

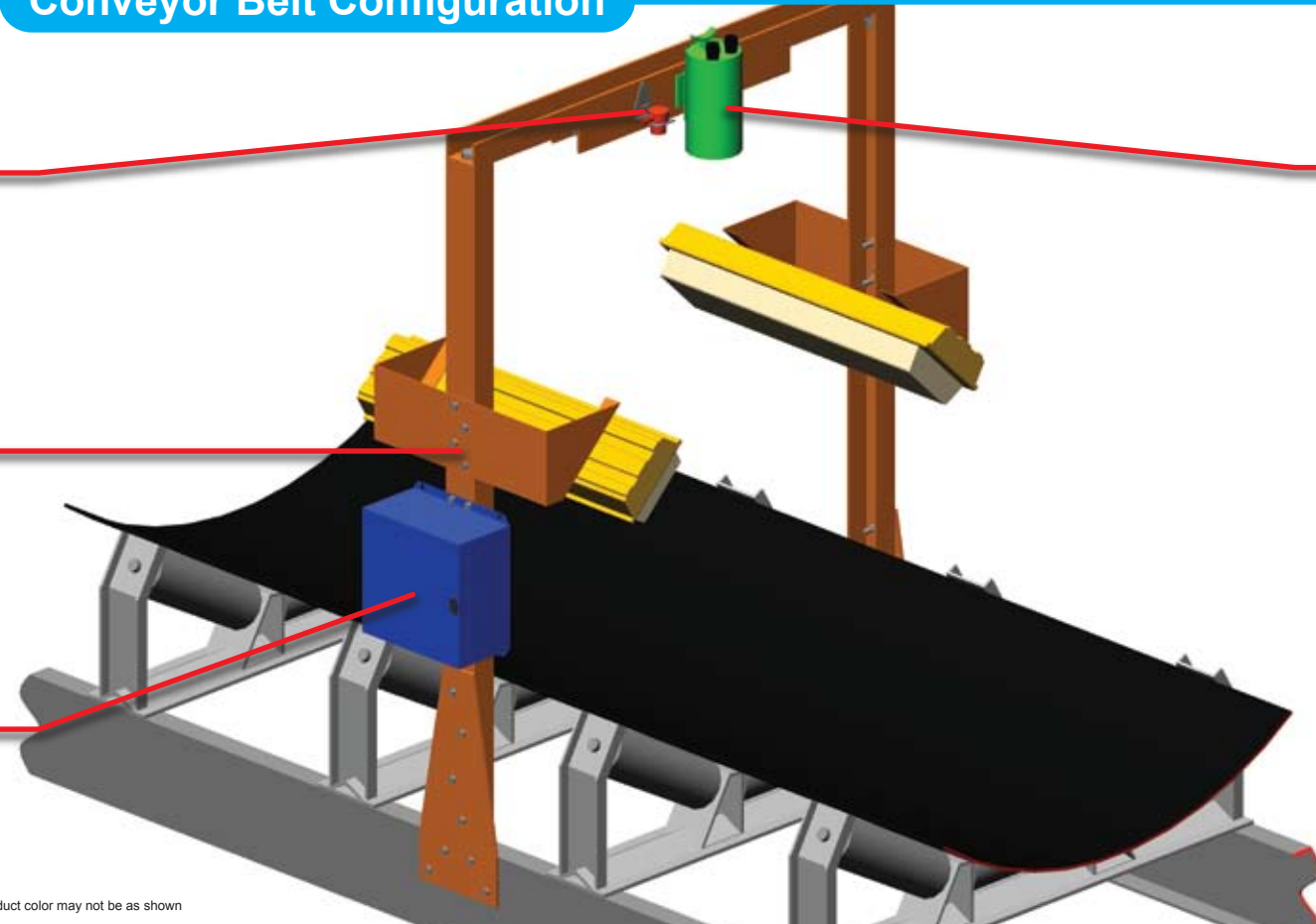
What is WipFrag Momentum?

WipFrag Momentum is a completely automated analysis system for measuring the size distribution of unconsolidated material on multiple conveyor belts in real time without disrupting production. This technology is highly configurable and performs well in harsh industrial environments for process automation and historical reference.

How It Works...

When material is present, the camera acquires image samples which are sent to the workstation. Proprietary edge detection is used to render a polygon network around each particle to instantly generate material specifications such as size distribution, uniformity, shape and more in real time.

Conveyor Belt Configuration



EDM sensor detects material and movement

Specialized lighting and universal frame accommodates any conveyor belt width

Control box provides easy access to power and signal components

High definition camera is available in a variety of resolutions (0.3-15.8Mp)

WipFrag Momentum System Features:

- High sampling frequency
- Expandable (multiple cameras)
- Real time sampling
- High component MTBF*
- Universal power 100-240VAC
- NEMA 4 / IP66 Ingress Protection
- Versatile I/O Connectivity
 - › OPC Client/Server (native)
 - › Modbus, RS232/422/485 (standard)
 - › 0-10V, 4-20mA, TTL, Relay (optional)

Product color may not be as shown

The Advantages...

WipFrag Momentum automatic granulometry analysis technology is a powerful tool that collects historical data in real time, enables process automation and minimizes the need for manual analysis which can be slow, subjective, disruptive and unsafe.

Benefits include:

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|-----------------------------|----------------------------|-------------------------|
| • Non-Contact | • High Accuracy | • Detect Irregularities |
| • Non-Disruptive | • Improve Safety | • Real Time Results |
| • Fully Automated | • Increase Efficiency | • Contamination Alerts |
| • Establish Quality Control | • Increase Throughput | • Reduce Maintenance |
| • Characterize Material | • Objective Quantification | • Reduce Waste |

The Results...

Output Graph/Chart types:

- Granulation Curve & Histogram
- Time Base Strip Chart

Output File types:

- Raster Image (JPG, BMP)
 - Vector Image (PDF, WMF)
 - Data (DAT, LOG, CSV, XML)
- ISO Metric or US Imperial Units
User Defineable Size Classes

