



markem·imaje
a **DOVER** company

CoLOS[®] Software

Software & Solutions



Minimize waste, achieve compliance, and drive efficiency

Printer Intelligence | **Packaging Intelligence** | Brand Intelligence

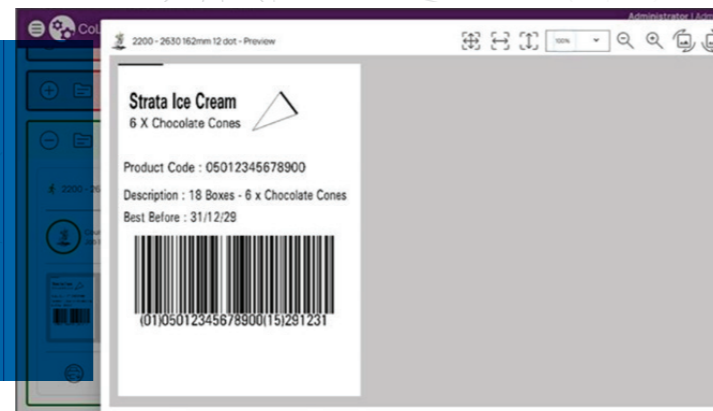
Did you know?

You can reduce costs of manual data entry and message data maintenance by **90%**



You can cut your changeover duration by **50%** and save hundreds of hours per year

You can ensure that your finished products are correctly marked and **100%** compliant with regulations



You can reduce your coding errors and cut up to **15%** off your total running costs

Automate packaging operations

CoLOS® Software and Solutions is a comprehensive packaging automation software that revolutionizes the way you design, produce, and manage your packaging operations. From message design and label creation to pallet tracking and ERP/WMS/MES integration, our software streamlines and digitizes every step of the packaging process, enabling you to:



Increase efficiency and productivity



Reduce errors and waste



Ensure compliance and traceability



Enhanced layers of security | Cyber security



Gain real-time visibility and control



Optimize operations and make data-driven decisions

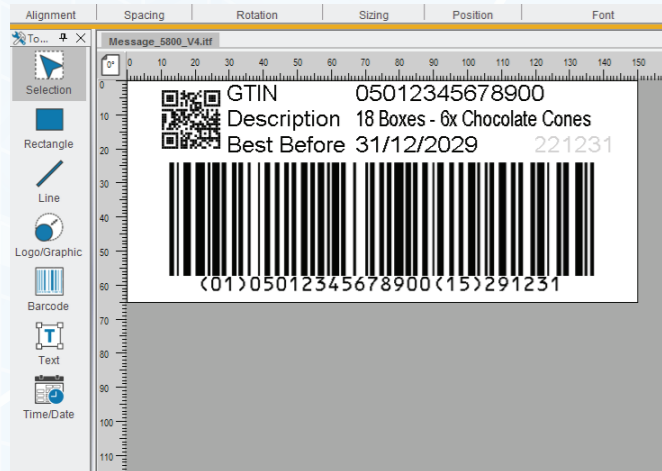
With **CoLOS**® Software and Solutions, you can transform your packaging operations into a seamless, automated, and connected process that drives business growth and efficiencies.



Key features

Message Design

Centrally design simple and complex messages that are compliant with regulations in a single user interface.



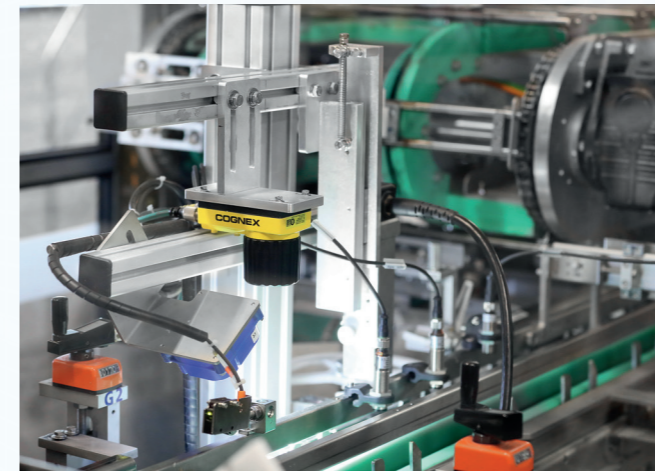
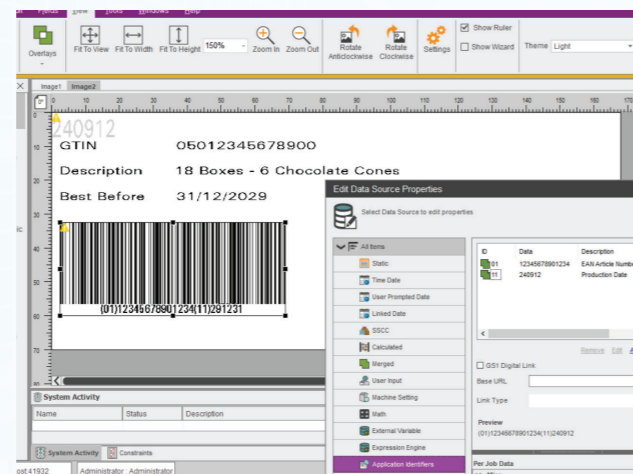
Printer Performance

Gain complete visibility to printers performance for view faults, warnings and generate reports for quick analysis and decision making.



Design Control

Control approval workflows and security of the message designs.



Mark & Read

Print, check, verify and inspect the messages, codes, products and packaging material for defects and defaults.

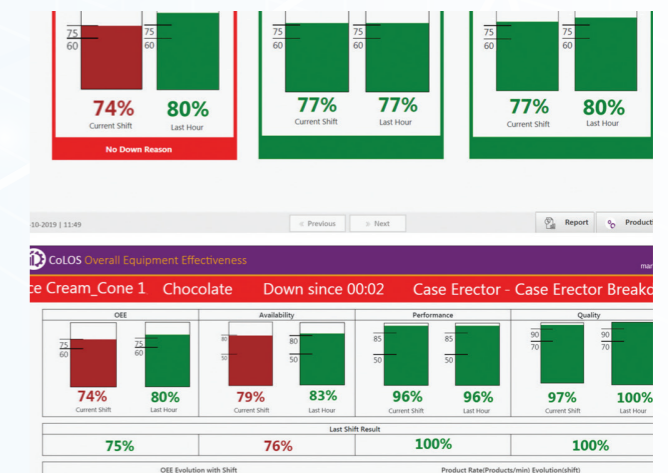
Data Management

Auto populate messages with SKU details and data from EPR master product table.



Overall Equipment Effectiveness (OEE)

Collect data from all the devices on the line including printers, scanners, cameras, PLC, Data systems etc. to create comprehensive reports on production and performance.



Intelligence beyond the mark.

Solutions from code to connected product

Our comprehensive packaging automation solution comprises several modules that work together to streamline and optimize your packaging operations. The following modules are designed to address specific pain points and requirements:



IT-OT Integration



Paperless Quality



Serialization & Aggregation



Data Intelligence



Message Management & Control



Marking & Coding



Verification



Line Control & KPIs



Pallet Track



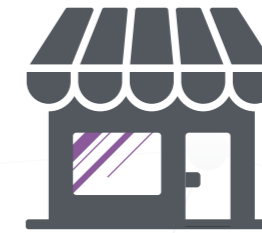
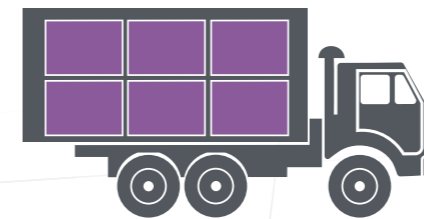
Traceability



Real-time Authentication



Connected Consumer



Primary coding

Secondary coding

Tertiary coding

Message Management & Control



Centralize message design, approval, and management

IT/OT Integration



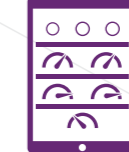
Ensure communication and integration between production and ERP/WMS/MES/IT data

Pallet Track



Track and manage pallets in real-time, throughout production

Line Control & KPIs



View and optimize printer performance and production data for detailed reporting and analytics

Verification



Ensure accurate and compliant label printing, with real-time verification

Paperless Quality



Ensure accurate and compliant label printing, with real-time verification

Serialization & Aggregation



Execute brand promotion campaigns with unique codes

Connected Consumer



Empower brands to engage with consumers for retention and loyalty

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.

CoLOS[®] Lite

For small businesses and early-stage start-ups

Design & store compliant labels in cloud, assign them to printers and print with a range of Markem-Imaje printers.

CoLOS[®] Base

For small businesses and early-stage start-ups

Design compliant labels, assign them to printers and print with a range of Markem-Imaje printers.

CoLOS[®] Line

For growing and small-medium businesses

Design compliant labels, integrate, control and automate printing operations on a single line.

CoLOS[®] Factory

For large businesses and global players

Design compliant labels, integrate, control and automate printing operations on multiple lines.

CoLOS[®] Sites

For Large Businesses spread across multiple locations

Centrally design compliant labels, integrate, control and automate printing operations across multiple sites/factories.

CoLOS[®] Embedded

For packaging equipment OEMs

Drive the widest range of primary, secondary and tertiary printers from Markem-Imaje simply by embedding the full power of CoLOS[®] software.

CoLOS [®] Software License	CoLOS [®] Lite*	CoLOS [®] Base	CoLOS [®] Line	CoLOS [®] Factory	CoLOS [®] Sites	CoLOS [®] Embedded
Printers	1 printer at a time	1 printer at a time	Up to 4 networked printers	Up to 25 networked printers	Up to 25 networked printers	Up to 4 networked printers
License Type	Subscription	Perpetual	Perpetual	Perpetual	Subscription	Perpetual
Message Design	Core	Core	Core	Core	Core	-
Data Management	Core	Core	Core	Core	Core	Core
Production Control	-	-	Core	Core	Core	Core
Optional/Configurable	-	-	Optional/Configurable	Optional/Configurable	Optional/Configurable	-
Vision Solution (Mark & Read)	-	-	Optional/Configurable	Optional/Configurable	Optional/Configurable	-
Paperless Quality	-	-	Optional/Configurable	Optional/Configurable	Optional/Configurable	-
Printer Performance	-	-	Optional/Configurable	Optional/Configurable	Optional/Configurable	-
Overall Equipment Effectiveness	-	-	Optional/Configurable	Optional/Configurable	Optional/Configurable	-
Serialization	-	-	Optional/Configurable	Optional/Configurable	Optional/Configurable	Optional/Configurable
Pallet Track (Auto & Manual)	-	-	Optional/Configurable	Optional/Configurable	Optional/Configurable	-
Connected Consumer	-	-	Optional	Optional	Optional	-
High Availability	-	-	N	N	Y	-
Deployment	Markem-Imaje Cloud*	On-premises	On-Premises	On-Premises	On-Premises, Markem-Imaje Cloud*, Customer Cloud	On-Premises
Storage	1GB	NA	NA	NA	2G	NA

*Launching soon

Solution Services

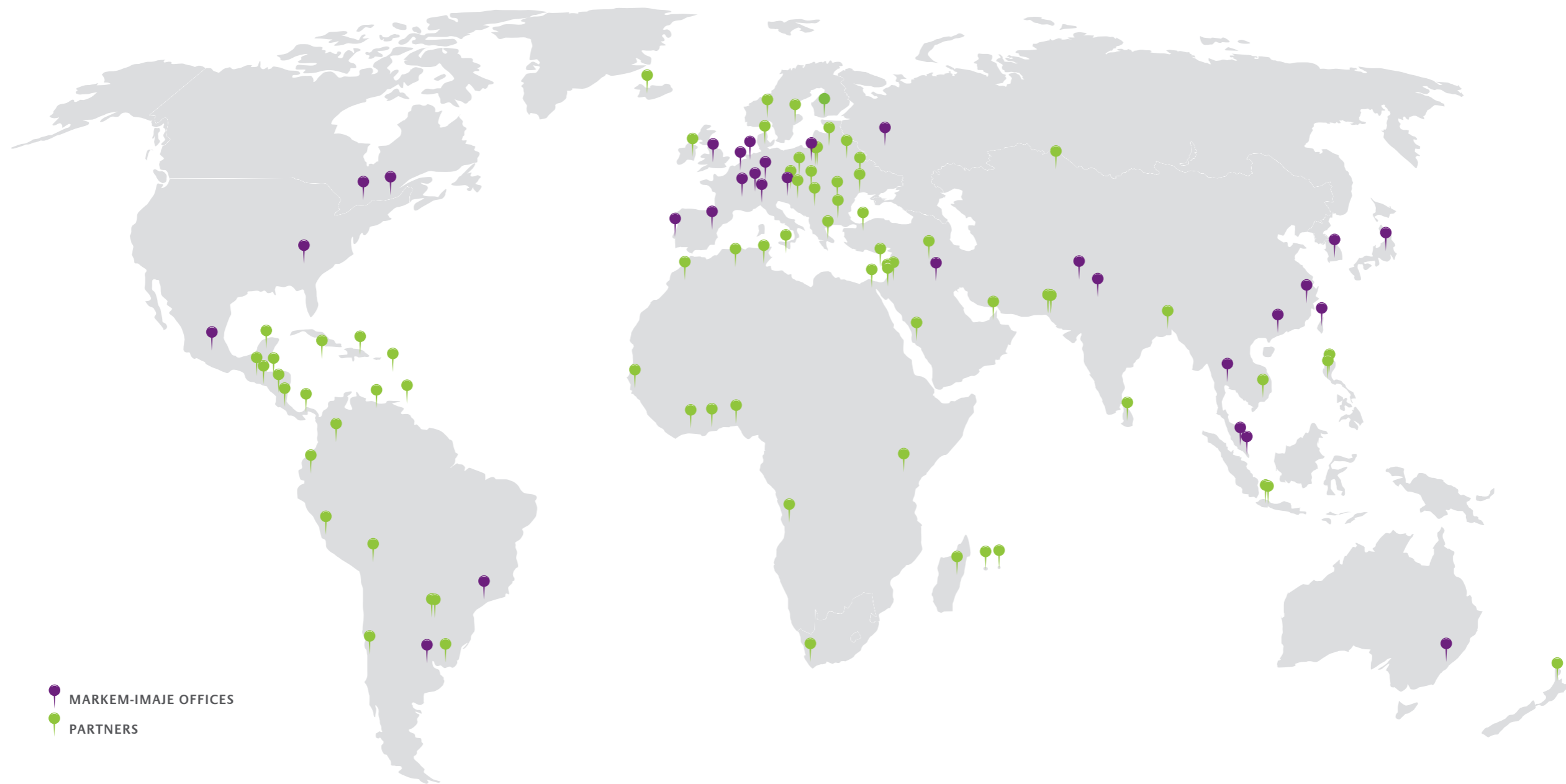
Our team will identify which solution, or combination, best suits your needs and oversees all aspects of solution implementation, freeing you up to focus on other priorities. Project management by the Solution Services team ensures seamless and economical implementation of Packaging Intelligence solutions.

Discover	Deliver	Support
We provide workshops or site surveys to help define your requirements for successful projects.	We deliver complete turn key project delivery services. Taking full responsibility for printing technology, vision, software and integration solutions.	We offer a competitive range of support contracts for software, device (printer and cameras) and services.

About Markem-Imaje

Markem-Imaje, a wholly owned subsidiary of Dover Corporation, connects products and protects brands through intelligent identification, traceability and consumer engagement solutions. We offer the industry's most comprehensive range of marking and coding systems seamlessly integrated with trusted software, services and consumables. Over 50,000 customers worldwide partner with us to help them unlock the power of information in codes.

With decades of proven expertise provided through the most extensive global network, we empower our customers to optimize supply chain efficiencies, achieve sustainability and compliance objectives, keep products safe and engage their consumers. This is intelligence, beyond the mark.



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

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