

# About Markem-Imaje

Markem-Imaje is a wholly owned subsidiary of the US based Dover Corporation and a trusted world manufacturer of product identification and traceability solutions. We offer a range of market-leading inkjet, thermal transfer, laser and print and apply systems along with the software and consumable solutions to go with them so you can streamline all your printing needs from one supplier. We provide a global reach to over 50,000 customers worldwide.

With decades of technical experience in hardware and software implementation and the most extensive global network coverage in the industry we can meet your needs, however big or small. Plus, with our extensive and ongoing research, development and testing activities you can be assured of using a world-class solution that is at the forefront of technology.



## Enable your digital supply chain

By making your packaging smarter  
with Packaging Intelligence solutions

We reserve the right to amend the design and/or specifications of our products without notice.  
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# You speak, we listen

“Any new solutions and services for our production lines need to unburden us and make things easier.”  
Plant Manager



“I want to reduce complexity and risk by managing fewer vendors over more locations and thus increase control and cost efficiency.”  
Purchasing Manager



“We need to break our automation silos by synchronizing all our systems in order to build a complete and robust solution.”  
Production Manager



“I need to improve traceability while simplifying my complex supply chain.”  
Logistics & Supply Chain Manager



# Digitalize your packaging operations the easy way



Whether you are an entrepreneur or large multinational, you want to optimize your operations to maximize profitability in a safe, sustainable way which increases customer satisfaction and complies with legislation.

Today's digital revolution makes this possible in truly transformative ways but requires that communication across the value chain be efficient, timely and accurate. This means a shift away from buying rigid, stand-alone components to pursuing scalable end-to-end solutions which are seamlessly integrated.

With change, however, comes risk and disruption.

Inherently attentive to your needs, we created **Packaging Intelligence** solutions to ensure your products at unit, case or pallet levels provide the right data to the right place at the right time with the least hassle and risk.

From data control to full pallet tracking, our **Packaging Intelligence** solutions combine our proven expertise to deliver advanced technologies and maximize packaging line efficiency, helping create a smarter business through a holistic approach and the right integration strategy.

Together with you, we enable your digital supply chain – today and tomorrow.



### Trouble-free integration

End-to-end project management and consulting to deliver compliant, customized solutions which are seamlessly integrated to optimize operations



### Industry's most comprehensive portfolio

Market-leading product identification hardware, software and consumables for all three packaging levels: unit, case and pallet



### Cost control and compliance

100% compliance with regulations and overall packaging running cost reduction of up to 15%, thanks to CoLOS® information system



### Proven expertise

Operational experience serving 50,000 customers and committed, qualified personnel who have worked across many industries



### Continuous innovation

Track record of bringing world-class products to market through a team of 250 research and development engineers, scientists and technicians



### Unparalleled global support

850 service support staff worldwide spread across 30 operations, as well as 700 service distribution partners

# We tailor each solution to best meet your digital packaging needs and resources



The main goal for companies of all sizes is to optimize operations and many see automation and digitalization as the best, most cost-effective ways of achieving this improved performance, reliability, sustainability and efficiency.

That said, their specific priorities – and the extent to which digitalization is involved – vary considerably.

That is why customization is key to our **Packaging Intelligence** solutions offering.


Whether you need to improve a single factory or many worldwide, for some or all of your lines, we will tailor a plan to suit your precise objectives and timeline. We can even help you finance it without tying up your capital.


The bedrock of our solutions is CoLOS, the market's leading information management system. With over 17,000 installations, it is proven to reduce waste from coding errors and increase line efficiency at all packaging levels, while protecting brand value by ensuring printing compliance and improving traceability.


Drawing from our extensive experience and industry-leading technologies, to CoLOS we will add and integrate the right combination of hardware and software applications to enable your digital supply chain in the best way possible.

We will also ensure these optimization projects run smoothly, quickly and cost-effectively.


The seamlessly interconnected solution we create will ensure you enjoy both added value and efficiency while making your business smarter and more sustainable.


 **Need to improve your data accuracy and line efficiency?**

 **Need to minimize rework and scrap from coding errors?**

 **Need to avoid waste from packaging material mistakes?**

 **Need a way to support more digital marketing campaigns?**

 **Need to track pallets seamlessly?**

 **Need to rely on unique product fingerprints?**

**Line & Data Management solution**

- Provides seamless manual and automated data and information processing, marking and coding for improved efficiency of your entire production line or packaging operations. Includes full integration of third-party systems: ERP (Enterprise Resource Planning), MES (Manufacturing Execution Systems), WMS (Warehouse Management Systems).

**Coding Integrity solution**

- Identifies any potential product coding errors in real time, instead of at the end of the production run, so you can take action before too many products have been incorrectly marked.

**Packaging Integrity solution**

- Confirms that printed product, packaging and logistics data are consistent and reliable, ensuring you use the right pre-printed packaging.

**Promotional Coding solution**

- Makes it easier to use packaging as a vehicle to run 'always on' promotions by removing need for costly real-time controllers and hardware which have historically limited such campaigns to a few production lines, or involved purchasing pre-printed materials. With this solution, unique codes are printed on demand, even at high speeds.

**Pallet Tracking solution**

- Automates pallet labeling processes and establishes unique, fully GS1-compliant pallet identities, enhancing your inventory management data in real time and improving traceability in the marketplace.

**Product Tracking solution**

- Creates unique product fingerprints which make single products seamlessly trackable, delivering reliability and safety for distributors, resellers and users. Also enables aggregation of product coding data to entire carton units and the aggregation of the same for multiple cartons on pallets, so you can scan and track output at every packaging level.

## A methodology designed to deliver a seamlessly interconnected solution

To create better value and profitability through digitalization, you need the most effective and efficient technologies and software.

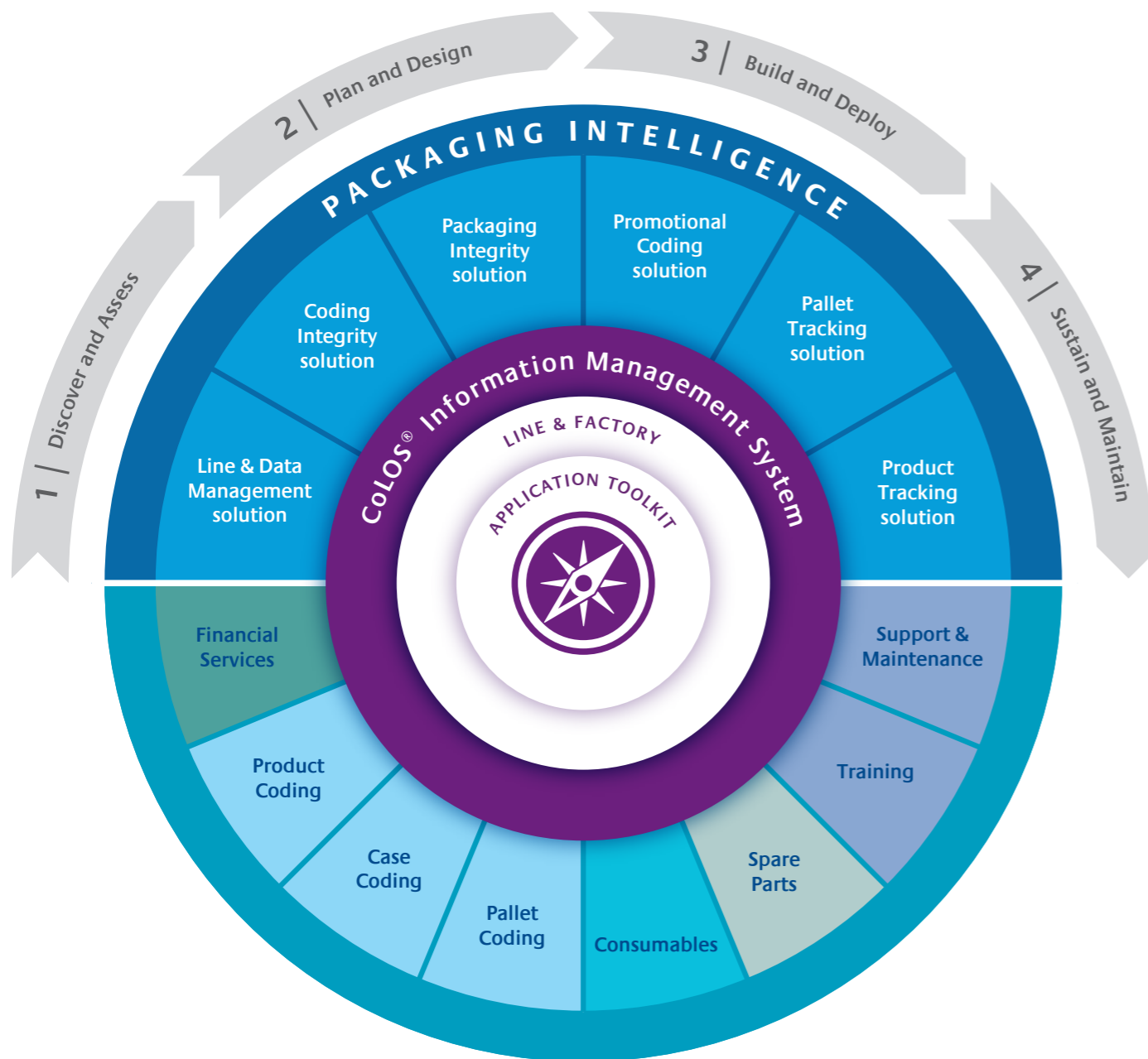
Markem-Imaje is not reliant on third-party vendors. We have the industry's most comprehensive range of market-leading solutions covering the entire production line from product units, to cases to pallets.

Because we make the software and printers ourselves, working with us means you will have fewer integration and operational issues than when using a patchwork of products and systems from many different vendors.

To make things even more trouble-free for you, our **Consulting and Integration Services** team can handle all aspects of solution implementation from initial needs discovery, through implementation, to in-service support.

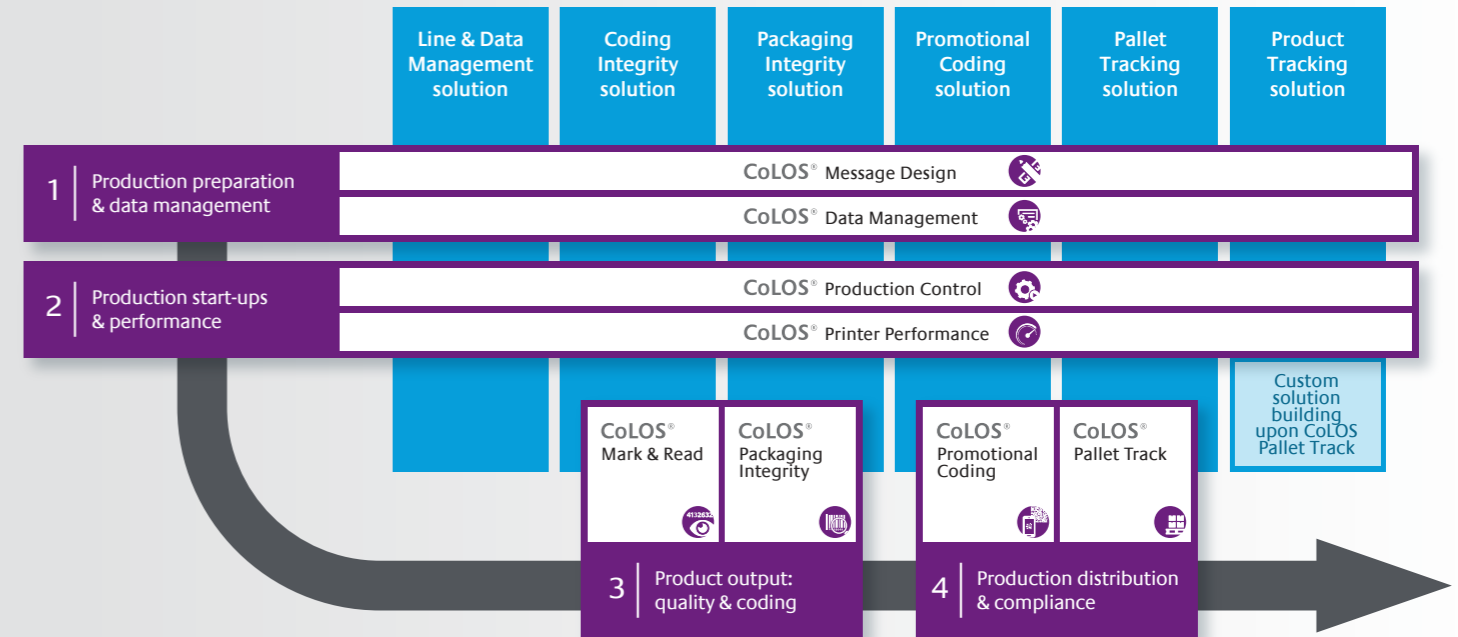
We can oversee the most advanced solution of your choice, tailored for every production and packaging line need.

Additionally, our standard project methodology allows us to achieve rapid, predictable, repeatable and successful solution implementations – ensuring you can design once and deploy many times.



## Efficient integration facilitated through CoLOS®

The automation CoLOS provides across our **Packaging Intelligence** solutions has the ability to cut manual data entry and message data maintenance by 90%, while potentially halving changeover time between product runs, saving hundreds of hours of downtime per year. Recalls are also more easily managed.



## A perpetually optimized solution

We understand you want to increase your overall value chain performance as efficiently as possible while satisfying new compliance regulations and keeping pace with increasing demands regarding product traceability and product information.

As part of a long-term partnership with you, we will not only pick the best combination of printers and software applications to suit your current needs, we will also adapt these as your requirements evolve over time.

Our proven track record of innovation, coupled with our attentive support and periodic software updates, will ensure that your packaging and coding solutions continue to deliver the best operational efficiency, cost effectiveness, waste reduction, brand enhancement and compliance – both within the factory and downstream.

