

SOLUTIONS GUIDE

Marking and Coding for the Fast-Moving Consumer Goods Industry



Matthews
Marking Systems™

Packaging
TECHNOLOGY TODAY



Reliable marking and coding systems for high-performance production lines and the people who operate them.

A premier innovator in marking and coding

Matthews solutions for product identification, branding and traceability are designed to help our customers increase productivity, reduce waste and improve overall efficiency.

Robust and reliable systems of unmatched quality

Matthews offers a full suite of solutions for packaging applications including high-resolution inkjet, laser, and drop-on-demand valve jet printers, high performance inks and integrated solutions for marking and coding automation.

Service and support to ensure smooth operation

With over 160 years of marking and coding experience, Matthews understands the needs of your business. Our trained sales, technical specialists and field technicians ensure reliable performance from installation throughout the life of the equipment.

Beverage

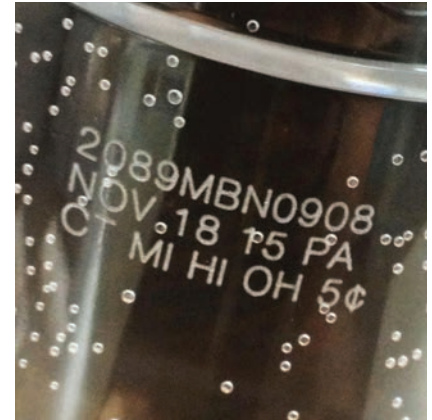
The beverage industry demands reliable, high-speed marking and coding systems. From bottles, cans, glass, plastic or aluminum to tray packs and shipping cases, Matthews has a solution waiting for you. Our high-speed lasers and our inkjet printers, paired with fast-drying inks, are ideal for the demands that the beverage industry requires.

Typical Marking

- + 2D Codes
- + Barcodes
- + Best Before Dates
- + Bottled On Dates
- + Born On Dates
- + Lot Codes

Product Solution

- + MPERIA®
- + Laser
- + VIAjet™ L-Series
- + VIAjet™ T-Series
- + VIAjet™ V-Series



Food

Consumer safety and traceability is critical for food manufacturers selecting a marking and coding solution. Matthews has the printing technology and software that meet the demands retailers have when it comes to accurate and readable codes. Achieve operational efficiency with reliable technology, expertise and service.

Typical Marking

- + Barcodes
- + Product Information
- + Ingredient List
- + Nutritional Information
- + Lot Codes
- + Expiration Dates

Product Solution

- + MPERIA®
- + Laser
- + VIAjet™ L-Series
- + VIAjet™ T-Series
- + VIAjet™ V-Series



Personal and Household Goods

Personal care and household products have a wide variety of packaging materials, sizes and colors. Personal care and household brands are also constantly innovating their packaging and managing multiple SKUs. Handle message creation and multiple SKUs while seamlessly integrating with your ERP systems, all from a single controller, MPERIA®. Matthews has the printing technology, inks and software to handle the demands of this innovative industry.

Typical Marking

- + 2D Codes
- + Barcodes
- + Expiration Dates
- + Lot Codes
- + Product Information

Product Solution

- + MPERIA®
- + Laser
- + VIAjet™ L-Series
- + VIAjet™ T-Series
- + VIAjet™ V-Series





Pharmaceutical

Traceability is a major requirement driving marking and coding needs for the medical and pharmaceutical community. Manufacturers need the ability to quickly and accurately identify all products in the supply chain. Lower the cost and simplify the management of product recalls with legible barcodes and readable date codes. Matthews can help maintain compliance and traceability with its variety of marking and coding products.

Typical Marking

- + 2D Codes
- + Barcodes
- + Expiration Dates
- + Lot Codes
- + Product Information
- + UDI

Product Solution

- + MPERIA®
- + Laser
- + VIAjet™ L-Series



Case Coding

Case coding with high-resolution inkjet printers eliminates the need for pre-printed boxes and labels, helping to reduce inventory, scrap waste and the need for costly labels. With our superior case coding technology, you can print high-quality, accurate, real-time alphanumeric codes, barcodes and graphics. With our unique "stitching" capabilities, print sizes and graphics are limited only by the size of your carton.

Typical Marking

- + Barcodes
- + Expiration Dates
- + Logos
- + Lot Codes
- + Graphics
- + Product Information

Product Solution

- + MPERIA®
- + VIAjet™ L-Series
- + VIAjet™ T-Series
- + VIAjet™ V-Series



MPERIA®

Marking and Coding Automation

The MPERIA® marking and coding automation platform centralizes control of your primary, secondary, and tertiary marking, adapting seamlessly to your environment. MPERIA is the only universal controller on the market that can integrate with third-party equipment, such as printers, vision systems and scales, without the requirement of middleware. Our superior software improves the efficiency of your print operations, reducing downtime and cost, and increasing packaging line productivity. As you grow your business, MPERIA grows with you—whether you are adding equipment to your production line, customizing your messaging or expanding to multiple plant locations, MPERIA's unparalleled performance keeps up with your needs.



VIAjet™ T-Series

High-Resolution Piezo Inkjet

The VIAjet™ T-Series high resolution piezo inkjet printers provide exceptional print resolution and versatility along with unparalleled levels of readability.

- + Self-cleaning printheads recirculate ink, resulting in zero wasted ink
- + Ideal for precise barcodes and graphics with image heights up to 4" (100mm) per printhead
- + Cost-effective alternative to adhesive labels and pre-printed corrugated boxes



VIAjet™ L-Series

High-Resolution Thermal Inkjet

The VIAjet™ L-Series is a high-resolution thermal inkjet printer that prints variable data or simple text and graphics at high speeds up to 1600 feet (488 meters) per minute; nearly twice as fast as other thermal inkjet printers.

- + Cartridge-based ink system, virtually eliminates the need for maintenance and repairs
- + Advanced nozzle design and bulk ink system reduces cost per mark and set up times
- + Cost-effective alternative to adhesive labels

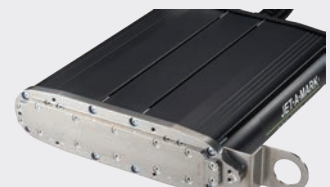


VIAjet™ V-Series

Drop-on-Demand (DOD) Inkjet

The VIAjet™ V-Series is the ideal inkjet marking and coding solution for challenging industrial environments as well as packaging applications.

- + Fastest in the industry, with the longest life cycle—over 8 billion firings per head
- + Suitable for porous and nonporous substrates including metal, paper and pulp, wood, concrete, and plastic
- + Stack printheads for large logos and graphics



PRODUCT SOLUTIONS

e-SolarMark and e-Mark

CO2, Fiber and Diode Lasers

Matthews offers a complete line of CO2, Fiber and Diode lasers, designed to fit a number of packaging applications, and flexible enough to mark in static or continuous mode on a variety of materials. With the longest focal distance in the industry, our lasers can be mounted away from the production line. Laser coding doesn't involve any inks or chemicals, making it a very clean, eco-friendly and cost-efficient method of marking your product.



Inks

Our inks are specially developed for optimal performance, using only the finest raw materials, including dyes, pigments, resins, and solvents. Tell us your marking requirements—adhesion, substrate, drying time, ink color and printing method—and we'll recommend the best ink for your specific application. Your choice of inks is almost limitless.

CUSTOM SOLUTIONS

At Matthews, we understand one size doesn't always fit all. We have a long track record of providing customized solutions for every challenge, big or small. As a true partner, we are skilled at building solutions tailored to your requirements, helping you increase productivity, reduce waste, and improve overall efficiency.

Partner with Matthews and let us put our experience and technical know-how to work for you.



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