

SYSTEM SUMMARY

Focal*Point DNC is a fully automated Distributed Numerical Control network linked with a powerful, easy-to-use, NC program management database. More than just a machine control communications package, it provides users with the ability to manage and control NC programs in a natural way.

FILE MANAGEMENT

At Focal*Point DNC's core is its DNC*Library. This database driven function lets users clearly identify each NC program by Part Number, Operation Number, Revision Level, Machine Control and more.

Each NC program in the DNC*Library is assigned a unique DNC*ID™ or pointer". The DNC*ID simplifies NC program download and uploads. This lets you preserve your current file names, and allows NC programs to reside anywhere on the host computer or attached network.

REMOTE REQUEST BY DNC*ID

Remote requests refer to the ability for a machine operator to request an NC program directly from a machine control without having to walk to a host DNC computer. Remote requests with other DNC systems are limited by the machine control keyboard abilities as well as by the data syntax of the control. Focal*Point DNC overcomes these limitations with its exclusive DNC*ID concept.



With a DNC*ID you can use few digits (or digits and letters) to request an NC program with a much longer name, sub-directory, directory and disk drive "address". There is no need to limit NC program names just to support your DNC needs.

INSTANT DNC*LIBRARY

The goal in installing a DNC system is to get the system into use with the least disruption to production. Focal*Point DNC facilitates this with a directory import function. This function immediately populates the DNC*Library with all the files in each chosen directory and automatically assigns each program its unique DNC*ID. Part Number, Operation, Revision, Machine, Description, etc. can be assigned at a later time as the system is brought up to full capacity.

SHOPS CONTROL SYSTEMS & CNC

Doc*Control™

Cell Control™

Adaptive Controls

RAM Feed™

Focal*Point™
DNC

Communications
Designed Specifically for
CNC Controls

Extensive
File Management with
32 Character File Names

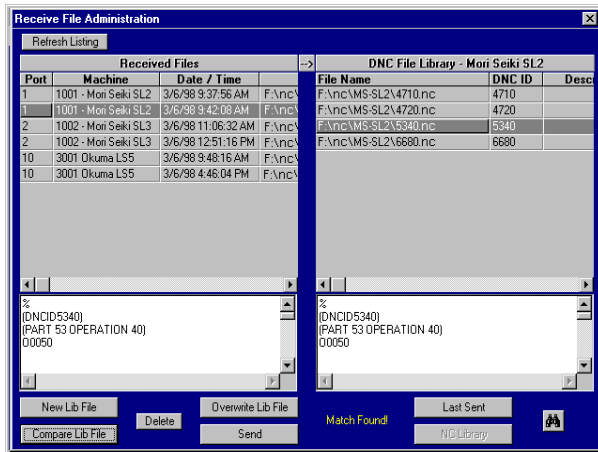
LAN Compatible

Solutions for
Every
Operating System

Easy*Talk™

MANAGING PROGRAMS CHANGED ON THE SHOP FLOOR

Incoming files received from machine controls are managed through a sophisticated yet simple-to-use Receive File Administration module. Using the DNC*ID, files received from each machine are automatically matched with the original file in the DNC*Library.



A single mouse click can be used to perform a complete side-by-side comparison of the original and modified files. If the comparison is favorable another single mouse click can be used to replace the original file, and its entry in the DNC*Library, with the new file.

Any time a library update occurs the system automatically changes the program revision level. These revision tracking features help provide the basis for compliance with ISO 9000 and other quality assurance programs.

The File Archive function will instruct Focal*Point DNC to automatically archive older files before the Receive File Administrator overwrites them. All files are stored in a way that allows for easy retrieval and review with the help of Focal*Point DNC's File Archive history viewer.

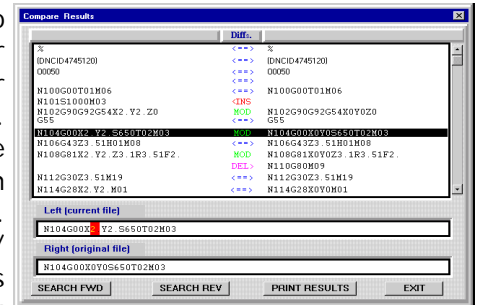
COMMUNICATIONS

Communications are provided through a background processing module designed specifically for machine control applications. As this module is not dependent on the limited pre-packaged Windows instruction sets, it allows Focal*Point DNC to communicate efficiently with almost all serial machine controls -- including many machines with special data formats. Focal*Point DNC may be linked with older controls using Behind The Tape Reader units or through PCs running CNC Innovations' Direct Tape Emulation software.

FILE COMPARE

Focal*Point DNC's unsurpassed file compare function allows NC programmers and shop floor personnel to quickly find and document program modifications on programs of any size. The compared files are presented side-by-side and automatically aligned to compensate for deleted or inserted lines.

Differences are displayed with color highlights. Search forward/reverse buttons allow for quick navigation from one modification to the next. To document changes, printed side-by-side reports are available for the entire comparison or for the differences only.



FILE EDITING

Focal*Point DNC gives the option of using its standard editor or any third-party editor of your choice. Focal*Point DNC's editor is a full function editor that supports files of unlimited size. Focal*Point DNC's advanced editor includes features such as displaying axis or function commands in your choice of color, viewing a program in easy-to-read tabulated format, and re-sequencing all or any part of the program.