

VirtualLine

Virtual Machine



The copy of your INDEX machine for the PC



The new standard of simulation

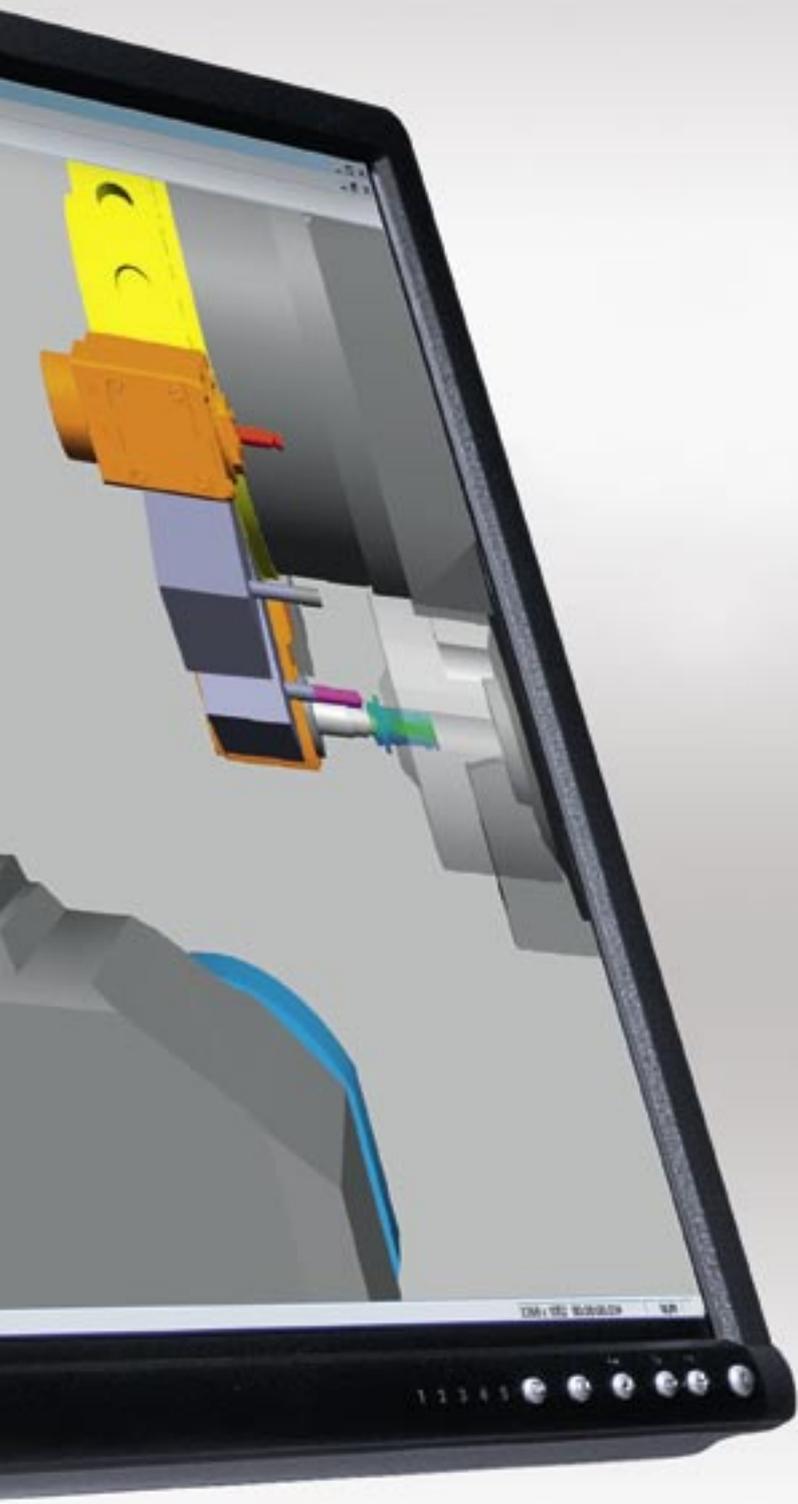


Simulation

- 3D model from construction including all tool carriers, spindles and tools
- Simulation of metal-cutting
- Collision monitoring
- Less time required for setup through simple troubleshooting on the PC
- Ideal for basic and advanced training

Programming

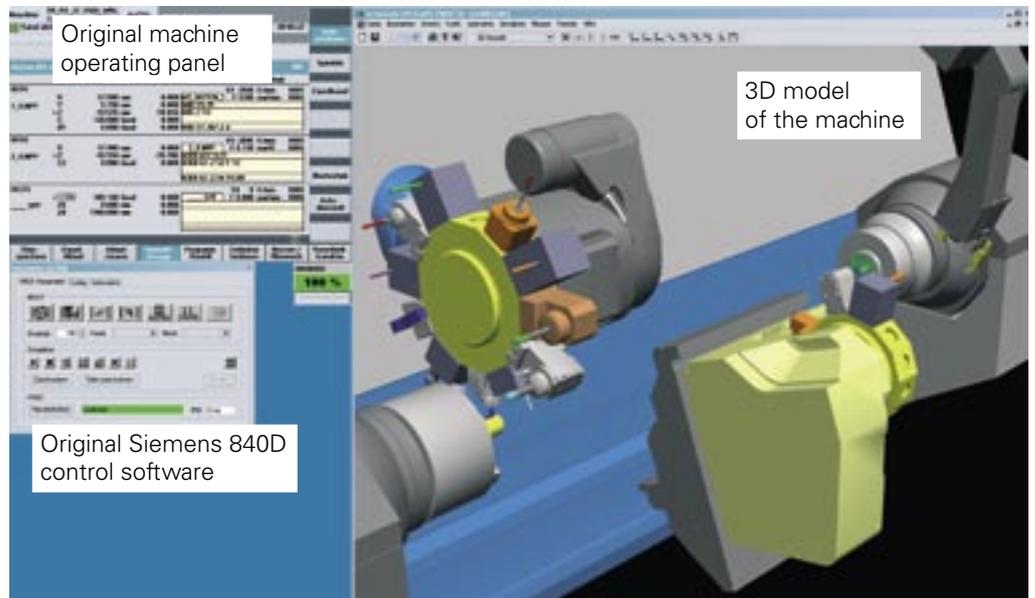
- Genuine Siemens 840D control with complete operating panel
- It contains all parameters, data and cycles of your INDEX machine
- Identical performance of the virtual and real machine
- Improved cycle times through optimized NC programs



A solid base for your success

3D copy of your machine

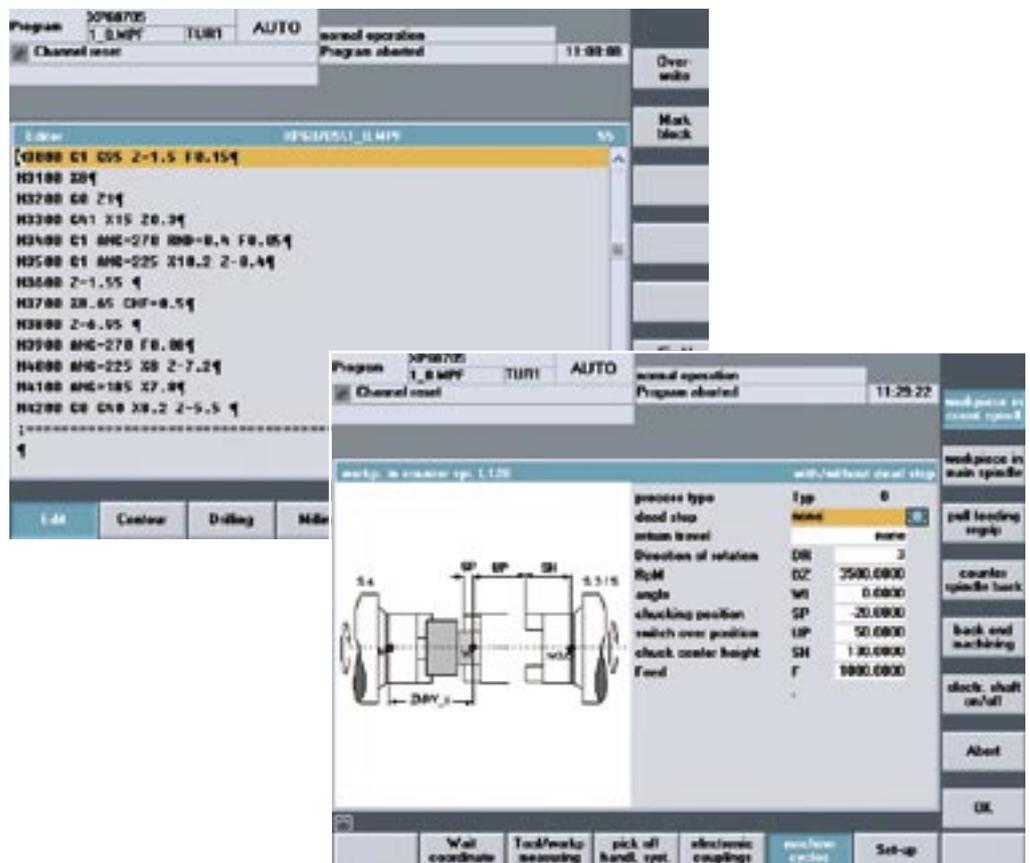
- INDEX machine geometric model
- Simulation sequence identical to that of the machine
- Identical operation of simulation and machine
- Already existing programs can also be simulated

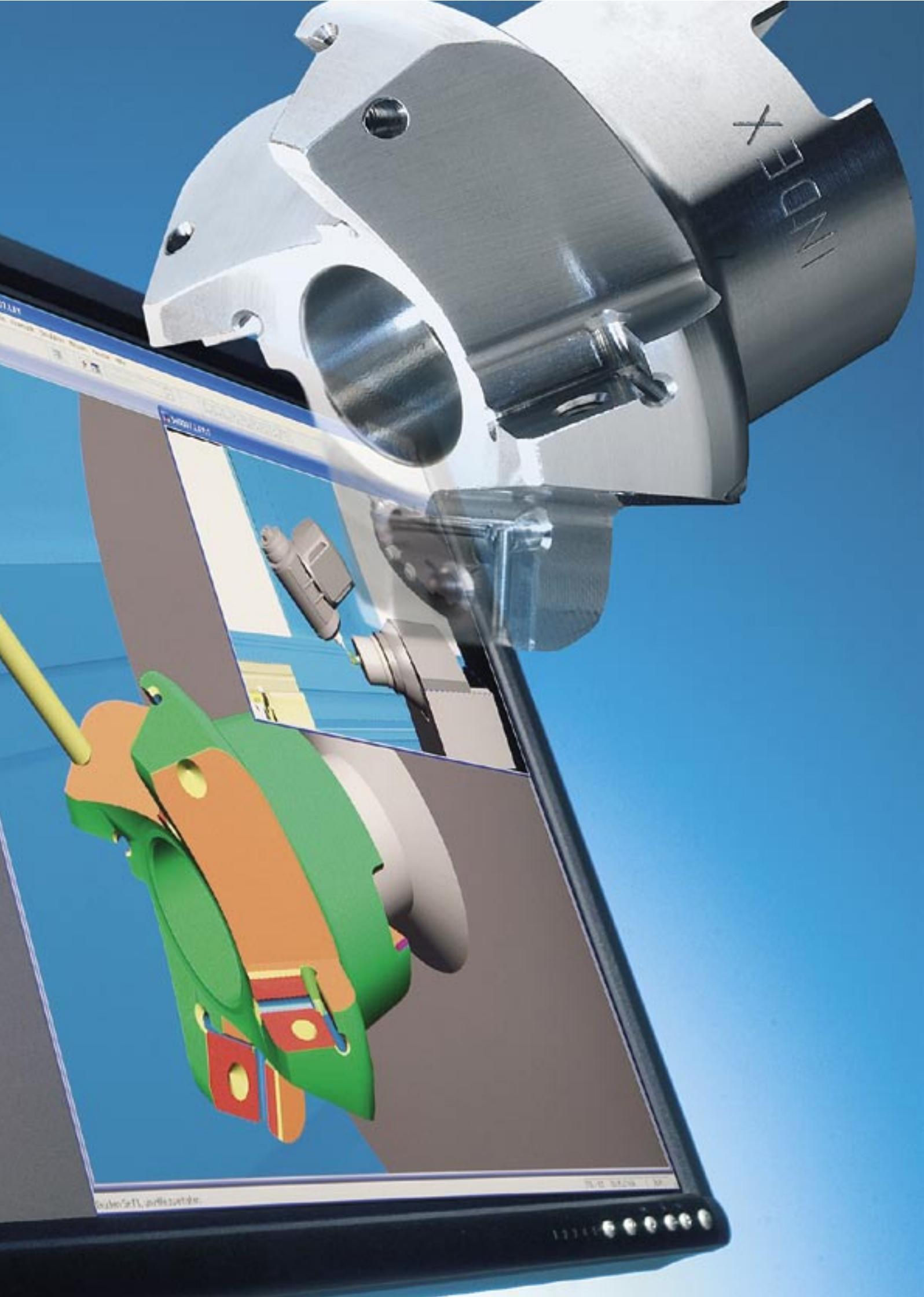


If you know the real machine, you also know the Virtual Machine

Programming

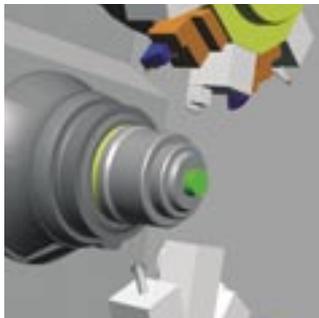
- Same operating environment as on the machine
- Programming in the Siemens Editor
- Full cycle support
- Parts program can be created in the Virtual Machine or imported from external systems
- Full exchange capability of the parts programs between the virtual and the real machine



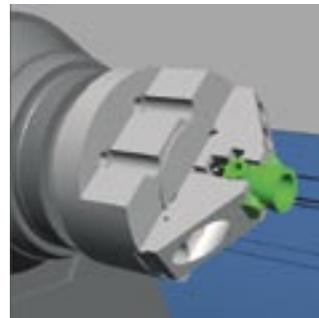


Setup made easy

Geometrically simple clamping devices and blanks are created in the Virtual Machine.

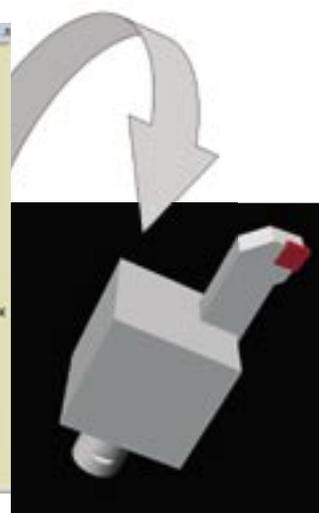


Complex blanks and clamping devices can be imported.



INDEX Tool Wizard

- Quick and simple generation of standard tools
- The entered parameters are used to create a complete 3D tool for the Virtual Machine



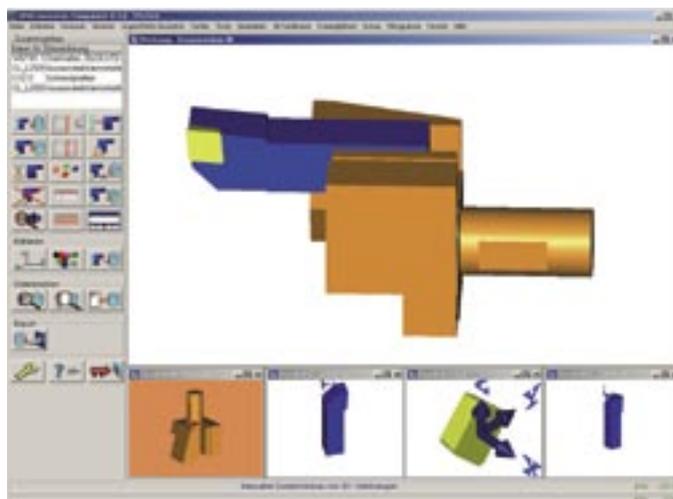
OPUS - Tools without limits (optional)

Everything is possible, from the standard to the special tool

- Any desired individual components of a tool can be imported
- This also allows special tools, such as form tools or form drills, to be implemented

100% collision control by using the real holder geometry

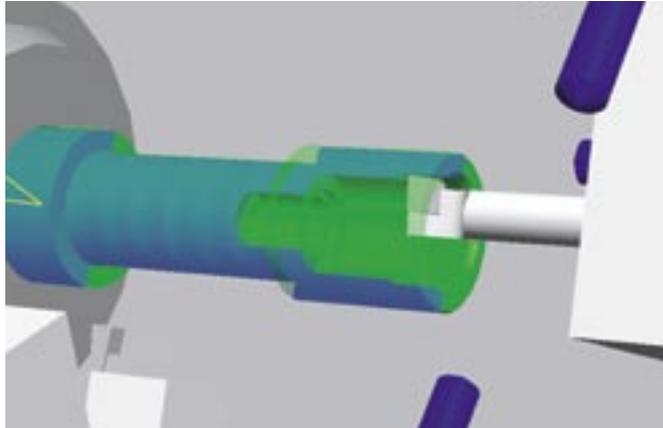
- Individual components of a tool are in a database
- The complete tools are assembled from the individual components
- The database can be extended by the user by adding 3D models
- Optimum modeling of cutting edge and tool holders



Everything in clear view

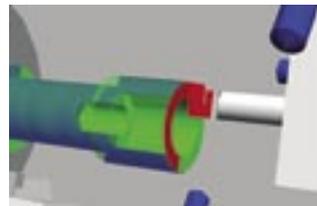
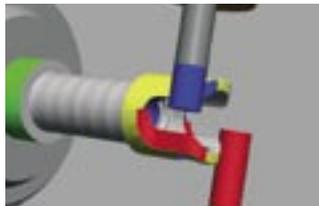
Turning

Semi-transparent display allows simultaneous observation of internal and external machining.



Milling

The cutting edge colors are shown on the part. This allows an easy correlation between machining operation and tool.



Collision monitoring

The system will detect collisions, stop, and color the colliding elements.

Increase the productivity of your real machines

1.

Shorter changeover times

Errors in the NC program are no longer searched for on the real machine. Simulation possible in parallel to production.

2.

Avoiding a risk of collision

Collisions are detected during simulation and can be prevented already on the programming stage.

3.

Optimization of parts programs

Reduced non-productive times, allowing you to enter production using an already optimized and proven program.

4.

For use in teaching and training

Employees can familiarize themselves safely with the programming. This can serve as assistance in a new product implementation.

Form of delivery

The virtual machine is a pure software solution. You only require commercially available hardware.

Delivery includes:

- Software on DVD
- Manual
- USB dongle for activation

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