



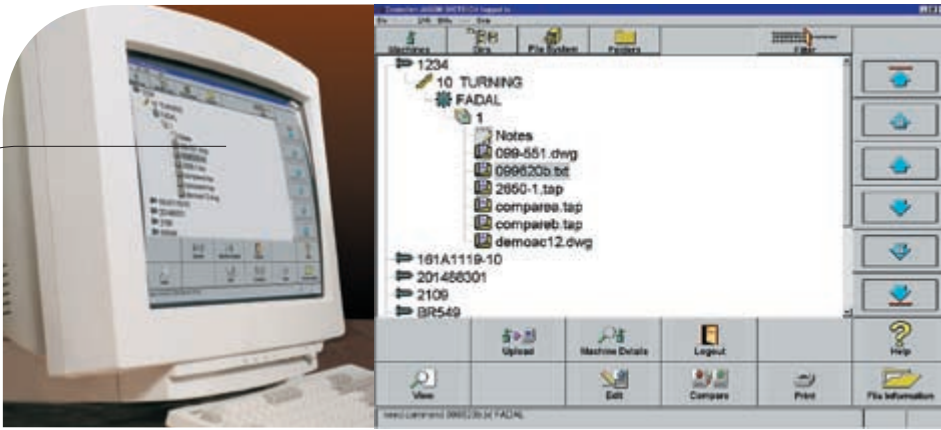
Powering intelligent plant decisions in real time.

WONDERWARE DNC PRO OVERVIEW

the software program that ensures
greater productivity

OPEN ARCHITECTURE CNC DIRECT BUILT-IN PROTOCOLS EMAIL CAPABILITY AUTO COMPARE AUTO ARCHIVING FLEXIBLE DATABASE GRAPHICS VIEWING DRIP FEED CAPABILITY BTR
MANAGEMENT EXPLORER AND BIG BUTTON INTERFACE CONFIGURABLE FTP PART PROGRAMS ACTIVITY LOGS OPEN ARCHITECTURE CNC DIRECT BUILT-IN PROTOCOLS EMAIL CAPABILITY
AUTO COMPARE AUTO ARCHIVING FLEXIBLE DATABASE GRAPHICS VIEWING DRIP FEED CAPABILITY BTR FILE MANAGEMENT EXPLORER AND BIG BUTTON INTERFACE CONFIGURABLE FTP
PROGRAMS ACTIVITY LOGS OPEN ARCHITECTURE CNC DIRECT BUILT-IN PROTOCOLS EMAIL CAPABILITY AUTO COMPARE AUTO ARCHIVING FLEXIBLE DATABASE GRAPHICS VIEWING

OPEN ARCHITECTURE CNC DIRECT BUILT-IN PROTOCOLS EMAIL CAPABILITY AUTO COMPARE AUTO ARCHIVING FLEXIBLE DATABASE GR
VIEWING DRIP FEED CAPABILITY BTR FILE MANAGEMENT EXPLORER AND BIG BUTTON INTERFACE CONFIGURABLE FTP PART PROGRAMS
ACTIVITY LOGS OPEN ARCHITECTURE CNC DIRECT BUILT-IN PROTOCOLS EMAIL CAPABILITY AUTO COMPARE AUTO ARCHIVING FLEX



Key features

of Wonderware **DNC Professional™**:

Upload & Download Directories

Wonderware DNC Professional supports an unlimited amount of download directories to be configured for each CNC Machine. Each machine will have specified upload directory to allow review of uploaded files. This will allow tight control over the storage of programs generated or modified on the shop floor, while permitting your library of part programs to be organized any way you want.

Open Architecture System

Wonderware DNC Professional is designed on an open database structure. The software allows companies to maximize their system with the ability to use any software application. Wonderware DNC Professional does not contain any proprietary file formats.

Built-in Protocols

Wonderware DNC Professional comes standard with protocols for Mazatrol, FanucA, GE 2000, Sharnoa, Cinc700, AB8600, Xmodem and more. Wonderware DNC Professional also gives you the ability to create many user-defined protocols.

Network Up To 256 CNC Machines

Wonderware DNC Professional can be configured for any size operation from 1 CNC Machine up to 256 machines per PC. Taking full advantage of the power and performance of a 32-bit environment, Wonderware DNC Professional offers a complete DNC system through discrete modules designed to be easy to use. This will provide full DNC capability with minimal disruption to your current operations.

Auto Compare & Archiving

Wonderware DNC Professional includes auto compare and archiving with configurable revision control of uploaded files, eliminating time-consuming manual file management.

CNC Direct (remote request)

The CNC Direct function will allow operators to initiate commands directly from the CNC control. This will eliminate the need to work back and forth between a PC and machine. Operators will be able to send, receive, DNC and get a directory listing of their CNC programs directly from the control.

Flexible Database Connectivity

Wonderware DNC Professional ships standard with Dbase IV and includes connectivity to Microsoft SQL and Oracle.

System Requirements: Windows 95/98/2000/NT & XP • Intel Pentium-based processor or

Activity Logs

Track download & upload activity by date and CNC machine. Each file transfer will be recorded in the Wonderware DNC Professional activity log. The log indicates the date, time, machine tool, operator, and the type of transfer that occurred. Log information will be stored in the database.

Email Capability

Email between system users or via the Internet. Automatically send SMTP/POP3 compliant e-mail when the system detects an uploaded file has been edited on a CNC machine. Have operators send preconfigured emails to notify Administrators of problems directly from the CNC machine.

Wonderware Editor & File Compare

Wonderware DNC Professional ships standard with the Wonderware Editor. The Wonderware Editor displays file comparisons side-by-side to check or change the part program. Designed as a graphically enhanced editor with synchronized scrolling and highlighted discrepancies, the editor will display where and how part programs are different. With its math functions, search and replace, cut and paste, and undo/redo features, modifying a CNC part program is effortless. The Wonderware editor also allows you to increase the spindle speed and feed rate as well as convert from incremental to absolute.

PC Based Controls

Wonderware DNC Professional supports file transfer to new PC based machine tools directly across the Ethernet network with the software's Wincopy feature.

Folders Lite w/ Graphics Viewing

Folders Lite is the engineer or programmer's interface. This will allow important information such as part drawings or process notes to be assembled in an electronic folder and transferred to the shop floor. Folders Lite comes with a universal document viewer that will allow you to view over 200 different file formats. Folders Lite is the first step toward paperless manufacturing and can be upgraded to the Wonderware complete MES solution, Factelligence™.

Configure Your DNC System With Ease

Wonderware DNC Professional's Configurator – the administrative module – with its easy to use drop-down windows and point and click capabilities, allows you to define how you transmit data to your machine tools. Configurator can store over 16,000 different machine configurations for uploading and downloading, and allows you to easily set up users, user groups, machines, and machine groups to manage your factory more efficiently.



Multi-tiered Security

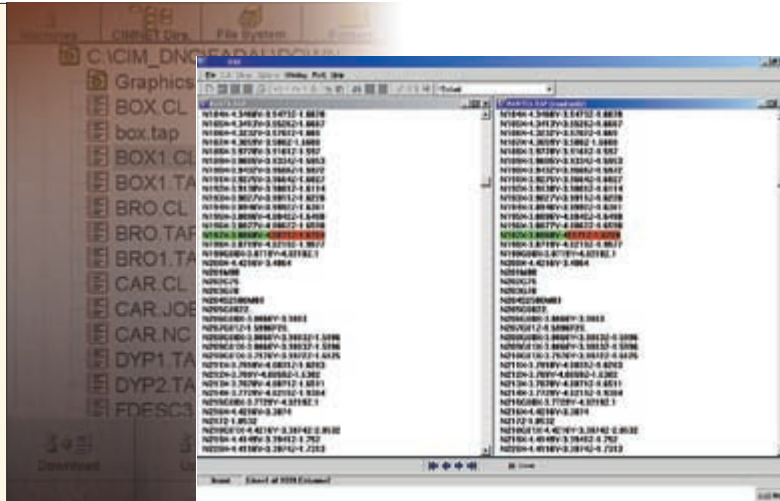
Wonderware DNC Professional supports user names and passwords to control access to the DNC systems files and information. The security can be set up in several levels to limit configuration options to key personnel allowing data integrity to be maintained.

Drip Feed Capability

Wonderware DNC Professional supports simultaneous drip feeding (spoon feeding) of part programs to all CNC equipment.

Explorer & Big Button Interface

Wonderware DNC Professional offers an explorer type interface and a big button operator interface. The big button interface is touch screen compatible.

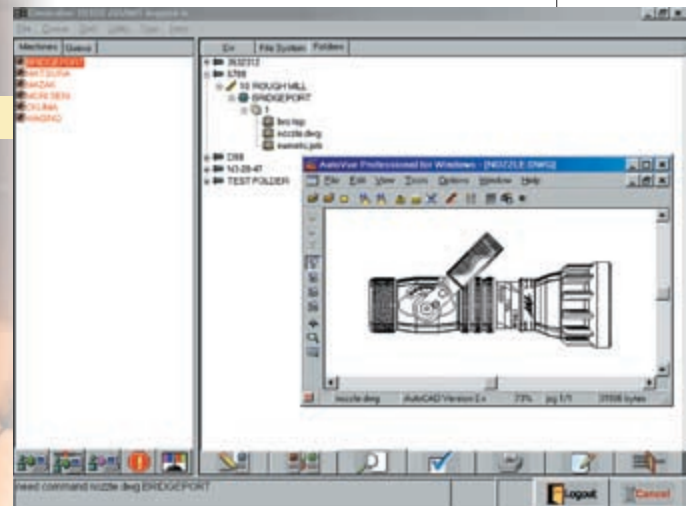
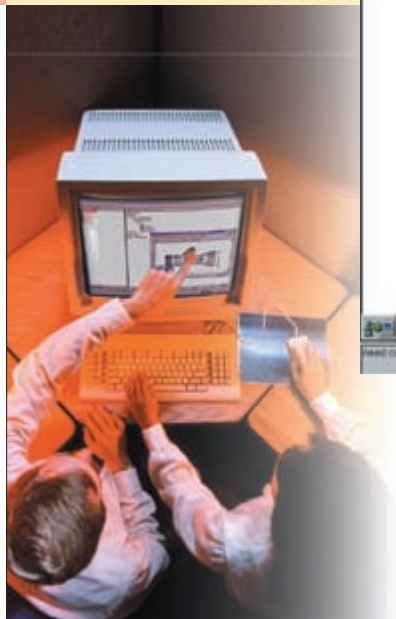


equivalent • 128 MB RAM

BTR File Management

Wonderware DNC Professional allows you to add older NC machines to your DNC network with the Wonderware BTR. The BTR eliminates paper tapes. Download/upload files directly from/to a PC.

Wonderware DNC Professional™ allows you to gain complete control of your factory floor



Wonderware DNC Professional

What separates Wonderware from the competition?

Wonderware offers a growth path beyond basic DNC. Many Wonderware customers start out with Wonderware DNC Professional and grow towards a complete Manufacturing Execution System (MES) with Wonderware Factelligence™. Factelligence offers a DNC module with all the capabilities of Wonderware DNC Professional, and also offers modules for production tracking, machine monitoring, OEE, labor tracking, WIP inventory management, SPC, paperless manufacturing and more. Factelligence can also be integrated to an existing MRP or ERP for seamless integration. Factelligence offers web-based reporting to allow management to view real time status of all jobs, machines, employees and inventory. Any dollars spent on initial Wonderware DNC Professional purchase will be credited to the customer if they choose to upgrade the Factelligence system.

Wonderware has a successful track record which is a testament to the company's commitment to quality. WONDERWARE has the largest installed DNC customer base in the world.

Wonderware is fully staffed to maximize support and troubleshooting. Wonderware houses a complete staff of Application Engineers, Programmers, and support technicians. The employees of Wonderware combine for hundreds of years of manufacturing application experience. This allows for quick and custom responses to all of our customers needs.

Wonderware software is affordable and offers a large immediate return on investment. Wonderware has built a reputation on providing low-priced and cost effective solutions. The Wonderware team will be happy to provide a return on investment spreadsheet to all prospective customers.

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