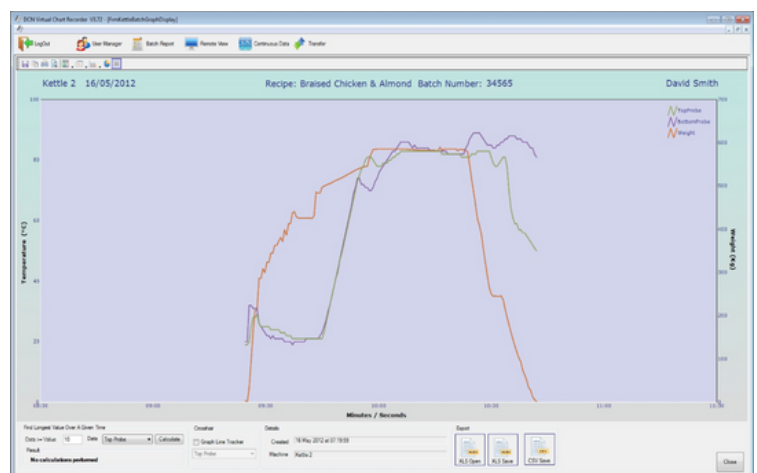# VIRTUAL CHART RECORDER

DCN Virtual Chart Recorder software has been designed to record in real time data produced by your system. This allows customers to log information relating to temperature changes in any cooking and/or cooling process. The software stores this data to a database ready for you to quickly produce historic cycle process records and trends for your customers.
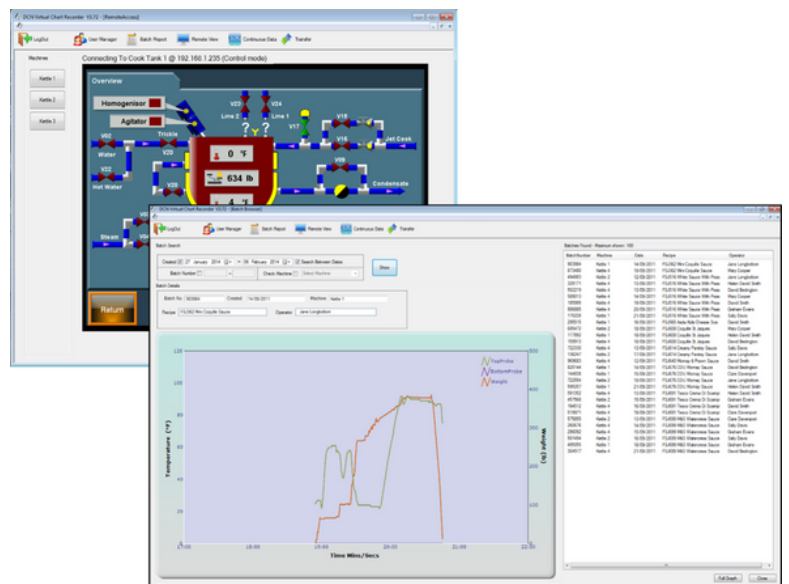
Features

- Records data from a variety of different machines - not just DC Norris equipment
- All data is stored in a Relational database
- Typically records recipe and operator names
- Records Date and Batch time (start, finish, total)
- Reports are generated and printed against selected database records
- Displays the machine operator HMI screens, allowing current processes to be monitored remotely in "real time"
- Customised data for each batch can be written to the Database for added traceability Information
- Data can be reviewed graphically
- Data can be exported to popular formats such as Microsoft excel (Xls).
- Typical applications include:
  - Cooking kettles
  - Cooling systems
  - Cook Quench Chill systems
  - CIP systems

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Virtual Chart Recorder

The DCN Virtual Chart Recorder System has been designed to retrieve and record analogue and digital data, relating to production cycles performed on a variety of different machinery. Typically it will log the temperatures and weight of a product during a cook cycle, however, any machine that requires analog data to be recorded, is equally suitable. Although data is always recorded on a continuous 24 hour basis, Virtual Chart Recorder provides the best results when the machine in question has a natural start and stop cycle. This allows Virtual Chart Recorder to create a more in-depth batch report.

The system utilises a Microsoft SQL Server database which allows all batch records to be searched, viewed and analysed. Data can be exported to Xls as well as simple image formats.

PLC - The underlying technology behind Virtual Chart Recorder is OLE for Process Control (OPC). This allows Virtual Chart Recorder to capture information from virtually any brand of PLC. For example, it is possible to record data from a kettle using a Mitsubishi PLC and at the same time values from a Holding Tank controlled by a Siemens PLC and another kettle using Allen Bradley as the controller. The number of actual machines that can be continuously monitored at any one time is 256.

Recipe Management:

Where Virtual Chart Recorder is installed in conjunction with recipe enabled DC Norris cooking equipment, the software can also perform the additional role of centrally controlling users and user passwords. It can also manage recipes by transferring them between equipment (for example from one kettle to another kettle) as well as backing up recipes to local or remote storage.

technical data