

# DC500

System Control Software

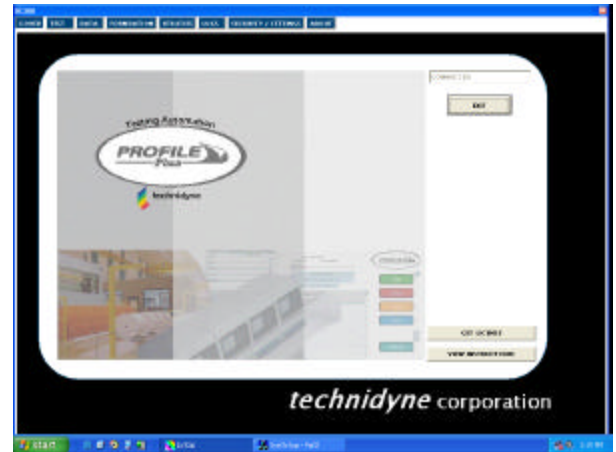


## DC500

*The Technidyne **DC500** System Control Software provides complete control and data reporting for the PROFILE/Plus Automated Test System.*

The PROFILE/Plus Automated Test System is the most configurable automated test system available for paper testing. The software that controls it must have the same amount of flexibility as the system it controls.

The DC500 provides all of the operational and management tools required to take complete advantage of the PROFILE/Plus. Simple and straight forward operator interface and advanced data management along with the optional two-way communications making it possible to receive mill information and post data to the mill system. The DC500 has been designed to optimize PROFILE/Plus and mill testing operations.



### From Features

- User Defined Associations
- Real-Time Data Display
- Multiple Data Presentations
- Mill Defined Profile Set-up
- Tolerance Settings
- Security
- Remote Viewing
- Mill Interface Capabilities

### To Benefits

Quick initiation of tests and retrieval of historical data  
Monitor results as test are completed  
Customized data viewing  
Product specific profile testing  
Manage & monitor customer specifications  
Allows multilevel password protection  
Displays profile data throughout mill  
2-way communication to mill-wide database

**Technidyne Corporation**

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## User Defined Associations

Quick initiation of tests and retrieval of historical data

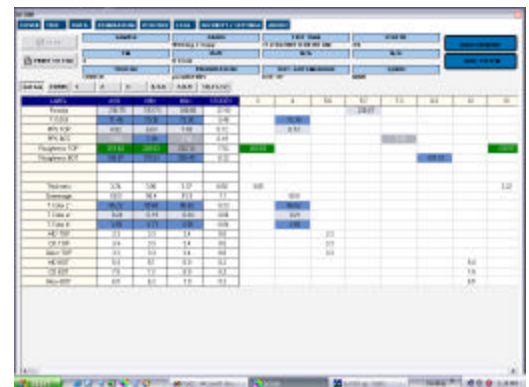
The DC500 software is designed to provide quick and easy access to predefined profiles. Each profile defines a series of test and test intervals to be run. These profiles can be grade and product specific or generic and run on a variety of products. Each mill can setup procedures that best meet their testing needs. Through the use of user defined associations the software sorts through the directory of profiles to make available those profiles that meet the criteria defined. When there is a need to look at previous runs or historical data this same procedure can be used to review past data.



## Real-Time Data Display

Monitor results as tests are completed

Having data available as tests are completed is a key to optimizing a testing and quality program. As the sample is running, each data point is sent to the DC500. It is here that the data is presented in the format of your choice, see below. Measurement data and its associated measurement point is displayed so that tester and machine operators can evaluate the product.



## Multiple Data Presentations

Customized data viewing

Every paper mill has its own way of reviewing data. The DC500 will allow for the organization and presentation of the data to be in a format compatible with your mill. Organize the data for a spreadsheet presentation with the critical test listed first. Choose to look at the data graphically, one graph at a time or have three graphs on one page. The choices are yours. When product specific tolerances are in use the data can have a full array of flags to identify in and out of range values.



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Rarely is it the case where one profile definition will be adequate for the wide range of products a mill will manufacture. The DC500 will allow the mill to setup grade specific profiles. These profiles can allow for:

- Tolerances (grade and/or parameter specific definition)
- Zoned Data (divides the profile strip into segments/zones and allows viewing of data specific to each zone)
- Variable Measurement Intervals (the DC500 will allow each parameter to be measured at different intervals)
- Testing Optimization (provides fastest throughput)
- Customize Profiles (only test the parameters required)



Managing and monitoring customer specifications are major functions of quality control and testing programs. By inputting the customer specifications directly into the DC500 grade management, the software is then equipped with the capability to highlight in-range and out-of-range paper. Segmenting the reel based on the zoned data setup in the measurement profile. Customer or mill specifications can be entered into the DC500 by manual input or can be updated and managed via a mill system connection, see Mill Interface Capabilities.



## Remote Viewing

*Displays profile data throughout mill*

Getting data to the production floor fast or having data available to mill management is critical. With the DC500 Remote Viewer option most of the functions of the DC500 are available outside the laboratory. With the Remote Viewer you will be able to:

- View current production testing
- View historical data
- View and setup tolerances, associations, presentations
- Access many of the DC500 functions

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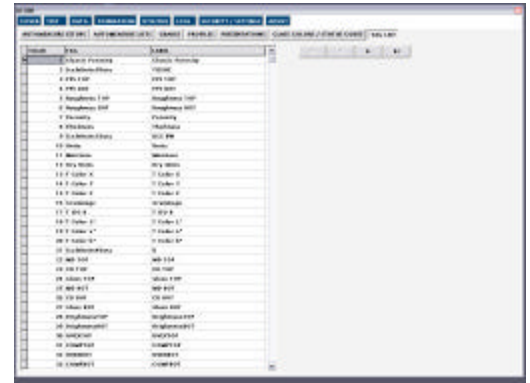
## Optional Features

### Mill Interface Capabilities

#### 2-way communication to mill-wide database

Mills that utilize a mill-wide system can take advantage of the Mill Interface capabilities of the DC500 software. Incorporating the Mill Interface option will allow the DC500 software to send and receive data from the Mill-wide system. This can automate many tasks such as grade and sample identification, product specifications and tolerances and the entry of data from the DC500 into the mill-wide system.

For example, most mill-wide systems identify the reel at turn-up. This information can be passed to the DC500 software, which in-turn presents the proper Profile Test for the operator to initiate. This interface is made available via the optional Software Developers Kit (SDK). The SDK is a tool that allows access to the DC500 code making it possible to customize an interface to the mill-wide system software. The SDK will be utilized by your IT department to write the interface. Should your IT department not be available for this, Technidyne personnel will complete the interface for you at a reasonable cost.



## PROFILE/Plus

Today's automated testing equipment has brought labs much greater speed, accuracy and efficiency, but at a price that can be prohibitively high. Technidyne has created a unique, innovative solution that gives you top-quality automated testing at an affordable cost.

Technidyne, an industry leader, has developed the PROFILE/Plus, a revolutionary "building block" system for paper properties measurement based on modular technology. The PROFILE/Plus is a series of individual instruments that operate independently and test a specific paper property. The instruments can also be linked together and automated to work as a single profiling unit. The advantage to this system is your laboratory can purchase as few or as many instruments as it desires based on need and/or budget. This allows you lab the versatility needed to operate at greatest efficiency.

The PROFILE/Plus provides the tools to meet your testing needs today, but what about tomorrow? With the ever-changing face of the paper industry, the need to modify or adapt your testing practices and procedures is important. The PROFILE/Plus gives you the ability to configure your testing to the demand of the day, not confining you to a box of test.

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