

Doc*Control™

Cell Control™

Adaptive Controls

RAM Feed™

Focal*Point™
DNC

Easy*Talk™

RS232 Communications
Designed Specifically
for CNC Controls

Tape Reader
Replacements
for Older Controls

LAN Compatible

Side-By-Side File
Comparator & Powerful
NC Specific Editor

SYSTEM SUMMARY

Easytalk combines a comprehensive file management utility with an easy to use communications package and a powerful NC specific full screen editor. These features are easily accessed using a dynamic menu system, making it simple to operate – even for the first time PC user. On-line help is always available at the touch of a key to assist the user.

FILE MANAGEMENT

Assign 32 character file names to the NC program files, thus enabling your part numbers and operation numbers (for example) to be displayed along with the DOS name of the file. The software also allows you to designate 32 character customer or machine names to directories. The directories may be sorted by either the 32 character name or the DOS name for convenient cross reference. The 32 character name can even be created from an NC program comment line at the touch of a key. Functions for file copy, delete, duplicate and rename are also provided.

DNC COMMUNICATIONS

Serial (RS232) communications with Easytalk is almost effortless. Match the machine control parameters, plug in the proper cable and DNC becomes a reality. Standard serial communication protocols are supported, as well as many special protocols. Bosto-Matic CRC, Heidenhain Blockwise, Bridgeport DNC Link and more are included as part of the standard software. Mazatrol Protocol Emulation is available as an option.



Older controls without serial capabilities are supported through the Tape Emulation Option and the use of our DTE (Direct Tape Emulation) interfaces. These devices bypass the tape reader and connect the PC directly to the reader input circuitry. This technique supplies the power of Easytalk to these older, but still productive machines. Other special protocols, like Bridgeport RealTime DNC, are supported through the Tape Emulation Option.

The ability to “drip-feed” NC programs is provided for both serial and non-serial controls.

This feature allows programs too long for the control's memory to be executed block by block from the PC. This operation is performed either through the control's serial port or by using the previously mentioned DTE interface and Tape Emulation Option. Actual technique will depend upon the machine control's capabilities.

NETWORK CAPABILITIES

Easytalk can access and store data across standard network file servers. Easytalk's data management sub-system uses standard DOS function calls for its file activity. As such, any network operating system which recognizes DOS function calls should allow Easytalk to operate smoothly. As a benchmark platform, Easytalk is tested extensively on a Novell network before each software release.

FILE COMPARE

Easytalk's side-by-side file comparison of two NC program files highlights modified lines and automatically adjusts for inserted and/or deleted lines. A printed report may be generated of only the differences or a complete side-by-side listing.

FILE EDITING

A full screen editor is provided for fast and easy editing on the shop floor. All the standard word processing features like Block Copy, Block Move, Block Save, Search & Replace are included as well



as the NC specific functions of Scale, Shift, Strip Numbers and Field Reformat (decimal to/from leading or trailing zero). The Easytalk Editor has no file size limitation.

INTERACTIVE DNC

Run DNC operations from within the Editor. View and monitor program blocks as they are sent to the machine. Select any starting point within the program. Includes M99/M98 sub-program call support.

SEND FILE OPTIONS

Choose from send file once, send continuously or send from a selected starting point other than the beginning of the file.



COMPRESS DATA

Even if your machine control does not understand comment fields, you can still have them displayed on the screen for operator instructions. Easytalk will strip these fields from the data stream while sending. Default settings are also available to remove spaces, tabs, line numbers, or a user definable character.

TERMINAL MODE

Emulate a TTY (teletype) device to older machine controls or communicate serially to your CAD/CAM or NC Programming System.

OPTIONAL FEATURES

Tape Emulation

Replaces tape readers. Adds full editing, file management and DNC capabilities.

Password Protection

Protects files and system functions from unauthorized access.

Background Send

Send files to two machines simultaneously from a standard PC.

Mazatrol Protocol Emulation

Communicate with Mazatrol Controls. Send/Receive Mazatrol created programs. Convert "G-Code" programs to Mazatrol Packet format for communications with the CMT port of the control.