# LineView

EFFICIENCY

# THE SOLUTION FOR HIGH-SPEED PRODUCTION LINES

LineView™ performs True Causal Loss and OEE analysis on each of your lines, constantly identifying the real opportunities for improvement. A comprehensive solution that enables packaging operations to maximise throughput and achieve World Class OEE.
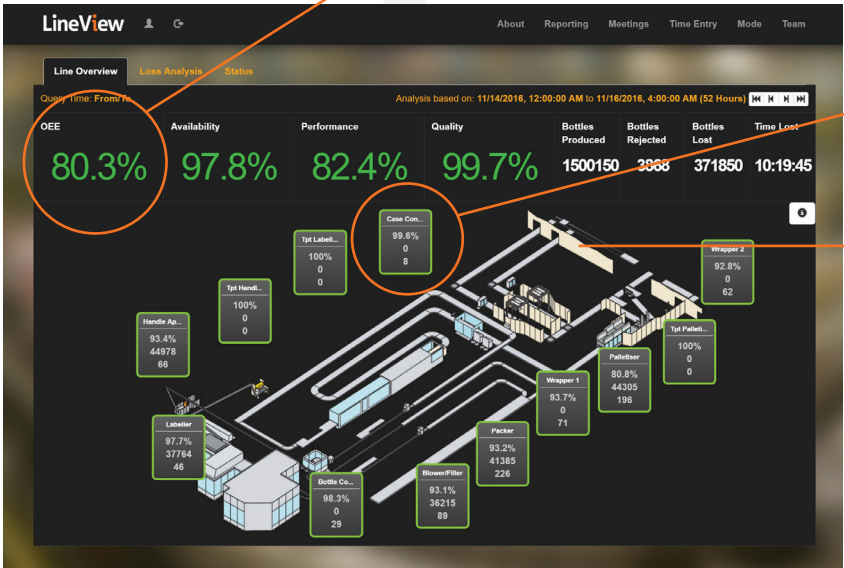
# Line Overview

**INSTANT OVERVIEW**
All your core KPIs in one place – at a glance. You're always in control: Output, Efficiency, and Loss at your fingertips



**EFFICIENCY FIGURES**
for every machine

**VISUAL SYSTEM**
Graphic overlay of your line to instantly see the state of every machine on the line

# Loss Analysis

**TRUE CAUSAL LOSS**
LineView features a fully automated casual downtime function. Real time 6 Loss Analysis splits your losses into categories to enable targeted improvement activity and effective decision making.

**LOSS CATEGORY DETAIL**

Time and percentage of loss per category

PDT - identify losses outside of planned activity time, identify overrun losses

Speed opportunities

Time lost at critical machine due to this machine stopping

Number of rejects and percentage loss

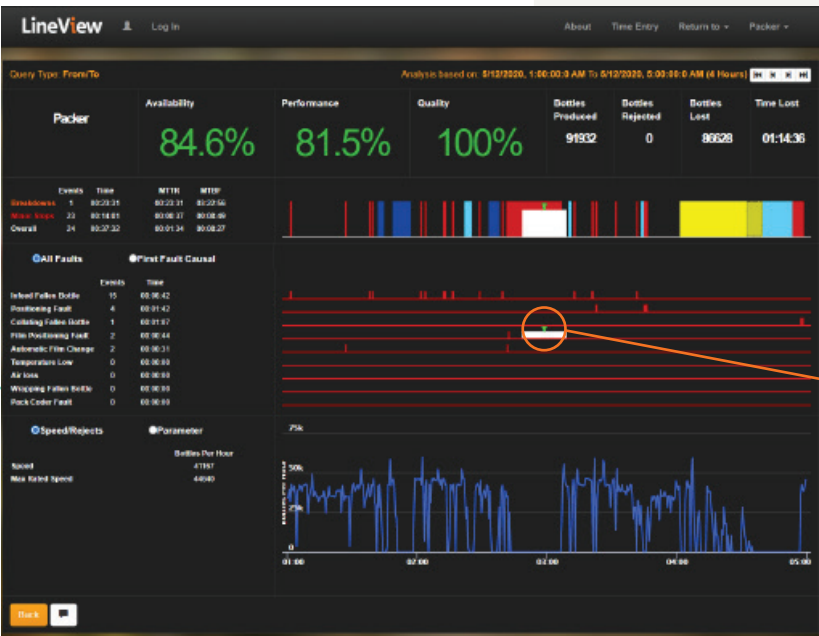**REVIEW PERIODICALLY**

**HIGHLIGHT LOSS**

# UNCOVER THE TRUE CAUSE OF PRODUCTION LOSSES WITH SHORT INTERVAL CONTROL

## Status Screen

**INSTANT STATUS SUMMARY**
Summarize line performance in one chart. Coloured blocks indicate machine stoppages. Easily identify individual downtime and how it has affected total output.

The top half of the screen analyses how one stop affects the whole line upstream and downstream

Comment entry indication

Operator can provide additional fault information and select a category

The bottom half of the screen tracks utilisation and real time speed

LINE DNA

## Machine Diagnostics

**ROOT CAUSE**
Identify the root cause of your machine stoppages with high resolution automated trending of PLC fault codes on each machine.

**FIRST FAULT CAUSAL LOSS**

**KEY METRICS**
• Machine Availability
• Machine Efficiency
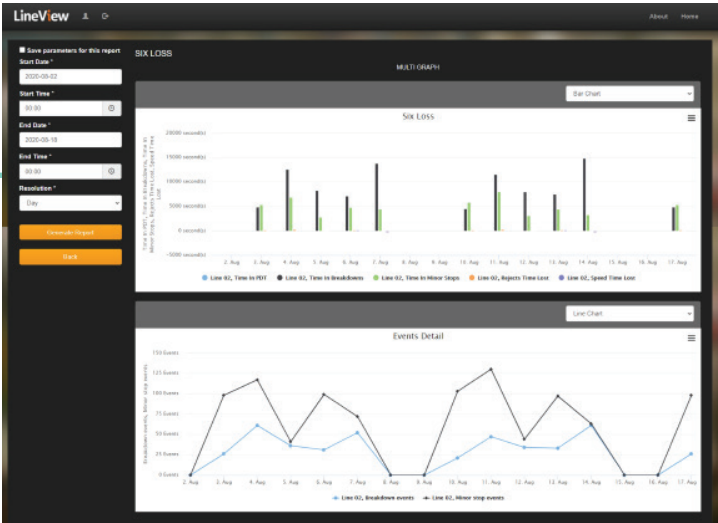• Downtime Analysis
• MTBF/MTBT/MTBR
• Parameter trending

MACHINE KPIS

## TACTICAL REPORTS BUILDER

IDENTIFY CAUSE          MEASURE RESULTS

TAKE ACTION

# LineView

## Fully integrated line information system, instantly identifying the highest impact opportunities for targeted productivity gains

Add-on modules available:

FactoryView                      QualityView

EnterpriseView                   EnergyView

Built-in Management
Routines

**Integrated monitoring and analysis with live trending**

**Powerful True Causal Loss and 6-Loss insight**

**Comprehensive reporting suite with ready-to-use reports**

**Modular solution with robust tools for roll-out success**

## Benefits & Notable Features

- Access through a browser-based interface with role-based logins on any connected device

- Real-time feedback flags urgent problems like machine stoppages for immediate corrective action

- Fully automated casual downtime function, use True Causal Loss, now down to machine fault level

- SAP and other 3rd Party ERP Integrations to create a hub for all operational data, independent of any OEM

- Drill-down to analyse productivity loss by line, area, machine, fault, parameter

- Simple configuration and ongoing maintenance through a drag-n-drop interface

- Track Mean Time Between Failure/To Repair of each machine on the line and compare SKUs, teams, shifts, OEMs and more

- Interfaces with existing data sources for automated data capture direct from a PLC or remote I/O
  *Supports OPC /Wiehenstephaner / Modbus standards / SQL*

- Line Balance and V-curve analysis is made easy through visual representation

**WORK flow**

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**LineView** SOLUTIONS