

DNC 5000 v5

Intelligent nc file management and secure file transfer

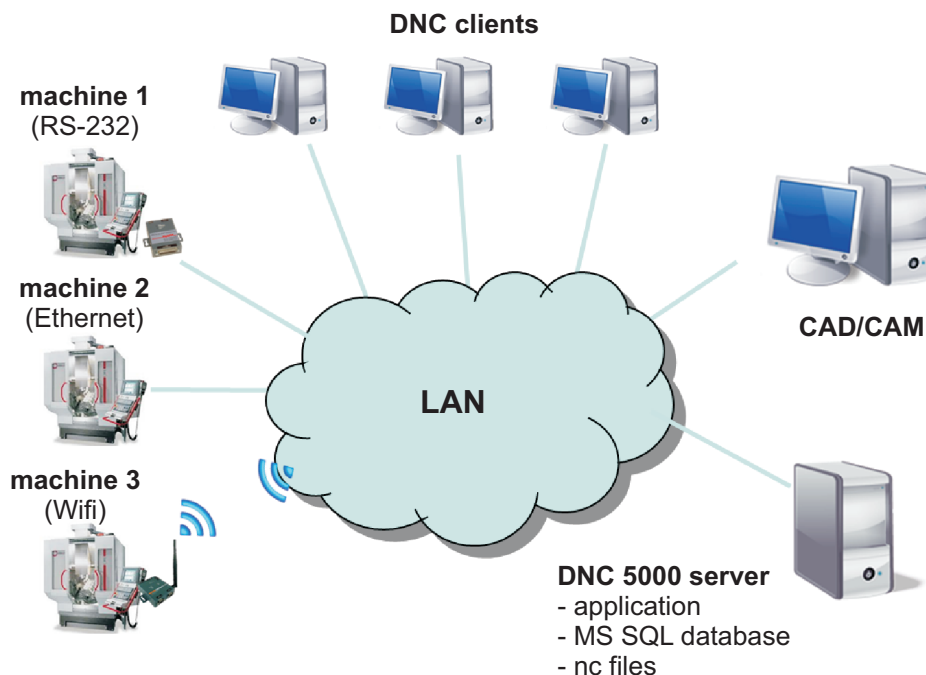
DNC 5000 v5 is an essential part of the PDM (product data management):

- **Structured manufacturing data management**
- **Consistent and consequent version control and change management**
- **Reliable archiving of nc programs**
- **Secure file transfer from and to the nc control**
- **ISO 9001, 13485 and FDA compliant**

The return on investment of a DNC 5000 v5 system is less than 1 year!

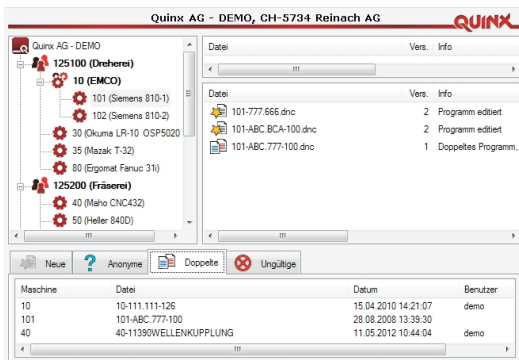
Data transfer via network

DNC 5000 can handle several hundred CNC machine controls at once. The protocol between machine and server is TCP/IP and FTP, which makes the transfer reliable and fast. Machines with serial interface are connected with a network adapter with embedded **DNC-in-the-Box®** (DITB) technology. DNC-in-the-Box® technology allows drip feeding and remote requests for NC programs directly from the machine's keyboard. Machines with Windows, Linux or any other operating system fitted with an Ethernet interface can be connected directly. They are fully supported by DNC 5000 subject to the limitations of the Ethernet interface.



Modern DNC platform and distributed application architecture

DNC 5000 is based on Microsoft .NET framework and uses a Microsoft SQL server to manage data. Both technologies are advanced, reliable and future-proof. DNC 5000 software supports all current and future devices and services supported by the .NET framework.



Userfriendly

After a training of 1-2 hours users can manages nc programs and initiate a transfer.

User rights management

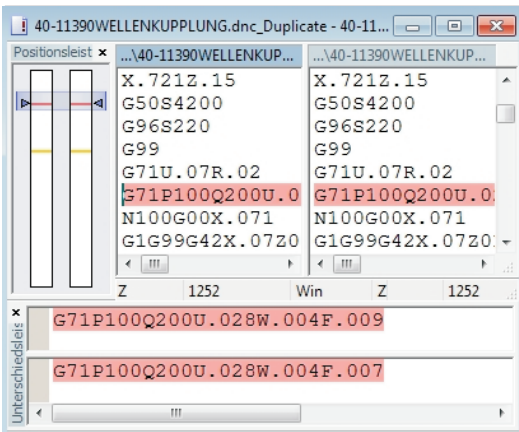
NC programs can be viewed, edited, copied, approved, blocked and deleted depending on the specific user right of the person. All operations are logged and can be traced.

NC file access from machine control

Machine control operators can send a request for a NC program to the server directly from the machine control. The server responds to the request and returns the requested NC program immediately. NC file request can also be done via bar code reader (optional). This reduces the time and effort to load programs.

Automated NC program comparison

DNC 5000 recognizes any change in a NC program. The integrated comparison tool compares versions and automatically highlights changes. Before a modified NC program is made available for production use the changes need approval by an authorized person. Modified programs awaiting approval are quarantined in a simple to do list.

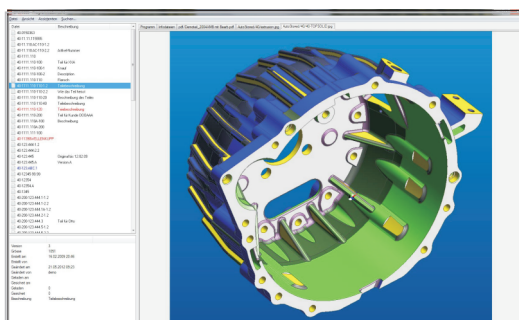


Transaction monitoring and log files

DNC 5000 displays all ongoing transfers and file movements on client work stations. All system transactions, versioning, changes etc are fully documented. This guarantees secure traceability allowing for FDA certification and compliance to industry standards such as ISO 9001, AS 9100 etc.

Manufacturing data management

Various documents e.g. CAD drawings of work pieces, jpg-files as well as word-, excel- and PDF-documents can be assigned in the DNC to corresponding NC programs by drag and drop. Templates specific to the company allow for a quick and consistent preparation of data sheets for each work piece, calculations or handling instructions. NC programs cannot get lost, old versions are automatically archived. DNC 5000 reduces the daily work load for managing NC file by approximately 90% due to its task driven user friendly interface and simple operation.



FTP-client for controls with Windows operating system (Option)

Companies in the medical and aerospace industry must be able to prove when, where (on which machine) and with the use of which program version a particular part was produced. This kind of logging is easily possible when using ftp - the base of all Quinx DNC applications. Therefore Quinx developed a ftp client which can be installed on various Windows-based controls.