

What is WipFrag Reflex?

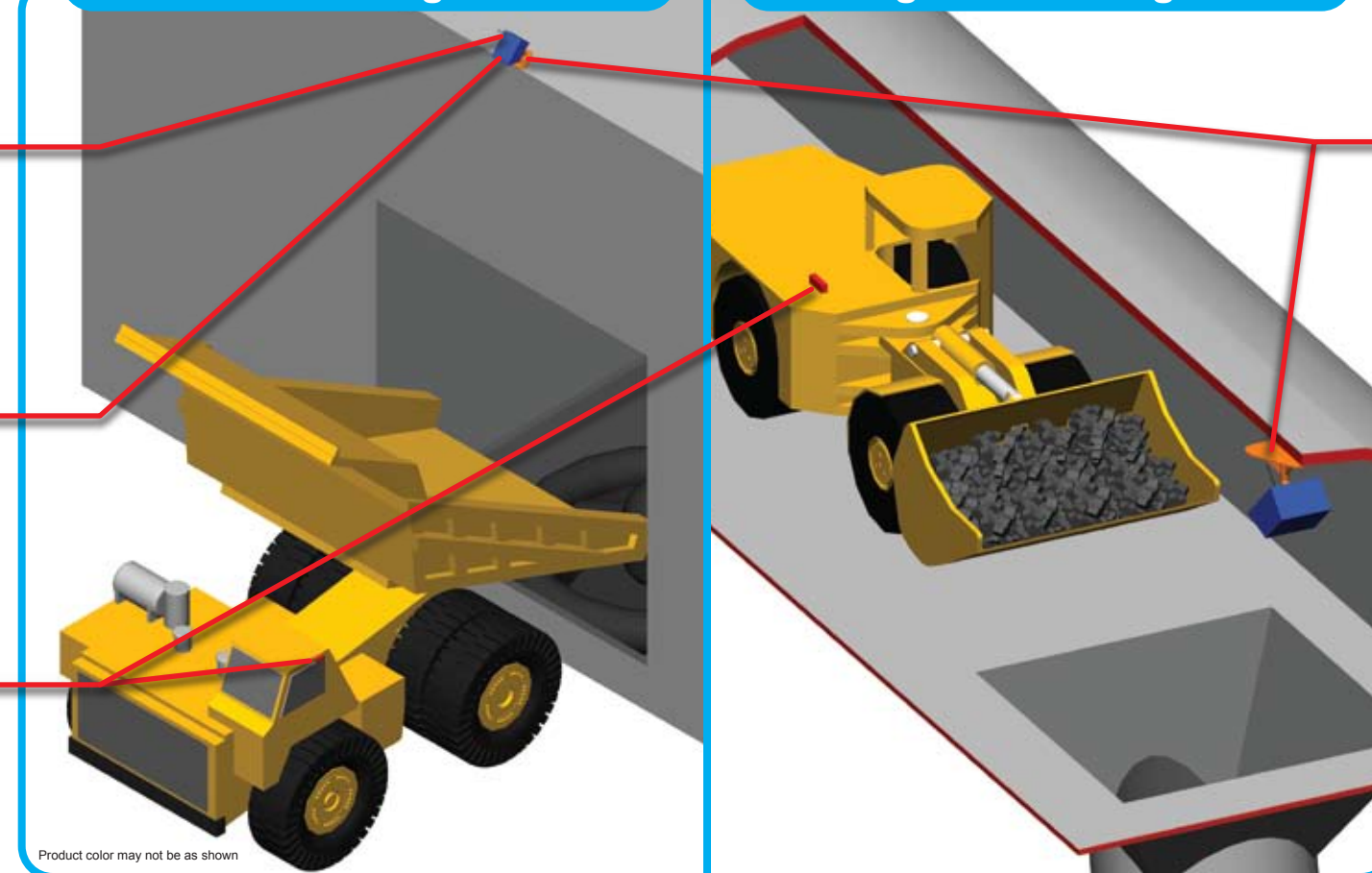
WipFrag Reflex is a completely automated analysis system for measuring the size distribution of unconsolidated material on LHD/HD vehicles in real time without disrupting production. This technology is highly configurable and performs well in harsh industrial environments for blast optimization and historical reference.

How It Works...

When a vehicle is detected, the origin of the material is determined and the camera begins acquiring image samples. 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.

Surface Configuration

Underground Configuration



Wireless access allows remote system configuration and data collection

Removeable head unit contains state of the art integrated components

Active RFID tag has a long read/write range and installs in minutes

Turret base is easy to adjust and can be mounted to the roof, wall or ceiling

WipFrag Reflex System Features:

- Portable
- Autonomous (just add power)
- 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 Reflex 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/Event 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

