Overall Equipment Effectiveness - OEE

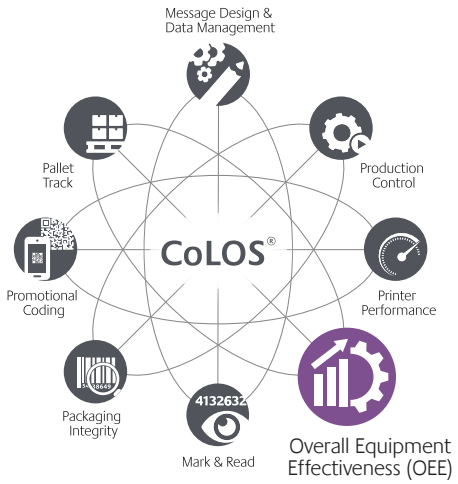
PRODUCTION PERFORMANCE

CoLOS® Software Applications

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.

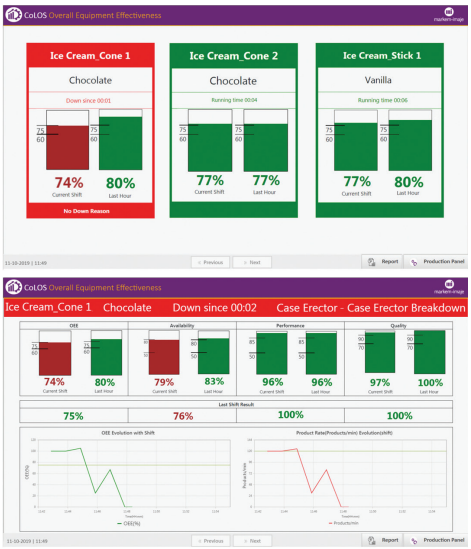
CoLOS® Information Management System comes with a variety of applications that can help you reduce waste from coding and marking errors, increasing line efficiency and protecting brand value by ensuring printing compliance.

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.



Quicker, deeper insights into production issues

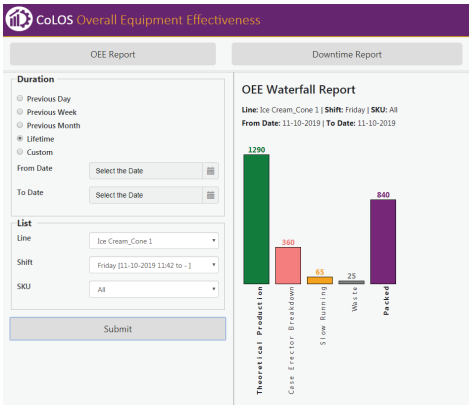
- **Automatic OEE calculations**
  CoLOS® OEE collects real-time data from Markem-Imaje printers and other devices, on the packaging line to compute OEE with key performance indicators (KPIs) of availability, performance and quality
- **Real-time information**
  Browser-based dashboards highlight KPI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



View OEE at a factory or line level

Easy to implement

- **Ready to use in days, not months or years**
  An add-on module available for use with the market-leading CoLOS® Information Management System
- **Off-the-shelf solution**
  CoLOS® OEE can be used straight out of the box, but is still 100% configurable without needing custom coding to tailor the software to your needs
- **Scalable and capable of advanced configuration**
  Suitable for a multi-step approach from one line to full-site deployment, with optional workflow engine for advanced configuration of site-specific processes



Identify downtime reasons at a glance

OEE - Specifications

OEE features

- Collects production data directly from existing printers
- Optional OPC-based (open platform communication) production counters
- Calculates overall OEE from availability, performance and quality KPIs
- 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

Interface available in the following languages

- English, Chinese, Dutch, French, German, Italian, Japanese, Portuguese, Spanish

CoLOS® applications tailored to your needs and size

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.

	Fully-featured image design and data management	Line-level printing control and monitoring	Factory-level printing control and monitoring
	1 printer at a time	Up to 4 networked printers	Up to 99+ networked printers
	CoLOS® Base	CoLOS® Line	CoLOS® Factory
CoLOS® Message Design & Data Management	●	●	●
CoLOS® Production Control		●	●
CoLOS® Printer Performance		o	o
CoLOS® Overall Equipment Effectiveness (OEE)		o	o
CoLOS® Mark & Read		o	o
CoLOS® Packaging Integrity		o	o
CoLOS® Promotional Coding		o	o
CoLOS® Pallet Track		o	o

o = Optional

CoLOS V6 is for Windows 7 32/64bit, Windows 8.1 32/64bit, Windows 10 32/64bit, Server 2008/2012/2016

Minimum system requirements: 16GB RAM, Intel 2.6 GHz (multicore CPU required-minimum 2 physical cores), 12GB free hard disk space, Production UI Browser IE11/Firefox 68.0/Chrome 75.

We reserve the right to amend the design and/or specifications of our products without notice.
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