

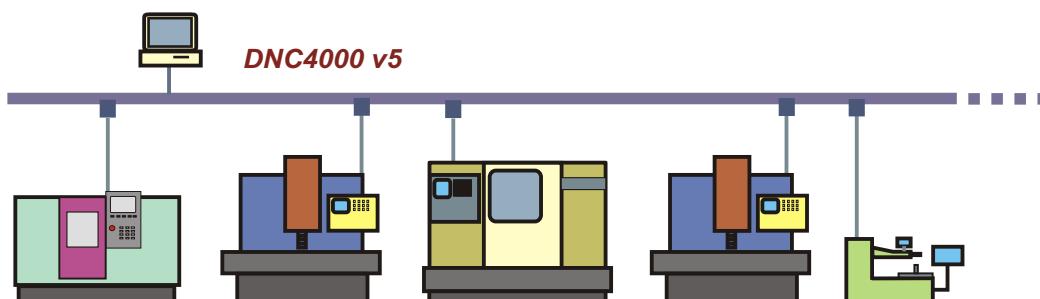
DNC4000 v5

The DNC4000 v5 is a light and easy to install stand-alone DNC system for smaller production. It's built based on the experience with several thousands of connected CNC machines. Its fundamental features include:

- Secure nc-file transfer using state-of-the-art network protocols and transfer technology (LAN or WLAN)
- Support of CNC controls with serial interface
- Support of CNC controls with network card and Windows, Linux or any other operating system
- Remote access on nc-files directly from the control

Software platform

The DNC4000 v5 uses components of Microsoft Framework .NET 4.0



NC-file transfer via network

The protocol between machine and DNC server is TCP/IP and FTP, which makes the transfer reliable and fast. Machines with a serial interface are connected with a network adapter with DNC-in-the-box® technology. It allows to do real DNC including drip feeding and call part programs from the machine's keyboard. Machines with Windows, Linux or any other operating system and with a Ethernet interface can be connected directly. They are fully supported by the DNC4000 v5 according to their possibilities. Depending on the type of controller different protocols such as NFS, SMB, FTP or NetBIOS are used.

User-friendly data management

The DNC4000 v5 supports the structured management of NC files through significant designations.

All product-relevant documents e.g. synoptic drawings of work pieces, jpg-files as well as word-, excel and PDF-documents can be assigned to corresponding NC files. For the data management process a simple file-system is utilized.

DNC4000 v5

Downloading CNC-programs at the control

Each control can access nc-files in the computer's database by the use of a «runner» program. Because controls are connected directly to the network, using Quinx Ethernet adapters the data is always transferred at the highest possible baud rate available on the control. Therefore program loading and saving become a matter of seconds.

Transaction monitoring

The DNC4000 v5 displays all transfers and activities in "real time"

Transaction statistics

The DNC4000 v5 contains a module which produces statistics from the log file and can display and print it in 2D or 3D graphs as well as in text format.

Automated NC program comparison

The DNC4000 v5 recognizes any change in a NC program. The integrated WinMerge editor compares the two versions and highlights the changes.



SCD-II (Smart Communication Device)



DITB-702 (Wibox)

Network adapters with DNC-in-the-Box (DITB)

The DNC4000 v5 uses standard device servers as well as Quinx smart device servers which support special protocols for Mazatrol and Heidenhain controls. SCD-II is a smart communication device with digital I/O's for MDC and DNC. DITB-701 is a Network Adapter for DNC over LAN. DITB-702W is a Network Adapter for DNC over WLAN.

DNC4000 v5