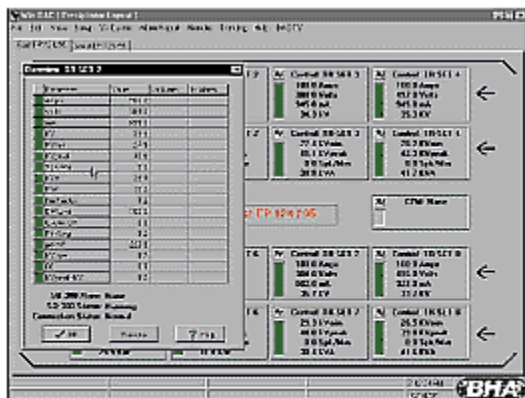


## WinDAC® Data Acquisition System

Our WinDAC™ Data Acquisition software has proven to be the most flexible and helpful ESP management system available anywhere. BHA's WinDAC data acquisition, monitoring and control system is an exciting new development in precipitator operating technology. Compatible with Microsoft Windows XP or 2000, WinDAC is the most powerful, easiest to use tool for gathering and trending data relevant to your process. WinDAC not only monitors the operation of your precipitator, but can also interface with your DCS and data archiving systems through the Dynamic Data Exchange®. You can define the inputs (whether opacity, boiler load or kiln data, fans speeds, injection system, any analog or digital input) and let WinDAC compile and monitor all these data points.

### WinDAC® makes you an ESP Doctor.



Precipitator Plan View with real time operating parameters.  
(Click image to view larger size.)



Virtual Control Room view allows remote access & changes.  
(Click image to view larger size.)

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WinDAC not only monitors the operation of your precipitator, but can also interface with your DCS and data archiving systems through the Dynamic Data Exchange® native to Windows NT. You can define the inputs (whether opacity, boiler load or kiln data, fans speeds, injection system, any analogue or digital input) and let WinDAC compile and monitor all these data points. WinDAC creates a history File in which it stores and trends vital data, and outputs results on a digital "strip chart" recorder. You can easily set and changes the averages (from six to sixty minutes) that are displayed. This function allows you real-time

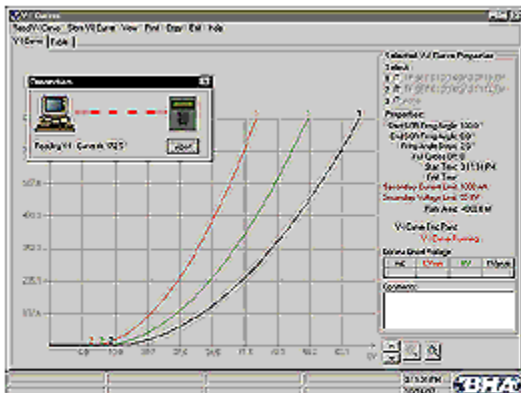
correlations between process changes and operating conditions, giving you unparalleled access to critical data. The data can be exported to database and spreadsheet programs, and can be printed directly from WinDAC.

## **Interactive "Virtual Control Room"**

WinDAC allows you to monitor and change settings on each SQ-300i. The Remote feature puts you in front of a "virtual" control cabinet, showing you real-time meter readings, control status, all T/R parameters, along with a slider for Energy Management and an Auto/Manual switch.

All meter displays are user configurable, and all T/R sets can be accessed from this one screen, giving you total precipitator control.

## **Full Trending and Storage Capability**



*WinDAC creates and stores real time VI Curves.  
(Click image for to view larger size.)*



*Pull-down menus and DAC-TV simplify setup.  
(Click image to view larger size.)*

WinDAC® uses several methods for gathering and storing data for inclusion in the History Files. BHA's unique InfoPort software allows analogue data input to operate invisibly in the background. The Dynamic Data Exchange interfaces with other Windows NT® networks to share data files. These data retrieval systems make WinDAC the most powerful ESP data management tool available.

In addition, key precipitator operating data is stored and trended, including all power levels, VI curves, alarms, rapper firing and "opens" - virtually any parameter you would need to analyse.

Multiple Precipitators? No Problem.

Multiple precipitators are all managed easily with one WinDAC system. Up to 256 T/R sets and 32 data inputs can be configured and operated through the central computer. You can configure multiple profile for each T/R set, and download the profiles automatically (during load swings, start-ups and shutdowns) to keep your ESPs operating at their peak during all conditions. WinDAC can scan multiple opacity monitors to keep you abreast of plant performance at all times. Multi-tasking allows full speed operation of background functions, regardless of what you're viewing on screen.

### **Easy-to-Use Graphical Interface, DAC-TV**

WinDAC takes advantage of the latest graphical interfaces, including pull-down menus, toolbars, point and click buttons, sliders, and complete help and tutorial screens. The amazing DAC-TV feature even lets you view instructional videos to help you set up you system.

Pop-up screen hints guide you through each operation. The interface is so intuitive and so similar to other Windows® compatible applications, that you'll be a WinDAC expert in minutes.