BLEND MANAGER
Integrated Real-Time Trending, Material Management, and Monitoring Program

version 0.0.0
© Process Control Corporation
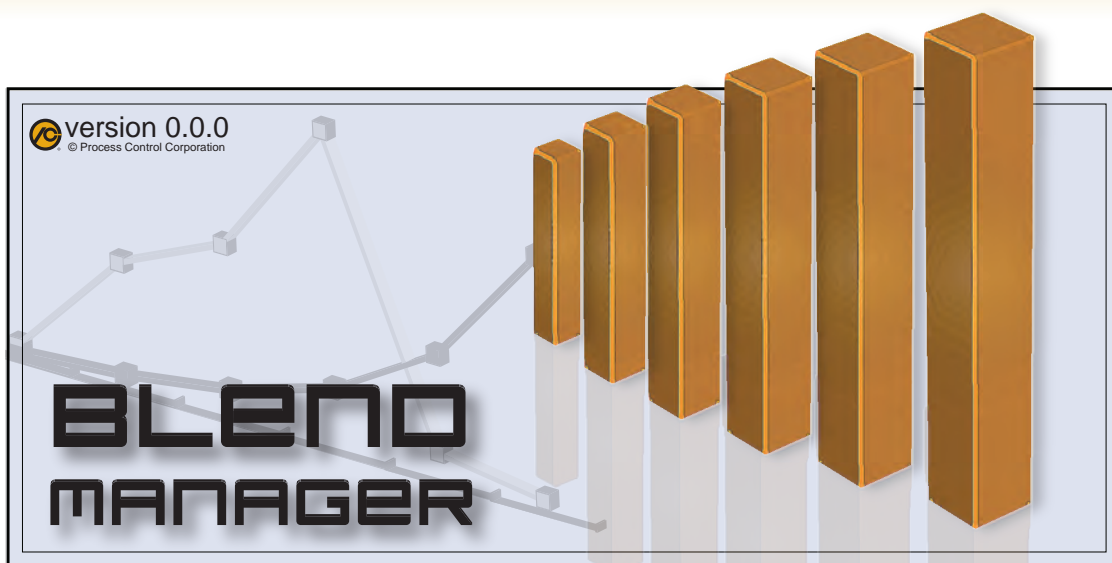
BLEND MANAGER

Blend Manager

- Blender Manager has integrated real-time trending, historical trend data, material management and monitoring in a single package.

- A simple, easy to use wizard guides the user through setup of program settings.

- Designed for reliability and ease of use.

- All settings and data are seamlessly stored in a SQL databases.

- Communications with Process Control's equipment is via Modbus TCP. The driver is integrated into the software and requires no complicated setup.

- Compatible with Windows XP and Windows 7.

Trending and Historical Data

- Both real-time and historical trend data can zoomed and/or scaled on both X and Y axis.

- Move between viewing real-time and historical trend data with a simple tabbed interface.

- Real-Time data is seamlessly stored to a historical SQL database.

Material Management

- Material management report generation can be generated based on a defined shift schedule or on the fly as needed.

- Material management reports can be sent to a printer or saved as a PDF.

Monitoring

- Monitor critical equipment parameters on a single window.
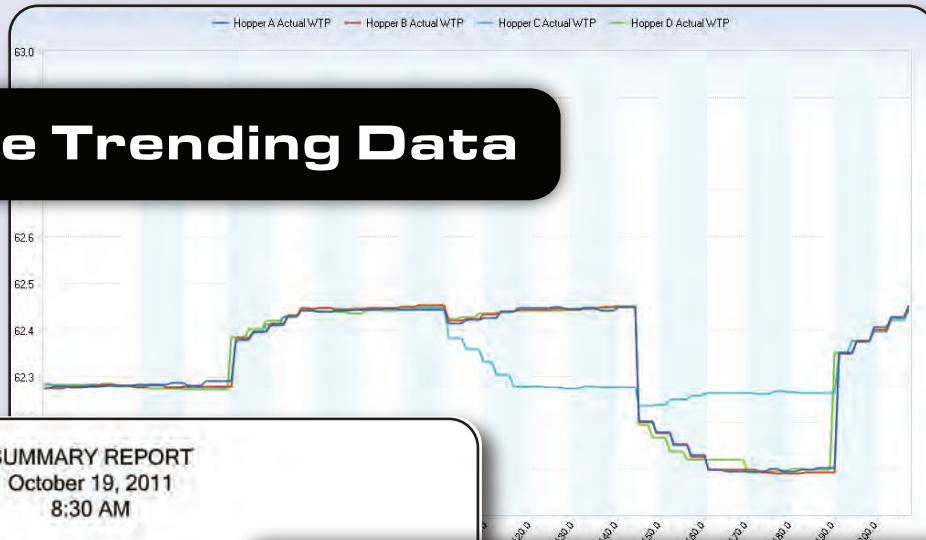
PROCESS CONTROL CORPORATION

BLEND MANAGER
Features

Real-Time Trending Data

Hopper A Actual WTP — **Hopper B Actual WTP** — **Hopper C Actual WTP** — **Hopper D Actual WTP**

Summary Report

SUMMARY REPORT
October 19, 2011
8:30 AM

Device Name: Blender A

Inventory Totals:

	Shift (lbs)	Shift %	Inventory (lbs)	Inventory %
Hopper A	8737.22	12.11	8734.41	12.11
Hopper B	9924.30	13.75	9921.04	13.75
Hopper C	7363.58	10.21	7360.81	10.20
Hopper D	8743.42	12.12	8740.58	12.12
	72152.49		72131.70	

Sets versus Actuals:

	Set (lbs/hr)	Set %	Actual (lbs/hr)	Actual %
Hopper A	45.91	12.00	45.89	12.00
Hopper B	45.91	12.00	45.93	12.01
Hopper C	45.91	12.00	45.94	11.99
Hopper D	45.91			
	183.6			

Complete Monitoring

| Extrusion Line 1 | Extrusion Line 2 | **Extrusion Line 3** |

Hopper A

|	Set	Actual
Weight Throughput (lbs/hr):	62.357	62.273
Motor Speed (%):	8.311	8.303
Parts (%):	25.000	24.999

Hopper C

	Set	Actual

BLEND MANAGER
Wizard Walk-Through

This wizard allows you to configure a new trend, material or monitor session.
1. Selecting the session type.
2. Selecting the blender type.
3. Entering mini-op network settings (optional).
4. Selecting the values to be monitored.
5. Save these settings.

Select Session Type
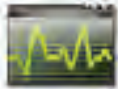
- (•) Trend Session
- ( ) Material Management Session
- ( ) Monitor Session

Select Equipment Type

- (•) Guardian
- ( ) Continuous
- ( ) Gravtitrol

Number of Hoppers: 4   Number of Additives: 0

Set IP Address

- ( ) Run with simulated data.

- (•) Enter the network address of the mini-op:

    IP Address: 192 . 168 . 2 . 120

    [Test Blender Network Connection]

Select Data to Trend

Category	Data Items to Trend	Data Points	Poll Rate (Secs)
System	☐	Set WTP	2
	☑	Actual WTP	1
	☐	Set Density	1
	☐	Actual Density	1
	☐	Set WPL	1
	☐	Actual WPL	1
	☐	Set Thickness	1
	☑	Actual Thickness	1
	☑	WPA	1
	☐	Actual WPA	1
	☐	Set Ratio Speed	1

Units

⦿ English   ○ Metric

Weight/Length Units
- ⦿ lbs/feet
- ○ lbs/1000 feet

Weight/Area Units
- ⦿ lbs/square feet
- ○ lbs/ream

Names

Blender or Production Line Name: Extrusion Line 1

☐ Use Product Codes (Recipe Names)   ☐ Extrusion Control Used

☐ Use Resin Codes (Resin Names)   ☐ Haul Off Used

☐ Use Job Names