



Technical Packaging Systems, Inc.

Intelligent identification and
traceability solutions

Marking and coding systems



markem·imaje

a **DOVER** company





INKJET

9750

Design for medium to heavy duty productions lines, 9750 simplifies ease of use, contributes to sustainability and enhances convenience through digitalization

- Intelli'Inks system ensures optimal coder performance and flexibility when coding different package materials.
- Intelli'Swap technology streamlines mechanicals down to swappable modules.
- Jet Speed Control technology automatically adjusts ink and printer variables to ensure drop placement, quality and code consistence. Every time.
- Intelli'Swap modularity enables you swap out only the individual parts that need to be replaced and not the entire block
- Intelli'Design process and a portfolio of rigorously developed ink formulations help reduce consumable consumption and VOC emissions by up to 50% while improving operator safety, well-being and TCO
- Consumable-saving mode additionally reduces consumption and waste



9450

Design for medium to heavy duty productions lines, 9450 helps maximize your OEE and take your Brand to the next level

- Up to 20% reduction in consumable use and energy consumption. Optimized waste related expenses.
- Clean and secure, our innovative cartridge system requires no set-up and eliminates consumable management errors.
- Clean it with pressured water and industrial detergent and make sure your hygiene standards are met.
- Helps you carry out your marketing initiatives and campaigns by simply inserting a USB thumb drive.
- Text, logos and 2D barcodes, etc. available in 35 languages.
- Ink references with a high level of adhesion, contrast and color where needed as well as anti-counterfeiting solutions and environmentally-friendly inks.



SMARTDATE X45

Design for easy integration into medium duty equipment, the SmartDate X45 delivers cost-effective, high-performance printing on flexible film packaging, while tracking your OEE data.



- Coder can be configured to monitor your 5 most important production metrics directly from your home screen e.g., pack rate, throughput, availability.
- Animated help and 'how to' tutorials provide guidance on setup and daily maintenance procedures to ensure consistent print quality.
- Configurable profile password function (operator, supervisor and engineer) manages access and limits human-related errors.
- Promotional coding function* allows for unique coding on each pack.

- In addition to its dead-dot detection system, the easy-to-install SmartDate Detect-Plus system checks and confirms the code's presence, position and quality on every pack and directly on the user 10.1" interface.
- Print speed can be set from 30 mm to 600 mm per second allowing for 220 printed packs per minute at 300 dpi.

SMARTDATE X65

Designed for the most demanding, high-volume applications, the SmartDate X65 delivers high resolution coding on flexible film packaging as fast as 455 packs per minute. Optimize and enhance your Overall Equipment Effectiveness (OEE) through MI Sigma reporting.



- Coder can be configured to monitor your 5 most important production metrics directly from your home screen e.g., pack rate, throughput, availability
- Animated help and 'how to' tutorials provide guidance on setup and daily maintenance procedures to ensure consistent print quality.
- Configurable profile password function (operator, supervisor and engineer) manages access and limits human-related errors.
- Promotional coding function* allows for unique coding on each pack.

- In addition to its dead-dot detection system, the easy-to-install SmartDate Detect-Plus system* checks and confirms the code's presence, position and quality on every pack and directly on the user 10.1" interface.
- Print speed can be set from 10 mm to 1800 mm per second allowing for 455 printed packs per minute at 300 dpi.

LASER

INDELIBLE CODING: CLEAN, NO COUNTERFEITING.

SMARTLASE C600

Power to do more. The rugged SmartLase C600 delivers high quality, chemical-free, permanent coding as it lowers your operating expenses

- Clean, readable and traceable even at high line speeds and product throughput, minimizing rework and recall costs
- Permanent, indelible marking prevents counterfeiting, protecting brand integrity
- A unique algorithm drives high-performance digital galvanometers.



- Lower operating expenses by eliminating the cost of consumables and external cooling
- Virtually maintenance free to increase Overall Equipment Efficiency (OEE) and minimize production losses with fewer line stoppages
- Reliable operation in harsh, dusty and humid manufacturing environments with an IP55 controller unit and printhead

SMARTLASE C350/C350S

Designed to produce high contrast codes on wide areas typical for stick packs, multi-lane and matrix applications; capable of coding and scoring.



- Use two 30-watt lasers to print 670 mm wide web or three to print 1005 mm wide web..
- Qualified on multi-lane sticks packaging machines (Mespac, Toyo, Schmucker) Advanced head mount and extraction kits available.
- With 0° or 90° scan head orientation options available you can put your text anywhere, in any orientation unlike traversing solutions.
- Dedicated fume extraction system for a cleaner, healthier, safer, odorless working environment.
- Patented SmartLase Code Technology with Intelli'Arc scribing, codes 30% faster than conventional vector lasers.
- Last minute customization possible (weight, promotion, etc.) helping to reduce foil inventory



LASER

INDELIBLE CODING: CLEAN, NO COUNTERFEITING.

SMARTLASE F250-FIBER

Power in a small package. The compact SmartLase F250 delivers high-quality, chemical-free, permanent coding as it lowers your operating expenses

- Clean, readable and traceable even at high line speeds and product throughput, minimizing rework and recall costs
- Permanent, indelible marking prevents counterfeiting, protecting brand integrity
- High-performance digital galvanometers are driven by a unique algorithm
- Lower operating expenses by eliminating the cost of consumables and external cooling
- Virtually maintenance free to increase Overall Equipment Efficiency (OEE) and minimize production losses with fewer line stoppages
- Reliable operation in harsh, dusty and humid manufacturing environments with an IP55 controller unit and printhead



5940G Printer

The 5940G sets the standard of coding quality, compliance, operational efficiency and reduced total cost of ownership (TCO) with a sustainable solution. Greater throughput and compliant barcodes including GS1-128 requirements.

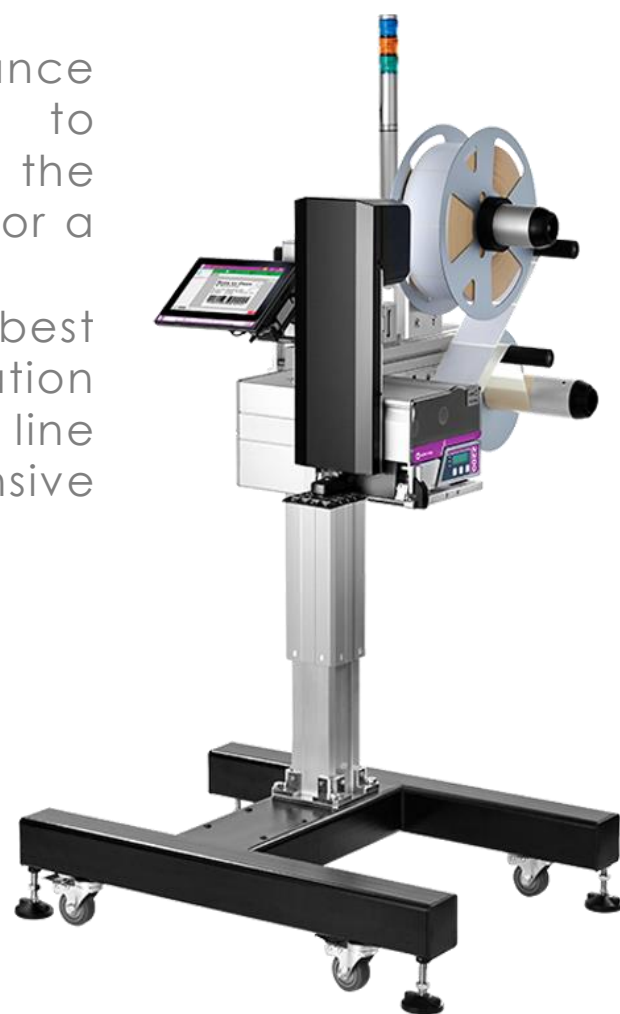
- Proven code quality made even better with patent pending Intelli'Flow™ technology
- Highest quality codes for GS1-128 compliance
- Code verification via advanced vision inspection
- Faster ramp-up to increase production time – up to 6.9%
- 43% less operator intervention to boost productivity
- Supports 1D and 2D scanners for lookup and verification, comes standard with five inputs and five outputs, all programmable



2200 Printer

The 2200 Series provides a flexible range of print and apply labeling solutions, from simple case labeling to high-speed front of pack or multi side labeling

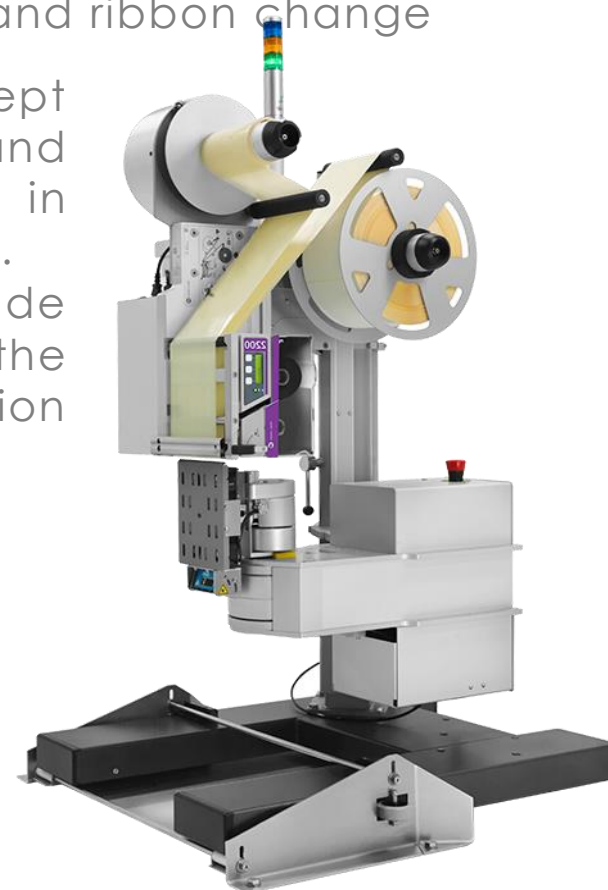
- Safe and easy to use, competent operation can be achieved with less than 5 minutes of training.
- Use the simple three key graphical operator panel or add the color touch screen Production Interface.
- Longer media lengths for extended operation and synchronized media reloading.
- Compliant ANSI grade A/B codes even at the highest application speed.
- Simple routine maintenance regimes with the ability to exchange wear and without the need for complex calibration or a tool of any type.
- Wide range of applicators best suited for each application minimizing the need for line changes and expensive modifications.



2200 Pallet

Markem-Image's 2200 Series provides a flexible range of pallet labeling to full GS1 compliant pallet labeling

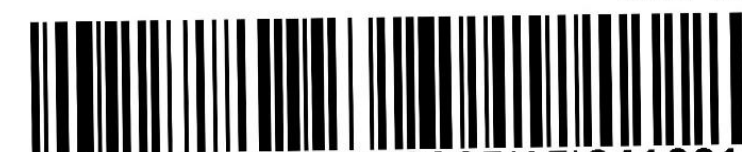
- High performance non-stick label pad and contact parts for easy to clean, uncomplicated operation.
- 1 or 2-side pallet labeling at speeds up to 120 pallets per hour.
- Dual RISC processors, supported by a dedicated ultra fast co-processor, deliver efficient performance.
- Synchronized label and ribbon change
- «No tools» concept allows printhead and roller exchanging in less than 60 seconds.
- Compliant ANSI grade A/B codes even at the highest application speed.



Soft Drinks Factory
Apple Juice

Product Code: 05032345678925
Description: 8 x Apple Juice Bottle
Best Before: 31/12/24

Batch: 445C



(01)05032345678925(15)241231

Print & Apply



eTouch-S



eTouch-S
Blow



Blow



Flex SE



Enhanced
Wipe



Corner
Wrap

Feature comparison

	eTouch-S	eTouch-S Blow	Blow	Flex SE	Enhanced Wipe	Corner Wrap
Label position	Top or side	Top or side	Top or side	Front, side or dual	Front, side, dual or over a corner	Over a corner
Product motion	Moving or stationary	Moving or stationary	Moving or stationary	Moving	Moving	Moving
Application method	Touch	Blow	Blow	Wipe and tamp	Wipe	Wipe
Product Contact	Yes	No	No	Yes	Yes	Yes
Application rate* (Labels per minute)	Over 150	Up to 140	Over 100	Over 90	Up to 60	Up to 30
Label maximum size (mm)	178 x 225	178 x 225	110 x 100	150 x 120	175 x 155	115 x 400
Label minimum size (mm)	40 x 20	40 x 20	40 x 40	40 x 40	40 x 23	55 x 200



Packaging Intelligence

Optimize packaging operations with automated printing and industrial coding solutions to minimize waste, drive efficiency, and achieve compliance in any market.

Our packaging intelligence suite maximizes uptime while ensuring your packaging and industrial coding are accurate and traceable.

Our industrial coding solutions help you reduce errors and optimize operations whether you want to improve a single line or factories worldwide. Continually improve your line efficiency and profitability with our automated solutions for message design, data management, packaging, coding verification, and line control.

- Manage complex messages and package layouts
- Eliminate incorrectly coded and packaged products
- Maximize uptime and overall equipment effectiveness (OEE)
- The Packaging Intelligence solutions are fully compatible with all Markem-Image printer technologies for seamless implementation and operation.



Line Control & KPIs
Optimize printer performance and overall equipment effectiveness



Verification
Ensure high-quality packaging and accurate codes



OEE
Operations with actionable information



Pallet Track
On-premises, inventory traceability and end-of-line



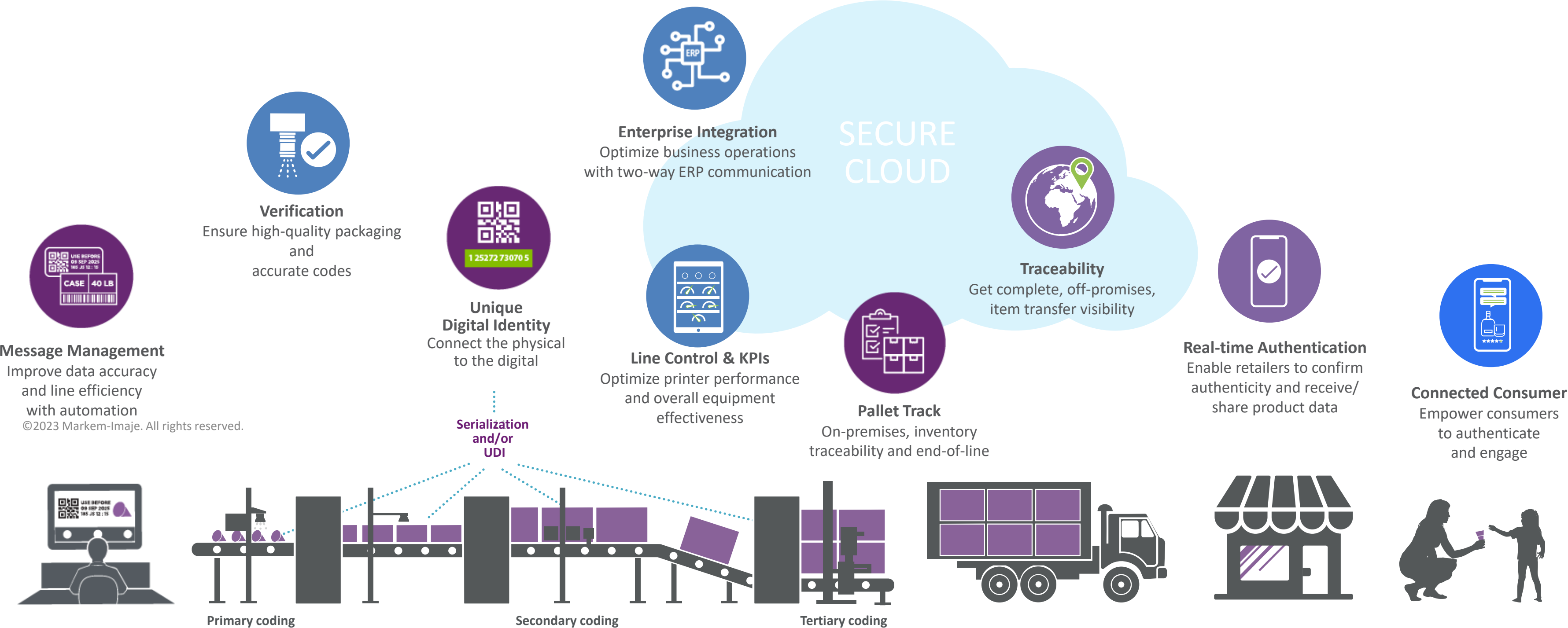
PLC / SCADA



Intelligence, beyond the mark.

From the code to the connected product

- CoLOS® by Markem-Imaje
- Powered by Systech
- Powered by Blue Bite



Reduce Waste | Drive Efficiency | Achieve Compliance | Detect Threats | Engage Consumers | Gain Insight



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