

BeltMetrics™ 1.0 **NEW**

A Fully Automated, Real-Time Conveyor Belt Monitoring Solution



A complete solution for all your belt monitoring needs

BeltMetrics™ is a new offering from Motion Metrics International, to be unveiled publicly in the Motion Metrics booth at MINExpo 2012 in September 2012. BeltMetrics™ is a revolutionary one-stop solution for sensing vital parameters such as material fragmentation (P numbers), volume flow, mass flow, and belt conditions, in real-time using mostly non-contact sensors.

With ease of installation, this system can be set up in minimal time. The idea behind BeltMetrics™ is to have real-time data for plant managers and operators anywhere. The system is able to connect to the network and transmit all the data to the user even if they are in an office far from the installation location.

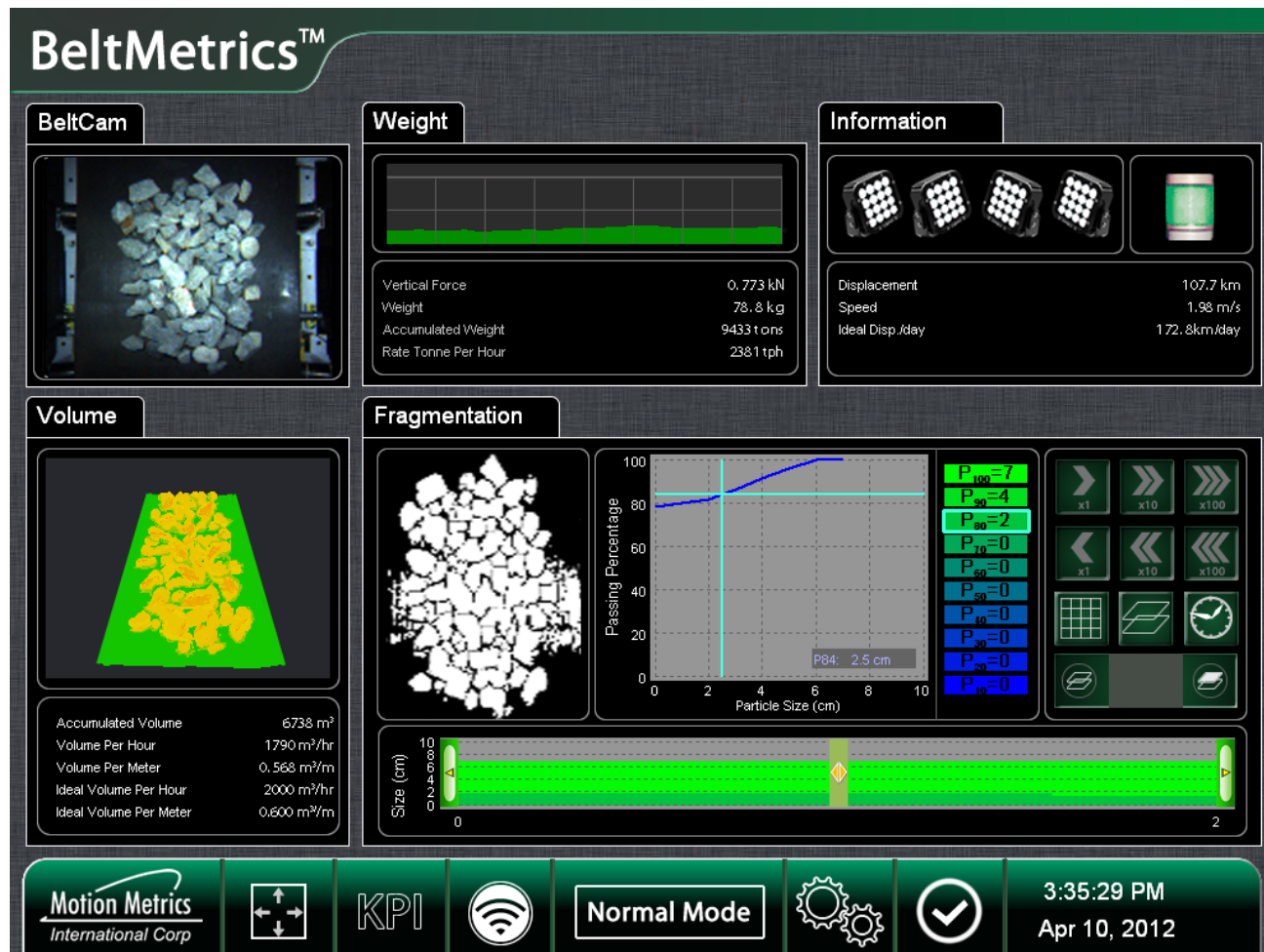
At the core of this product is a contactless sensor that can give the mine much of the information needed to run the plant efficiently and safely. The BeltMetrics™ system is designed to withstand the tough outdoor conditions of the mine reliably while delivering important measurements to the operation and plant managers.

The BeltMetrics™ Advantage

1. Easy installation with minimal calibration and maintenance requirements
2. Modular design easily adapts to various belt sizes and types
3. Robust network connectivity allows the data from multiple BeltMetrics™ systems to be accessed from a central location
4. Automatically generated reports provide key performance indicators such as:
 - Passing percentage numbers
 - Rock size distribution graphs
 - Accumulated mass and volume flow over specific time frames

BeltMetrics™ 1.0 **NEW**

The BeltMetrics™ system provides key performance values of the conveyor belt per shift. The front screen, updated in real time, provides a snapshot of all key information in one glance. All this information can also be accessed remotely on different mobile and desktop platforms.



BeltMetrics™ Operator Interface Showing Weight, Volume, and Fragmentation together with Key Performance Indicators

Remote Belt Inspection

Automatically captured conveyor belt images can be easily accessed via network connection, and used for remote inspection of belt wear, tears, and misalignment.

Fragmentation Analysis

A high-resolution camera automatically captures images of material on a moving conveyor belt and analyzes the size, shape, and fragmentation of the material. Rock size statistics and P numbers are reported automatically.

Mass and Volume Flow

An advanced multi-sensor system provides real-time mass and volume flow on conveyor belts which can also be used to determine the instantaneous and accumulated mass and volume on conveyor belts.