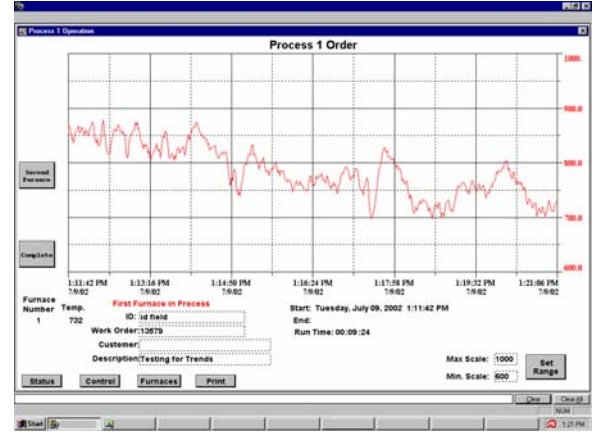
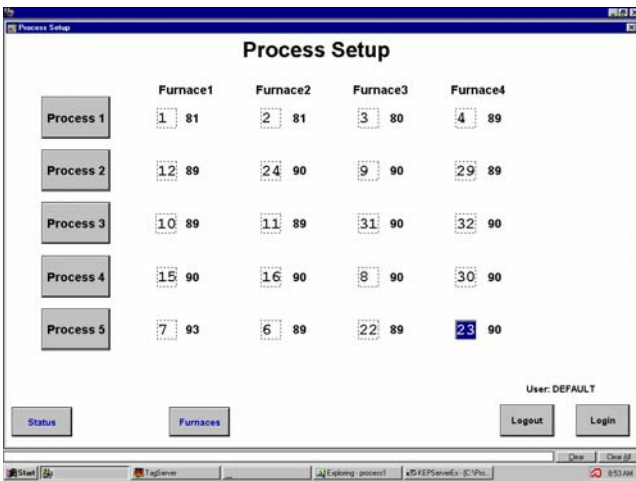


Heat Treating Quality Control System



Fenton Systems' heat-treating quality monitoring system records process data for historical parts tracking purposes. The data recorded is shown on the screen at the right. This data is shown in real time as the process proceeds and can be retrieved in the future to view the process history for a particular work order, heat run, or the key parameter pertinent to your process.

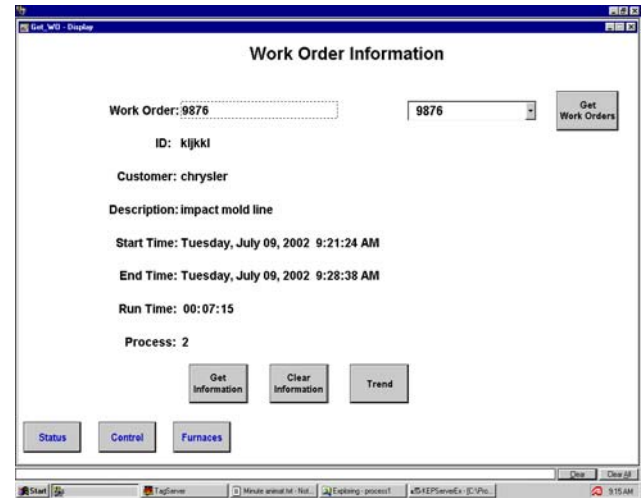
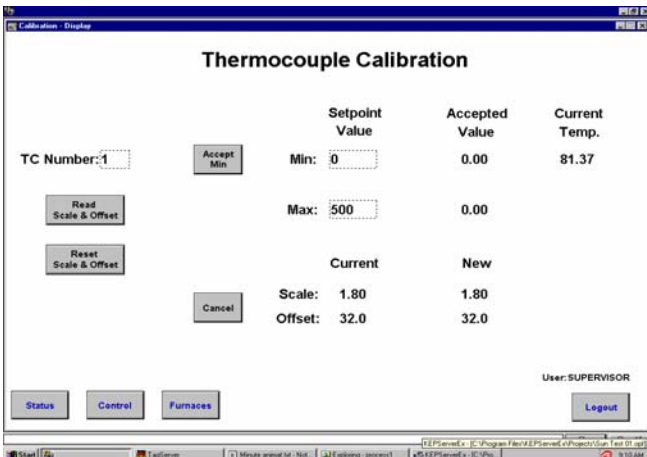
The base system is designed for a multi-step process where the parts are manually moved between steps, but the system can be customized and automated to meet a particular applications requirements.



For a multi-step process, a screen similar to one at the left can be used to setup the process. Using the screen, the operator identifies which furnaces are going to be utilized for each process being run. The process is then run from the process screen shown above.

The data archived can be retrieved and displayed in the original trend form using the screen shown at the left. The Key parameter is entered or selected from the drop down list. The text information is displayed and by clicking the Trend button, the data is displayed in trend form as it was originally recorded.

A means is provided to calibrate transducers. In the case of thermocouples, a screen similar to the one below is used. This calibration data is retained in a file to record calibration history.



The base system can be customized to meet application requirements. The system can be automated to step between process events. The system can monitor and record multiple process parameters such as flow or pressure, and the system can control process parameters (temperature, flow, pressure, etc.), if required.