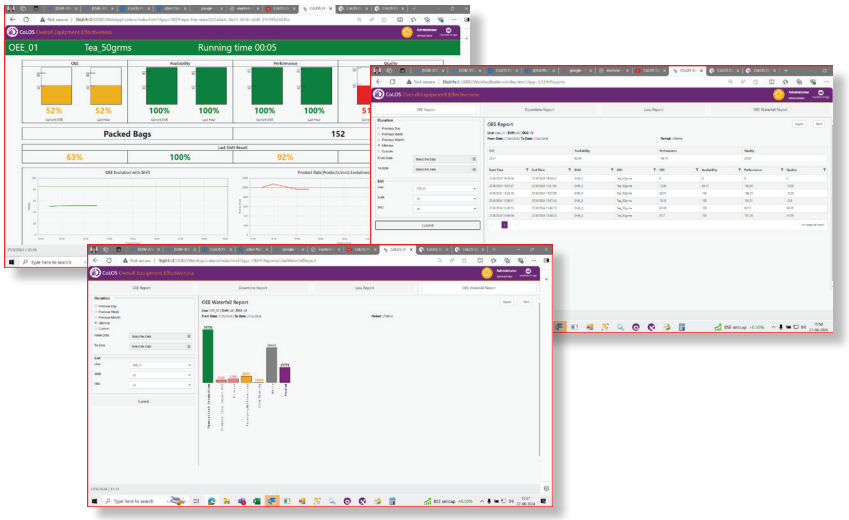
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CoLOS® Software & Solutions

Overall Equipment Effectiveness - OEE



Production performance

Between manufacturing and selling your products, you have more important things to worry about than ensuring the right information is printed every time. You need accuracy and efficiency in your printing and coding so you can focus on producing high quality products.

CoLOS® Packaging Intelligence System comes with a variety of applications that can help you reduce waste from coding and marking errors, increasing line efficiency, and protecting brand value by ensuring printing compliance.

Through **CoLOS® OEE**, you can increase your productivity even further by gaining better insight into performance losses and bottlenecks so that you can take the right corrective measures and then, follow up your line improvement gains.

Advantages at a glance

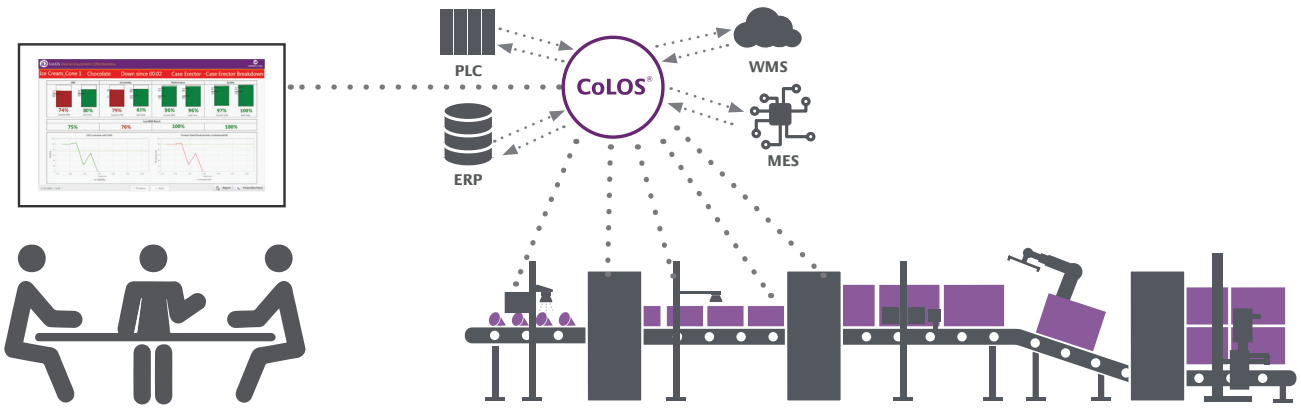
Quicker, deeper insights into production issues

- Collects real-time data from Markem-Imaje printers and other devices, on the packaging line to **automatically compute OEE** with key performance indicators (KPIs) of availability, performance and quality
- Browser-based dashboards highlight KPI losses and downtime reasons in **real-time,** allowing operators and supervisors to take steps quickly to address any problems
- **Improved availability, performance** and quality by making data-driven decisions from analysis of historical reports by tackling key downtime, performance and quality losses continuously, with an expected gain of 10-15% on critical lines

Easy to implement

- A **ready to use** (in days, not months or years) add-on module is available
- This is an **off-the-shelf solution** which can be used straight out of the box, but is still 100% configurable without needing custom coding to tailor the software to your needs
- It is **Scalable and capable** of advanced configuration with a multi-step approach from one line to full-site deployment, with optional workflow engine for advanced configuration of site-specific processes

Analyze packaging line performance in real-time



Overall Equipment Effectiveness - OEE

Key use case

Comprehensive visibility to production: Plant managers can get overwhelmed with multiple reports and some might get missed in the process of consolidation leading to skewed reports. OEE collates the data from all the devices on the line including Printers, Scanners, cameras, PLC, Data systems etc. to create comprehensive reports on production and performance to help achieve overall visibiity and take timely decision to optimize production.

Specifications

Features

- Collects production data directly from existing printers
- Optional OPC-based (open platform communication) production counters
- Calculates overall OEE from KPIs for availability, performance and quality
- Configurable line constraints and downtime reasons
- Operator interface for rapid selection of downtime reasons
- Configurator for automated planned stops with downtime reasons
- Live factory and line dashboards for immediate operator intervention
- Historical reporting for analyzing inefficiency trends and root causes
- Advanced configuration of screens and workflows for site-specific processes
- Advanced line integration for automatic downtime reason collection

Compatibility

- Supports all Markem-Imaje printers connected to **CoLOS®** Links to OPC-based production counters

License

Part of the **CoLOS®** family of applications which are available in different bundle sizes for all your printer, line and factory solutions. Our application modules come with information and automation interface add-ons to ensure seamless integration with your existing infrastructure.

- The feature is available with **CoLOS Line, CoLOS Factory** and **CoLOS Site** as an optional feature

Interface available in the following languages

- English, Czech, German, Turkish, Greek, Spanish, French, Hungarian, Romanian, Italian, Russian, Polish, Portuguese Brazilian, Japanese, Chinese, Korean, Arabic

CoLOS® V7 is for Windows 10 32/64bit, Windows 11 64 bit, Server 2012/2016/2019/2022 64 bit
Minimum system requirements: 3GB RAM, Intel 2.6 GHz (multicore CPU preferred), 5GB free hard disk space
Production UI Browser Firefox 120.0 and onwards/Chrome 110 and onwards /Edge 110 and onwards

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