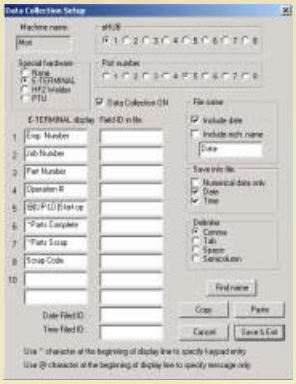
Data Collection Using
eNETDNC

For many companies the concept of communicating CNC files between programming and shop floor machine controls has long been accomplished using a DNC system. Distributive numerical control (DNC) is technology that has been utilized to enhance the productivity of machine shops worldwide. Now, PortCNC has introduced eNETDNC, which allow companies to collect production data at the CNC machine using the same connection as their DNC system.

"A machine shop cannot be lean without DNC"

Collecting production data at the machine allows employees to clock in and out of jobs without leaving their workstation. By adding the E-Terminal to the DNC system, an activity that normally requires operators to travel throughout the shop can be accomplished without taking a step. Data currently collected at PC's terminals located in the shop can be communicated from the machine, this saves valuable machine time. Bar code scanners can be added to simplify input and improve data quality. The data collection feature allows companies to specify the data entered into the E-Terminal this allows the eNETDNC data collection feature to be used with any shop management or ERP system. By configuring the collected data in the comma, tab, space or semi colon delimited format the information collected by the eNETDNC system can be uploaded directly into shop floor management packages like Job Boss, Visual Job Shop, DBA or any other system. Using the Data Collection system companies will be able to request that the following inputs be generated at the machine:



1. **Employee Number**
2. **Job Number**
3. **Set-up Time**
4. **Production time**
5. **Accurate Part Quantities**
6. **Scrap Parts**
7. **Scrap Codes**

Using the DNC system to collect manufacturing data eliminates the need for duplicate systems wired throughout the shop. It keeps the operator focused on the job at hand and reduces the amount of machine downtime. Finally, data collection at the machine improves your shop efficiency and impacts the bottom line.