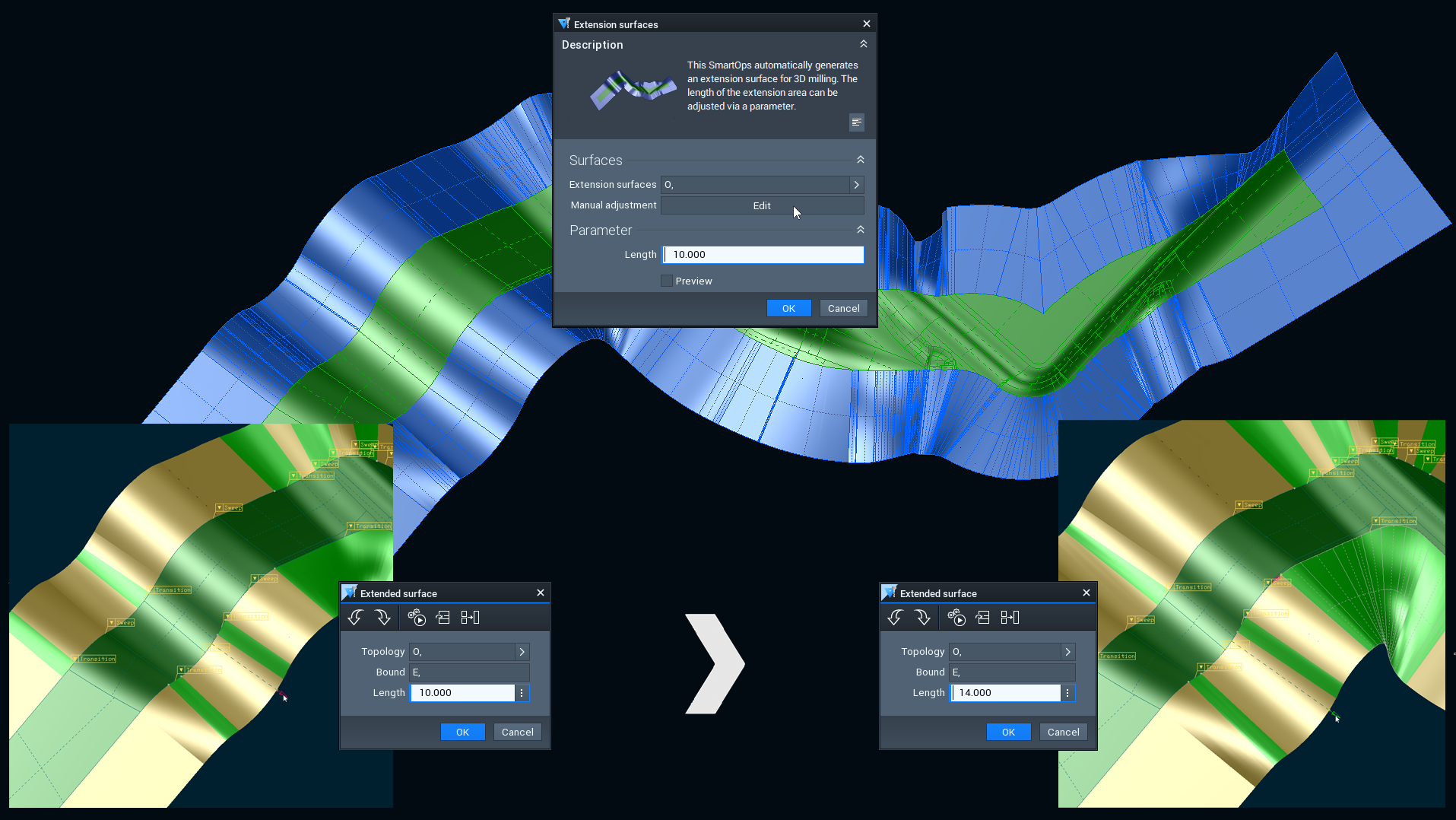
Even complex CAD functions, like extending complex free-form surfaces, can be integrated into SmartOps.

**Image 5**

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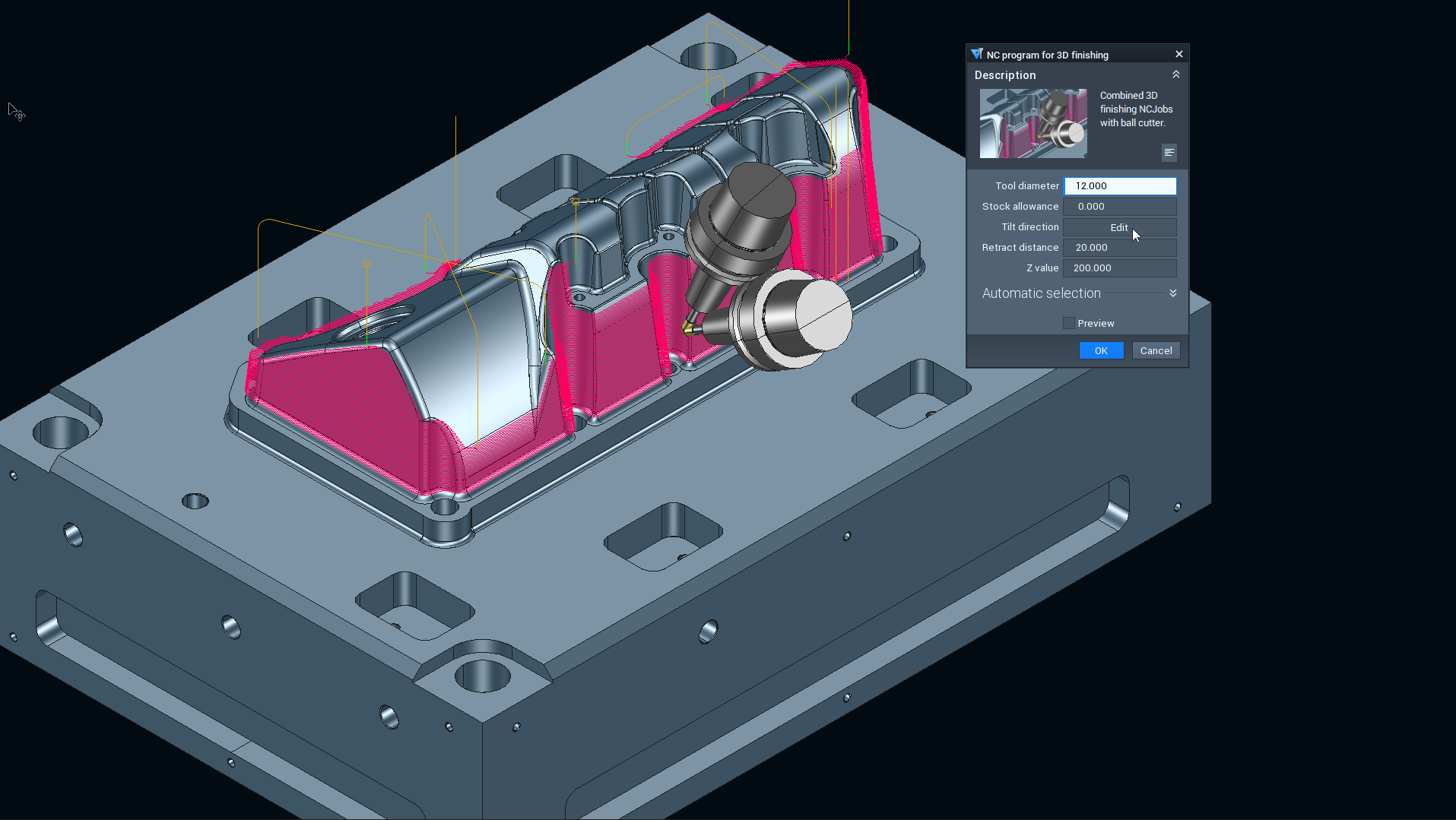
Here, the blank is enlarged manually during the wizard-based process flow.

**Image 6**

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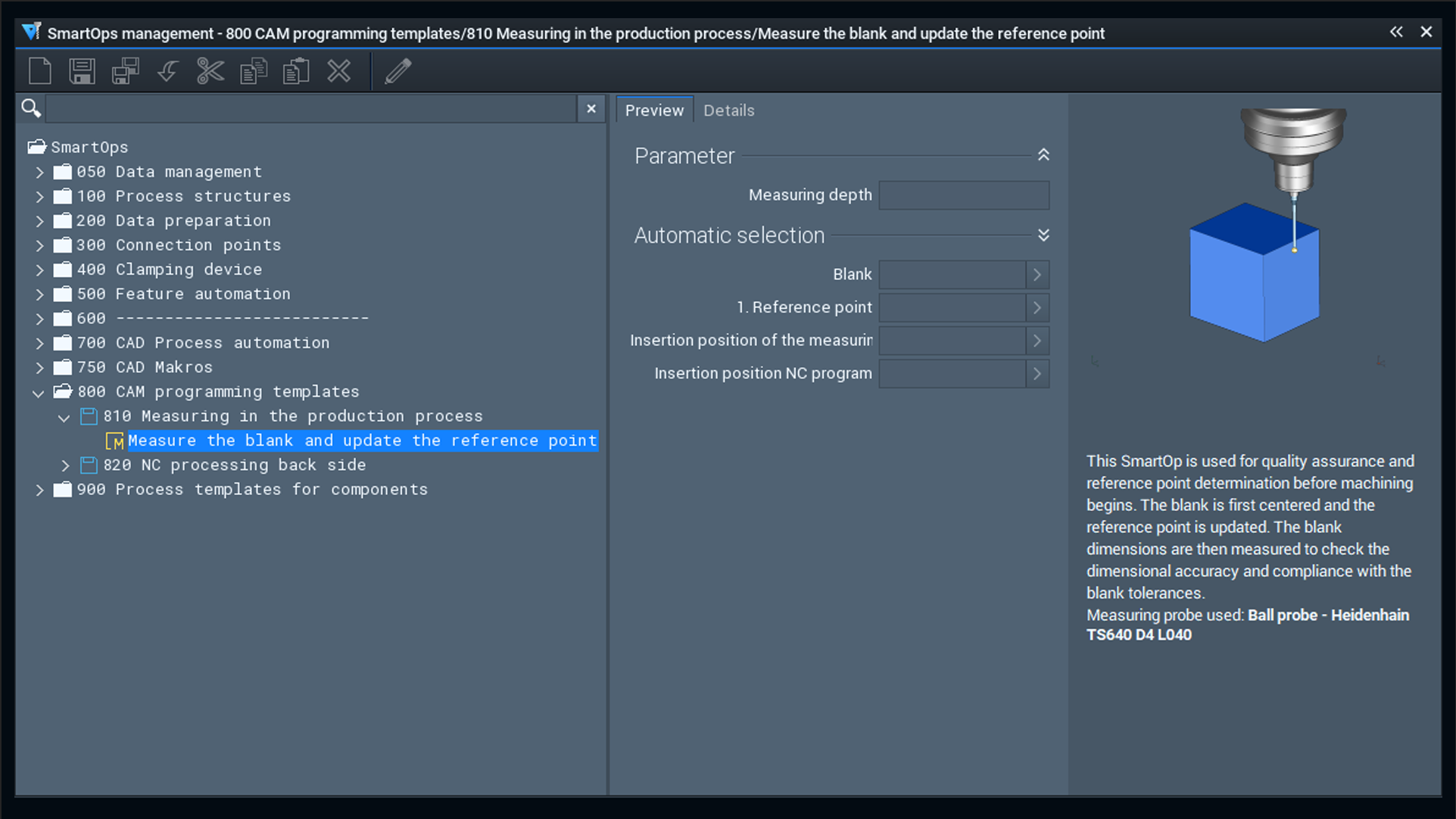
This example illustrates how the width of automatically extended areas is adjusted quickly and easily.

**Image 7**

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Interactive tool direction optimization.

**Image 8**

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SmartOps is managed in a separate process library that accesses all other Tebis libraries. That way, CAD/CAM users get a clear, concise display of only the information they need for their specific machining task.

**Tebis**

Tebis is a global market and technology leader in the CAD/CAM and MES sector. Customers use Tebis software to efficiently and safely design, plan and manufacture models, molding dies and components at the highest quality. Teams of consulting and implementation specialists with practical experience develop strategies for safe and efficient CAD/CAM processes, implement them in the customer’s infrastructure and ensure a viable technological and competitive advantage.

Tebis software has an intuitive user interface that guarantees a high level of quality and safety in manufacturing, even of highly complex parts. Thanks to the Tebis service offerings, customers can easily introduce new technologies and fully leverage the power of the Tebis process solutions.

The company is headquartered in Martinsried near Munich, Germany, and has nine branch offices around the world as well as distributors in eight other countries. 350 employees worldwide support Tebis’s customers, most of whom are in the automotive, aerospace and machine manufacturing sectors.

Automation has been a key factor in the Tebis formula for success for 40 years. Tebis sees itself as an innovator for customers on their path toward Industry 4.0.

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