DRJ Data Logger

Collect and record long term process conditions for the DRJ IBC Control System and nonIBC Width Controller

Many operations run around the clock production, and considering the myriad of processes to keep up with, sometimes critical data can be lost that could otherwise answer important questions regarding a blown film lines operation (for example: "What happened during night shift last night?").

DRJ has recently developed an optional feature to permit users to access this data in .csv format by exporting the data via FTP.

This enables users to collect data for up to 7 years and process the exported data on any spreadsheet or database program that accepts .csv data.

Long term process data can be used to validate production runs from start to finish, and everything in between.

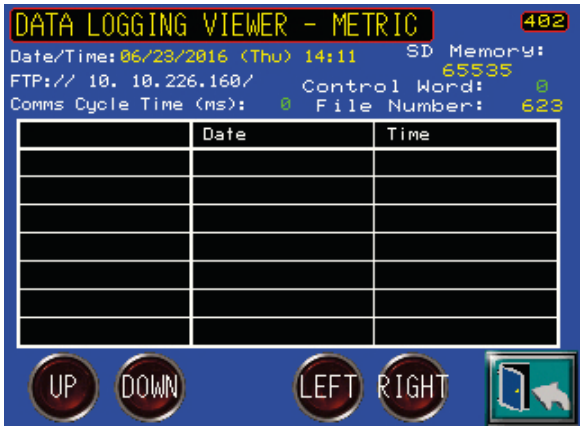
This can be a useful feature to:

- Evaluate machine productivity
- Track product changes / modifications
- Validate conformation to standard operating procedures
- Supply customers with a second point of quality control.

When this feature is added to the system, users have the option to have the data be logged constantly, or only while in actual production.

To confirm the system is logging the data, the DRJ touch screen has a Viewer screen to indicate that data is actually being written to the memory card. The data on this confirmation screen will refresh every two seconds (used only for reference that the data is being logged).

Validate Process Conditions with DRJ Data Logger



Data Logging Viewer Screen to Confirm Data Collection

Connectivity

The DRJ touch screen collects the data and stores it on a memory card. The touch screen hosts an FTP server, which can be accessed by connecting to the system via an Ethernet Connection (existing port standard on all modern DRJ control systems).

Reported Data

Data Logger reported data includes:

IBC System:

Actual Layflat
Layflat Target
Flat Width*
Inlet Speed
Outlet Speed
Screen Number
Bubble Position
Bubble Target
Valve Output
Inlet Pressure
Outlet Pressure

Coil Status: On/Off

- Inlet Blower
- Outlet Blower
- Run Mode
- Stable Bubble
- Layflat Control
- Fault / Warning
- Neck Height
- Layflat Deviation
- Bubble Break
- ABB Active
- Cage Active

LF Sizer:

Actual Layflat
Layflat Target
Flat Width*
Bubble Position
Bubble Target
Screen Number

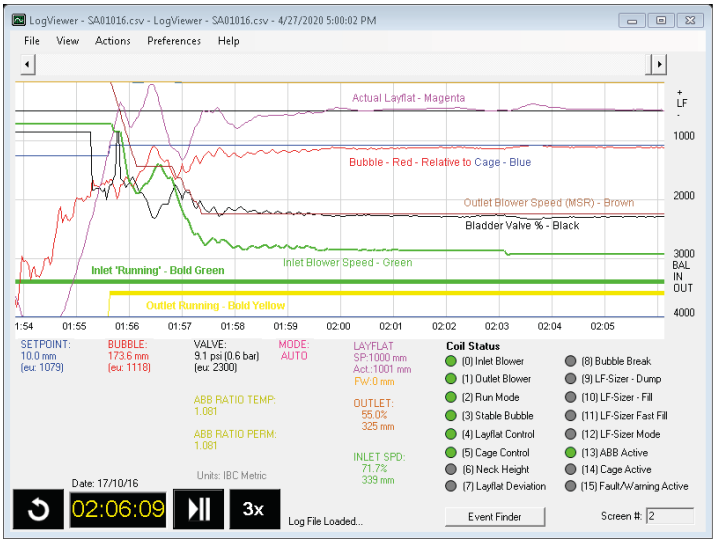
Coil Status: On/Off

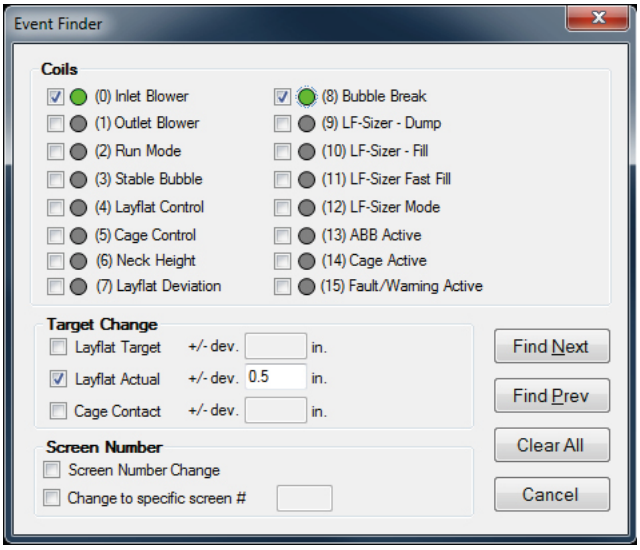
- Stable Bubble
- Neck Height
- Layflat Deviation
- Bubble Break
- LF-Sizer Dump
- LF-Sizer Fill
- LF-Sizer Fast Fill
- LF-Sizer Mode
- Fault / Warning

Flat Width data available with integration of a Kundig FE7 or FE8 measurement bar.

LogViewer

LogViewer allows users to view a blown film line's historical data in a trend graph format. The program runs from data collected by DataLogger. Replay speeds are adjustable, giving the user a convenient way to review a running trend of a previous job, which can serve as any easy way to visualize and troubleshoot issues.





Event Finder is search feature which allows users to select production events such as width changes or bubble breaks with user specified deviation windows. The feature then finds and tags occurrences on the viewer playback.

D.R. Joseph INCORPORATED

921 W. Harris Rd.
Arlington, TX 76001
USA

tel.: +1-817-987-2030
sales@drjosephinc.com
www.drjosephinc.com