

**[E[M]CONOMY
means:]**



More flexibility and functionality with the new WinNC for Sinumerik Operate

With ShopMill/ShopTurn and programGUIDE combined in an innovative and intuitive user interface

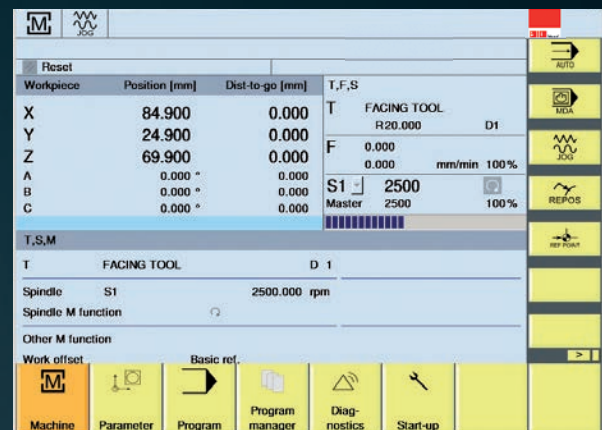
WinNC for Sinumerik Operate

WinNC is a controller-specific software that can be installed on a standard PC. It corresponds to the operation and function of the respective original control. With the addition of the new WinNC for Sinumerik Operate incl. ShopTurn and ShopMill the range of industry-standard controls is complemented by another important release. A detailed replication of the functionalities and user interfaces covers all training-related areas of the original control. As with all WinNC controls there is a 30 day demo version which can be downloaded from www.emco-world.com

Operating areas:

By pressing the „Menu Select“ key, the softkey bar for rapid access to the operating areas and modes will appear. This significantly facilitates navigating the control interface.

The typical Siemens operating structure of the previous industry-proven control systems has been maintained and expanded to include useful features.

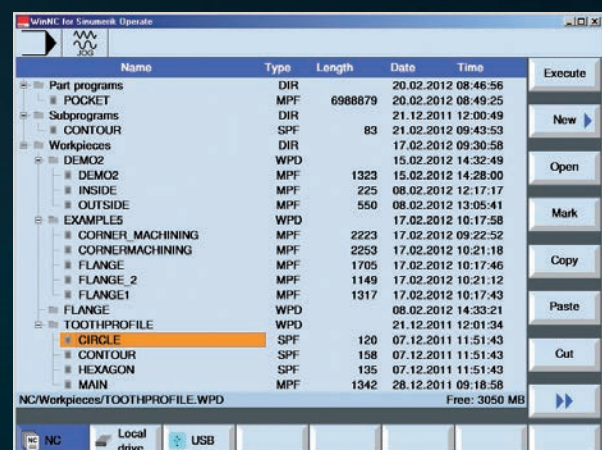
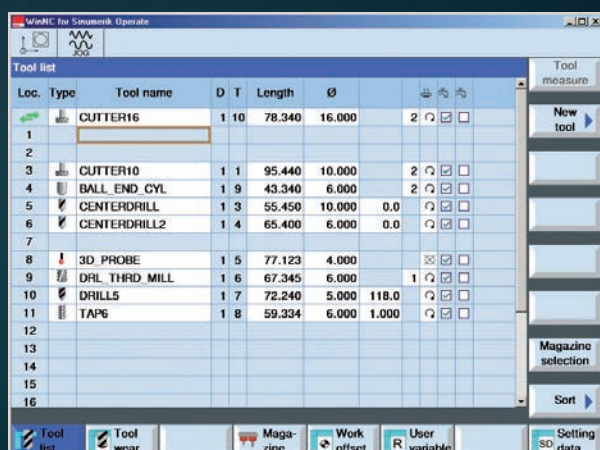


Parameters:

- Clear tool management (tools are represented by icons, rotational direction and cooling are predefined here, values dependent on type of tool „drill – tip angle, screw tap – pitch, milling tool – number of teeth“)
- 99 preset zero offsets available (G54-G599)
- User variables R0-R299 for parameterization of programs

Program manager:

- All available drives (local and network) are managed here
- Well known program structure consisting of subroutines, main programs and workpiece folders

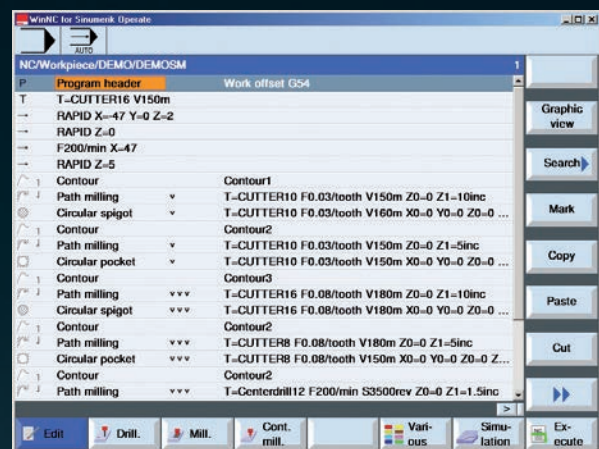


Programming:

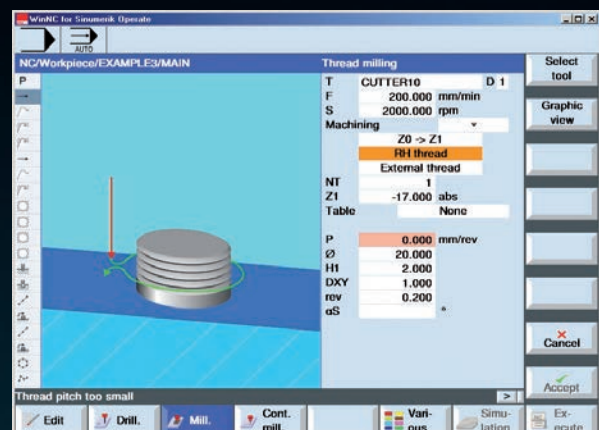
- ShopTurn and ShopMill work-step programming
- programGUIDE: G code programming, combined with cycle support
- ISO code programming

Highlights ShopTurn, ShopMill work-step programming

- All program-related parameters are defined in the program header: measuring unit, workpiece origin, blank, safety clearance and retraction behaviour, down-cut / up-cut
- Call of tools is directly carried out in the cycle: any technology definition (mm/tooth – mm/min, m/min – r/min)
- Transformation cycles: zero offset, translation, rotation, scaling and mirroring can easily be defined via cycles
- Extensive editor functions: search, search/replace, highlight, copy, paste and renumber



- Incorrect values entered during the data input are highlighted in red. During the definition of cycles an explanatory graphic is shown for each input field, along with an additional tool tip containing further information



- Context-sensitive help via the „Help“ button. Depending on the topic currently displayed on the screen (cycles, tool management, ...) a matching help text is displayed

[System Requirements]



Designed for your profit

Machines with integrated control PC:

- All Concept machines
- Machines converted to ACC
- MOC with Windows XP or higher (32 / 64 Bit)

Machines with provided control PC and programming stations:

- PC 1000 MHz
- Windows XP or higher (32 / 64 Bit)
- Main memory min. 256 MB RAM
- Free hard disk space 400 MB
- Programming station: 1*USB, machine version: 2*USB
- TCP/IP-enabled NIC for machine version



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www.emco-world.com