

# Robust, Definable Performance Reports

SQL (Structured Query Language) data makes it fast and easy to generate detailed reports and learn more about your system, whether you want to view the alarm history, check a log of every batch run, or even monitor amounts of different resins.

Conair's new SQL Reporting Software enables precise system tracking, without requiring any previous experience with SQL to implement. Whether you're looking to identify and solve potential problems, or just make your process more efficient, reporting software is the key to improvement.



SQL Reporting Software

## Query and Organize Blending Consumption Data

Conair's blenders are equipped to export job data to an SQL server, to help you keep track of your costs and system efficiency. The SQL software works with Microsoft® Windows® 7, and requires an Ethernet port.

SQL is a language designed for managing relationships between data. Because it's a relationship system, users can generate reports based on a number of factors, including shifts, recipes, and materials used. For instance, after you define the specific materials used in each of your hoppers, reports can even track the resins being used and their proportions.

### ► A variety of preprogrammed reports

The SQL Reporting Software can generate reports on your processes based on ingredients, recipes, resins, jobs, batches, alarms and even product lines as defined by the user. SQL can generate reports over time periods you define, including specific user-defined shifts or the entire history of the software.

### ► Track job specifications and your costs

SQL reports can help you identify production costs to streamline estimates and quotes. The reports also make it simpler for ISO certified companies to check and prove that they are meeting standards for quality, safety, and recycling. It even records every alarm that stops the system running, to make it easy to identify chokepoints.

### ► Define your own parameters

The structure of SQL records allows for detail and ease of organizing the specific information you need in order to understand your process. Reports can be made for each batch, the history of recipes, the inventory of materials in hoppers, and even the alarms that have stopped the blenders.

### ► Report output options

Plant-wide data is stored long-term in the SQL database. Reports can be generated and saved digitally or printed out, and can be exported into styles formatted for Adobe® PDF, Microsoft® Word, or Microsoft® Excel®.

# Specifications

SQL Reporting Software	
Compatible equipment	TrueBlend™ (with SB-3 controls) TrueBlend EXT™ TrueWeigh TrueWeigh Continuous Blender
Compatible SQL database management software	Microsoft® SQL Server® 2008 and 2012 Microsoft® SQL Server® 2008 and 2012 Express Edition
Computer	800 MHz Processor PC recommended with a minimum of 4 GB free hard disk space
Operating System	Microsoft® Windows® 7
Video	SVGA
Printer	Required for hard copy reports
Interface Ethernet connection	Category 5 Ethernet cable

**Specification Notes**  
Specifications can change without notice. Contact your Conair representative for the most current information.

**Connecting SB-3 control panel to the network**

The screenshot shows the 'Setup' screen for 'Line 1: TrueBlend'. It has tabs for System, Panel, Component, Batch Hopper, Mixer, Network, and More. The 'Network' tab is active, showing fields for Node ID (3), IP Address (10.1.42.1), SubNet Mask (255.255.0.0), Gateway (0.0.0.0), HostName (trueblend), DNS Server 1 (8.8.8.8), and DNS Server 2 (8.8.4.4). There are also fields for Serial Port (IP Address: 10, 1, 42, 1) and Email (SubNet Mask: 255, 255, 0, 0). At the bottom, there is an 'Alarm' indicator (Blender Stopped) and a 'Service' button.

**Reports** - Use your SQL Reporting software to generate on-screen or printed reports that contain valuable production information about your process. These reports can be used to track your material usage, troubleshoot your process, determine production costs and plan for future jobs. SQL allows users to define the reports they want to have generated, by choosing from information the SQL server collects continuously, including:

- **Batch logging** - Record of every batch run by a blender. This data includes a timestamp, blender name, recipe name, recipe number, order number, batch number, production line, shift name, hopper name, material name, set weight, actual weight, set recipe and actual recipe.
- **Alarm logging** - Record of every alarm that stops a blender. This data includes a timestamp, blender name, production line name, shift name, alarm source, alarm message and alarm severity.
- **Inventory logging** - Periodic record of the blender stocks, taken in regular increments of time and every time the blender starts and stops. This data includes a timestamp, blender name, production line name, shift name, processed material weight and reason for entry.
- **Recipe logging** - Records every time the blender changes recipe or resin selection. This data includes a timestamp, blender name, recipe name, recipe number, order number, production line, shift name, material name, set weight, actual weight, hopper number, set recipe and actual recipe.

# Sample Reports

## Resin Usage by Shift

Report Time: 8/28/2013 10:42:55 AM

Date	Shift	Material Code	Material Name	Total (LBS)	Description
8/26/2013	Shift1	NoCode	Default	0.95	Default material
		sCode 1	sResin 1	73.66	Default material
		sCode 10	sResin 10	1.55	Default material

## Alarm Log

Report Time: 8/28/2013 10:45:57 AM

Time Stamp	Shift	Product Line	Blender Name	Alarm Source	State	Severity	Alarm Msg
8/26/2013 8:37:48 AM	Shift1	Extrusion 1	TB Layer 1	System	InActive	NA	SQL Server Connection or Query Failure
8/26/2013 8:38:13 AM	Shift1	Extrusion 1	TB Layer 1	System	Ack	NA	All alarms have been acknowledged
8/27/2013 8:39:13 AM	Shift1	Laboratory PET	Blend InternalA	System	InActive	NA	SQL Server Connection or Query Failure
8/27/2013 8:39:14 AM	Shift1	Showroom 1	TB 45 Special	System	InActive	NA	SQL Server Connection or Query Failure
8/27/2013 8:53:36 AM	Shift1	Showroom 1	TB 45 Special	System	Ack	NA	All alarms have been acknowledged
8/27/2013 10:05:20 AM	Shift2	Laboratory PET	Blend InternalA	System	InActive	NA	SQL Server Connection or Query Failure
8/27/2013 10:05:20 AM	Shift1	Showroom 1	TB 45 Special	System	InActive	NA	SQL Server Connection or Query Failure

