

ShopMill/ShopTurn machining step programming

SINUMERIK high-level language with programGUIDE



- Shortest programming times
- For single-part and small-series production

- Maximum flexibility and very short machining times
- For medium- and large-series production

Uniform and simple for all types of programming

SINUMERIK offers unique programming methods for all fields of application.

Ideal for single parts and small series production

ShopMill and ShopTurn are the tailor-made programming solutions for the manufacture of single-parts and small batch sizes.

Flexible and fast

In programGUIDE, we have combined G-code programming with cycle support. This offers maximum flexibility and short machining times, and is excellent for use with medium to large batch sizes. SINUMERIK also supports ISO code programming.

Find more information on the Internet

Everything you need to know about SINUMERIK CNC:
www.siemens.com/sinumerik

Everything about shopfloor manufacturing:
www.siemens.com/cnc4you

Everything about SINUMERIK Manufacturing Excellence:
www.siemens.com/sinumerik/manufacturing-excellence

Information about training:
www.siemens.com/sinumerik/training

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Who guides you step-by-step through programming?



SINUMERIK Operate –
The new user interface for
efficient machine operation

Answers for industry.

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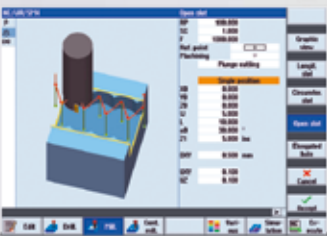
The new SINUMERIK user interface

The new SINUMERIK® Operate user interface is even more clearly laid out and more intuitive than before. It unites the familiar HMI Advanced, ShopMill and ShopTurn applications in a uniform, innovative user and programming interface. This includes the whole range for functions for control and programming, with efficient machine operation in mind.



Programming has never been so easy

The new CNC user interface is clearly structured, intuitive for users and equipped with a whole range of new and powerful functions. This allows machining step and high-level language programming to be united in a single user interface. In turn, this enables extremely fast, rational and intuitive NC programming and work preparation.



Many new and useful functions

Intelligent HMI functions offer users the simplest and most effective support for their daily work – for example with screenshots via the keyboard shortcut CTRL+P. The state-of-the-art Windows-style display is also very user-oriented. SINUMERIK Operate sets a new standard of usability in terms of graphical support. Animated elements provide a useful function here, as they portray each machining step in advance in a graphically-animated simulation.

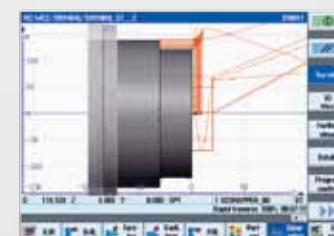
User-friendly

Simple steps for successful work

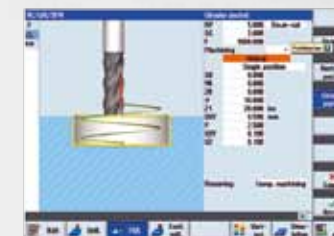
When setting up a workpiece, the measurement process is also shown clearly and simply with animated elements.

Simple and fast handling enables complex workpieces to be manufactured in a single clamp. Different kinematics are also easy to set-up.

If desired, simultaneous machining step recording can be activated and displayed.



Many powerful functions



Clearly structured – thanks to the tool list

With its context-based functions and self-explanatory icons, the tool list is intuitive, can be configured and is easy-to-use. Plus, it provides all relevant information, which can then be seen at a glance.

User-friendly – thanks to animated elements

With its animated elements, the CNC achieves an unparalleled level of convenience in terms of operation and programming even with technological cycles.

Safe – thanks to simulation

Simulation offers a broad range of different workpiece views. This allows programming to be checked immediately and users can also zoom in and out while a simulation is running even on swiveled planes.