Product information

EXAPTpdo
DNC - Data distribution

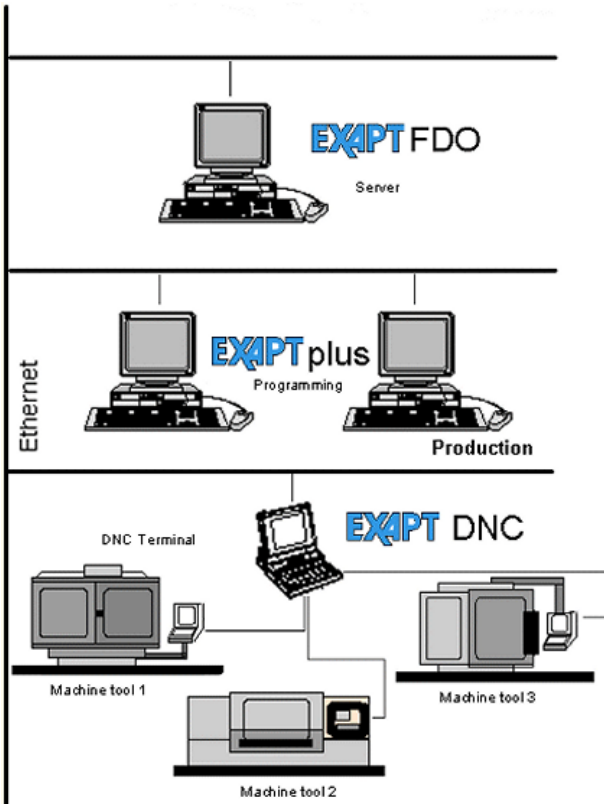
EXAPTpdo DNC links work and NC planning with manufacturing disposition and the shopfloor. The system's primary function is to transfer all important data for NC manufacturing. All common NC operating facilities can be connected.

The user benefits in particular from the following advantages:

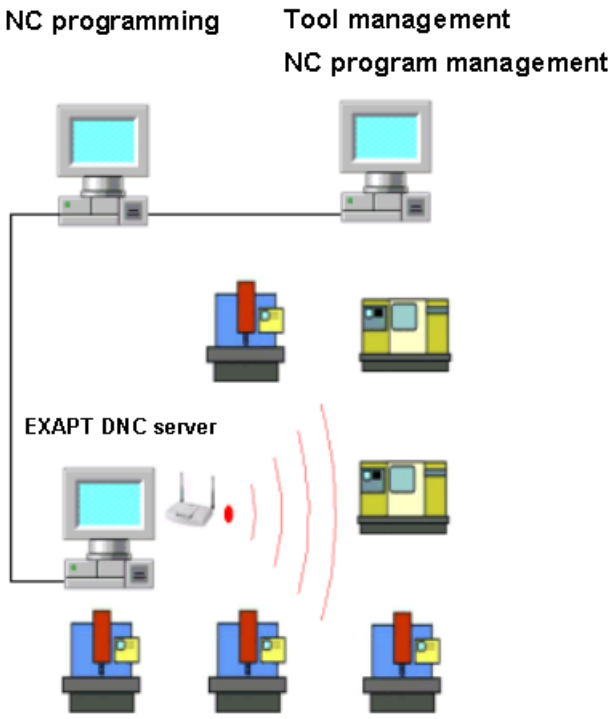
- improved utilisation of plant capacities by fast NC data transfer
- broad scope of compatibility to feed machine tools with different controllers
- full compatible when using the EXAPTplus NC programming system
- efficient support through additional information like images and text for machine set-ups
- investment security, due to the use of standard components in the hard- and software area

Performance features

- retrieval of NC data from and retransfer to the DNC server by the operator unimportant how the NC data is created
- display and editing of NC programs
- shopfloor-oriented, window-based operator interface in flexible configuration
- interactive selection of programs from overview table
- display of set-up sheets, time sheets and clamping diagrams
- context-sensitive help function
- visualised data transmission
- facility to store NC data (e. g. daily requirements in DNC terminal)
- standard or industrial PC as DNC terminal
- stepwise expansion from file-oriented NC program storage up to an integrated manufacturing communication system
- capacity to connect various machines per DNC terminal depending on the type of connection
- DNC variants of use
  - DNC Automatic with data call directly from the CNC control
  - DNC/FDO integrated with complete access to the manufacturing data organization EXAPTpdo FDO
  - DNC Classic with DNC use at the DNC-PC



EXAPT DNC in an interconnected network



V24 Com server cordless network

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EXAPTpdo DNC

(Art.-no. 13884)

Supplementary modules

- DNC/DB access (Art.-no. 13893)
  access to database-supported NC program management (FDO/NCV)
- DNC/WVG (Art.-no. 13890)
  transfer of tool setting data to tool presetting devices

Installation requirements

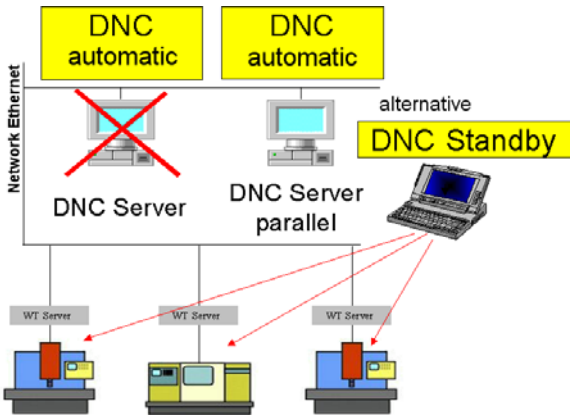
DNC terminal
- PC with processor 2 GHz/512MB or higher
- VGA graphics capability with VGA monitor
- Resolution min. 1024 x 768 on DNC/DB access
- one serial interface per machine to be connected or COM-server
- Windows XP, current service package
- network link depending on the determined DNC server

CNC controller
- data input/output via a serial interface (V.24 or RS-232C)
- data flow control via X-On/X-Off or RTS/CTS
- baud rates 300-38400
- input/output of ISO symbols
- please request a separate offer for special protocols (LSV2 or similar)

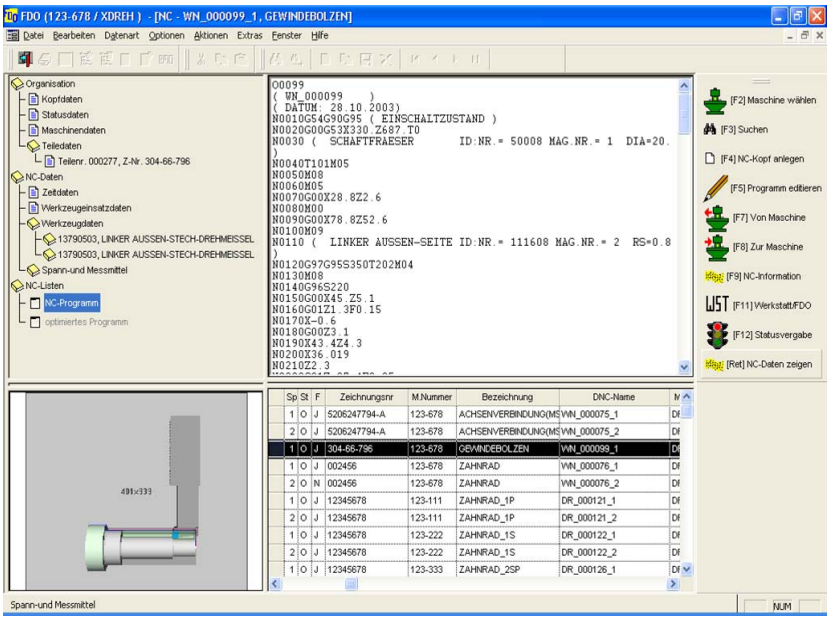
Network alternatives to link DNC terminal to DNC server
- network topology with standard components (Ethernet, Tokenring, FDDI, etc.)
- network software according to type of server:
  WINDOWS server 2000/2003
  DNC terminal: Windows XP
  other software systems available on request
- V24 Com server cordless network
- SINCOM (SIN 840D)

Safety concepts
- parallel DNC server or
- portable notebook solution

Configurations with database server available on request



Alternative concepts for mains failure bridging via parallel DNC server or DNC standby with portable notebook



DNC retrieval of production documents