



Marking, coding and systems solutions

# Candy and Confectionery



# **We know the unique challenges you face on your production lines**

**From managing many different package types, to coding on small moving targets in an environment with airborne sugar particles, we have developed coding solutions to get the right code, on every product, time after time.**





## Your high quality packaging deserves a high quality code

**Capturing sales on the shelf means making the most of your brand. Brand management teams strive for innovative packaging design and artwork. The last thing they need is poor quality codes that detract from the effect.**

A true printing partner understands the importance of great print quality and achieving your operational goals. With over four decades of experience in your industry, Videojet offers the perfect combination of technology, expertise and service options to be your coding partner of choice.

### **Uptime advantage**

Printing innovation engineered to give you uptime advantage. Supported by the most extensive service network in the industry. High speed production lines won't tolerate unplanned stops.

### **Code Assurance**

With increasing SKU complexity, take advantage of simple onboard tools to help prevent coding errors. Get the right code in the right place, on the right product.

### **Built-in productivity**

The cost of a printer is a fraction of the investment in the overall packaging line. Videojet equipment integrates into your lines and helps enable you to maximize line efficiency and OEE while minimizing total cost of ownership.

### **Simple usability**

No matter what coding technology you are using, your operators will use the same intuitive graphical interface. This means you can spend more time focusing on the most critical aspects of your business.

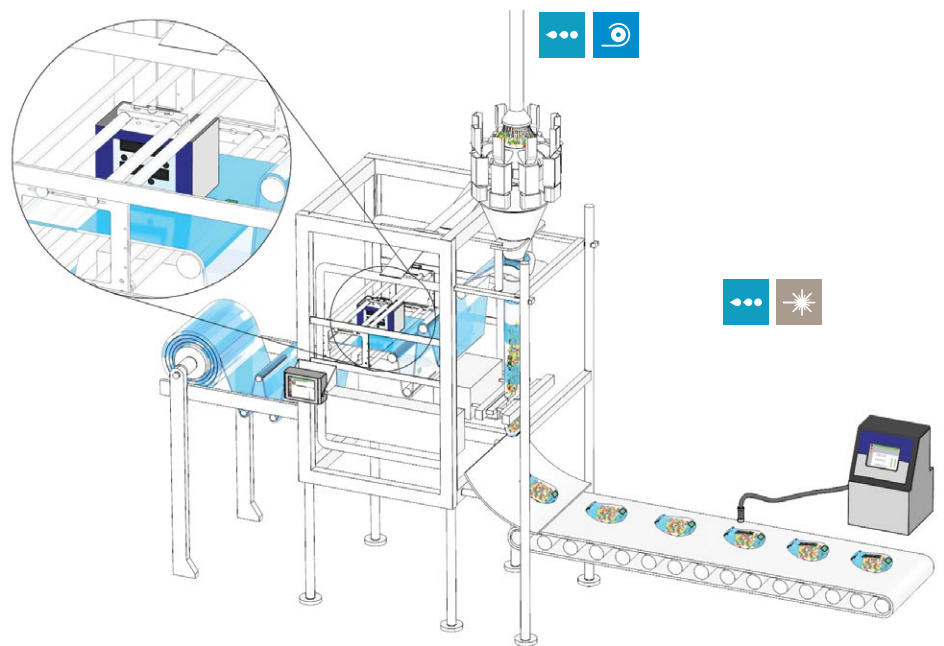
# Expertise for seamless integration

Your production line is only effective if all of its components are working in unison with each other. Though only a relatively small component of your packaging investment, selection of the right coding solution is imperative to your success. With over 40 years of integration experience, we understand the small details of integration.

Integration challenges can be physical, in terms of space and the need for mounting accessories, or software and communications-based. We work closely with OEMs to make sure that your coding solution integrates seamlessly into your lines. In addition, Videojet's service and technical support team help ensure that the installation is done right the first time and provides support throughout the life of the printer.

## Vertical form fill seal (VFFS)

Whether intermittent or continuous motion, Videojet has a range of printers to address the growing complexity of VFFS bags and pouches. Packaging features, like zippers and gussets, and the type of VFFS line require a thoughtful selection of the right coding technology.



### Laser Marking Systems

Beam of infrared light that creates marks where the heat of the beam contacts with the package surface



### Thermal Inkjet (TIJ)

Ink-based non-contact printing that is generally used to print 2D DataMatrix and other bar codes



### Continuous Inkjet (CIJ)

Ink-based printing of up to five lines of text and 2D bar codes on a variety of packaging types, including stationary packaging via traversing systems



### Thermal Transfer Overprinting (TTO)

A digitally controlled printhead precisely melts ink from a ribbon directly onto flexible films to provide high resolution, real-time prints



### Large Character Marking (LCM)

Ink-based, non-contact printing of tall codes, including alphanumeric logos, and bar codes in large sizes primarily for cases



### Label Printer Applicator (LPA)

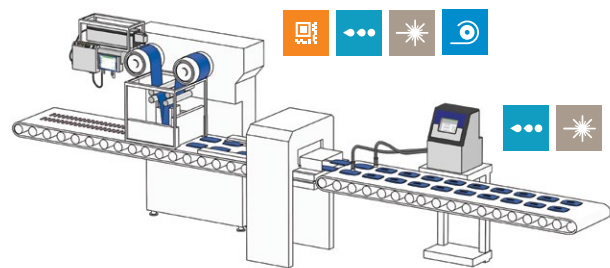
Prints and places labels of various sizes on multiple package types

## Coding technologies for your packaging type:

Packaging type	CIJ	TIJ	Laser	TTO	LPA	LCM
Flow wraps	✓	✓	✓	✓		
Paperboard boxes	✓	✓	✓			✓
Bags	✓			✓		
Pouches	✓		✓	✓		
Speciality packages	✓		✓			
Cases		✓	✓		✓	✓

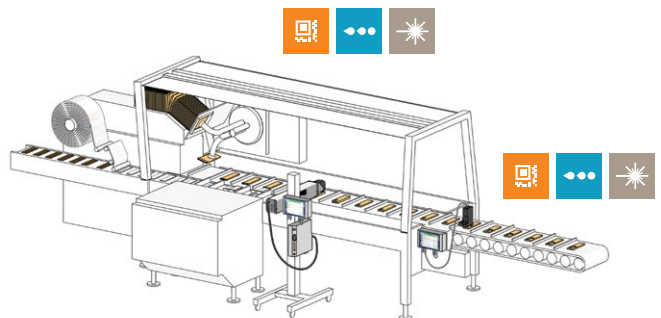
## Flow wrapper

Videojet has several solutions for flow wrapping applications regardless of your line speeds. Although coding downstream of the flow wrapper is possible, the highest quality codes are typically obtained by coding on the film prior to packaging.



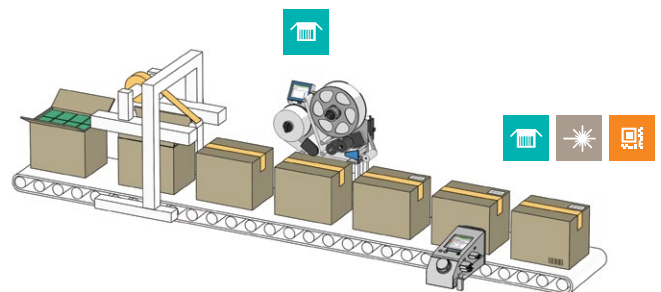
## Cartoner

Several printing options can serve in this application and can be integrated with the machine or immediately downstream in the out-feed. The optimal installation location will depend upon the size constraints of both the cartoner and the preferred coding technology.



## Case packer and sealer

Case printers are best integrated on your conveyor after the sealed case has been discharged. The type and amount of information you want to print on your cases determines which coding solution is ideal for you.



## Flow wraps

# Keep pace with flow wrapping technology

Packaging equipment innovation is increasing flow-wrapping speeds. Take advantage of this high throughput/enhanced profitability capability with Videojet. We're matching our innovation with coding options that ensure your entire message appears clearly, in the right product space, and keeps your line at peak performance.



### Thermal Inkjet (TIJ)

- Ideal for high resolution text, bar codes and graphics on glossy film and foils
- Print more and faster with a 12.7mm tall array and linear speed of up to 100 meters per minute



### Thermal Transfer Overprinting (TTO)

- Produces high resolution codes on flexible film without solvents
- Ideal for printing dates, logos, bar codes, nutrition facts, other product information and graphics



### Continuous Inkjet (CIJ)

- Meets the needs of high speed flow wrapping applications, coding either before or after the product has been packaged
- Smart Cartridge™ fluid system virtually eliminates waste, mess and mistakes



### Laser Marking Systems

- No inks or fluids required, thereby eliminating the potential of ink affecting product integrity
- Ideal for pre-printed polypropylene films, large marking fields help optimize power settings and avoid burn through



## Paperboard boxes

# Coding to represent high quality

Carton coding technology selection is based on unique business needs. You need to consider code appearance and durability, printer maintenance and even consumables. Integration is another critical consideration, especially with cartoners. Direct integration of coding with the cartoner, rather than on the 'out-feed conveyor', creates super consistent codes through more precise material handling and, by using existing guards, reduced costs.



## Laser Marking Systems

- Ideal for crisp, clear and permanent coding with limited consumables
- Comprehensive portfolio of laser accessories including lenses and beam turning units to simplify line integration and maximize laser performance

## Large Character Marking (LCM)

- Good solution to code on shelf-ready package. Reduce inventory by printing on demand
- Consistent code quality by using automatic micropurge and pressure regulation systems

## Continuous Inkjet (CIJ)

- Specialty inks that can create contrast and are ideal for use on virtually all carton materials, including aqueous overcoats and other varnishes
- Smart Cartridge™ fluid delivery system means virtually no mess, no waste, and no mistake fluids replenishment

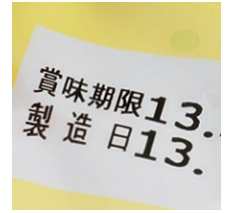
## Thermal Inkjet (TIJ)

- Creates complex, detailed messages, bar codes and 2D codes, ideal for retail ready packaging
- Compact design for easy integration into your line and flexible communication choices for ease-of-use

## Bags

# Get more from your printer

Managing multiple pre-printed films for multiple products running on the same lines can be cumbersome and costly. TTO gives you the capability to print product information during packaging, enabling you to limit pre-printed film variations. TTO can print high resolution logos, bar codes and product information, giving you the ultimate in flexibility and efficiency.



## Minimizing code errors on your line

With codes that are very similar in format to each other and a risk of allergens, coding errors are a problem for candy and confectionery companies and have a real cost. Up to 70% of coding errors are caused by operator error.

To address this issue, it is ideal to remove the human element altogether from code selection. Our advanced software minimizes and mistake-proofs operator inputs to the coding and marking process to help eliminate errors.



### Thermal Transfer Overprinting (TTO)

- Produces high resolution codes (300 dots per inch/12 dots per mm) on flexible film with no solvents
- Patented clutchless ribbon drive minimizes maintenance-related downtime and maximizes ribbon efficiency



### Continuous Inkjet (CIJ)

- Ideal for frequent changeovers with easy-to-use interactive touchscreen. Able to edit codes at the printer for quick changes
- CleanFlow™ printhead reduces frequency of printhead cleanings, helping to maximize uptime



## Pouches

# Solutions for a wide variety of pouches



Make sure your coding doesn't detract from your great package styling by considering coding during the design process, then choose the optimal coding technology for your specialized package.



## All the printing speed without the smell

Certain confections, like chocolate, are susceptible to odor absorption and therefore require special care. A coding technology can be perfect for your line speeds and required ink quick drying times, but if the ink has a strong solvent base and is not ideal for products sensitive to environmental odors, then there is potential risk to product quality.

With a wide range of coding solutions – including CIJ with near-odorless inks, TIJ with minimal MEK usage, and laser marking systems with zero fluid usage, we have solutions that are ideal for your application.



### Thermal Transfer Overprinting (TTO)

- Added value coding enables you to use generic film and print the product name, best by, and nutritional facts on demand
- Integrates directly into the line and prints on the film prior to packaging the product



### Continuous Inkjet (CIJ)

- Particularly useful for more complicated applications such as preformed pouches and bags with very thick resealable zippers
- Code changes are simple through a user-friendly message creation interface or connection to networking software



### Laser Marking Systems

- Create clear, consistent, permanent codes with limited consumables
- Ideal for pre-printed polypropylene films as the laser can remove the ink without damaging the film
- Fume extraction systems help keep the environment and marking lens clean

## Specialty packages

# Code on almost anything

Due to their shape, use, and dispensing method, many candy and confectionery packages, specially the ones targeted to kids, come in a variety of specialized containers. In fact, your package design often differentiates your products and can be integral to your success.



## Ink selection is as important as finding your ideal coding technology

Producing a high quality code goes beyond printer selection. Inks and fluids are a critical piece to identifying the ideal solution for your application. Specific sweets applications needs such as high contrast codes, difficult-to-code substrates, and rust-proof coatings can require different inks.

With an expert team of ink chemists and a portfolio of hundreds of different inks, Videojet can help you find the right ink for your needs.



### Thermal Transfer Overprinting (TTO)

- Prints on label and shrink wrap prior to application
- Ideal for dark packaging when a contrasting code is required
- Many different ribbon colors available

### Continuous Inkjet (CIJ)

- Versatile coding solutions for almost any package material, size or color
- Broadest portfolio in the industry at over 175 ink offerings including odorless and non-MEK inks
- Easy integration onto your line for printing on the shoulder, top or bottom of a wide variety of substrates

### Laser Marking Systems

- 3350 Laser Marking System with Smart Focus marking head is easily adjusted for varying package sizes
- Scribing technology and large marking fields provide excellent code quality
- Fiber laser marking system is able to code on metal surfaces

## Cases

# Empower your supply chain and reduce costs

Printing lot, batch and supplier-specific information on your cases creates a traceability point that is visible to your warehouse, wholesaler and retailer. This information provides vital product information, allows for rapid identification and helps to move your product quickly through your supply chain. In addition, printing this information directly on the case helps reduce pre-printed case related costs by using generic cases and printing different trading partner's information on demand.



## Laser Marking Systems

- Permanent, durable marks and codes
- Can print over large print area with a wide range of lenses
- Fast marking speeds

## Large Character Marking (LCM)

- Eliminates the cost, storage and management of labels and need for customer-specific pre-printed cases
- Solution with patented micropurge process purges ink in programmable intervals to help keep the printhead free of debris for best print quality

## Label Printer Applicator (LPA)

- Automatic application of high quality printed labels, designed for ease of use and low maintenance
- Direct Apply labeling increases performance with on-demand label application up to 150 packs per minute (typical 4"x6" label)

## Thermal Inkjet (TIJ)

- High resolution, ink-based printing with no wear parts, minimizing maintenance and related downtime
- Videojet's ideal for non-porous substrates, MEK-based inks help ensure good code recovery even after line interruptions



# Videojet solutions

## Accurate, reliable and cost effective printing

Coding in the candy and confectionery industry is not necessarily straightforward. Given the high production volumes and short shelf-life of many confectionery products, your lines require fast, accurate and reliable coding. Videojet printing solutions maximize production and business benefits through increased uptime, simplified operations and improved flexibility. With a robust offering of varying technologies, Videojet can meet these challenges with an array of cost-effective and high uptime solutions.

### Continuous Inkjet (CIJ)

Most versatile of all variable technologies, combined with a portfolio of over 175 inks, CIJ prints on nearly any material and shape.



### Laser Marking Systems

Improve the contrast and readability of your codes by permanently etching the material surface without physical contact or any need for solvents or extra supplies.



### Thermal Inkjet (TIJ)

Ideal for high quality text and bar codes on boxes, cartons, and cases ensuring that even complex and detailed codes are clearly readable for your downstream partners and consumers.



### Thermal Transfer Overprinting (TTO)

Perfect for your flexible packaging applications, TTO gives you high quality codes and images, from date and time to DataMatrix codes and logos in a variety of colors.



### Large Character Marking (LCM)

Eliminate pre-printed boxes and labels by printing your supply chain information directly to case, saving time and reducing costs.



### Label Print Applicator (LPA)

When your customers require labels or you are using darker corrugated cases, LPA automatically applies labels to cases to help ensure high accuracy across a range of substrates.



Service, supplies and accessories

# Customized solutions for your application

Every coding application is different. That is why we offer you one of the most comprehensive selections of service, supplies and accessories to customize a solution for your unique operations.

With the broadest portfolio of CIJ inks and the industry's leading team of ink application chemists, Videojet has spent over 45 years developing specialty formulations that are ideal for your candy and confectionery applications.

We work directly with major OEMs and have a wide range of customized accessories for all printing technologies to seamlessly integrate our printers into your production lines.



## Specially developed inks and fluids

- Videojet manufactures hundreds of application-unique fluids – more inks than any other industrial coding and marking manufacturer
- both dark and pigmented inks can enable contrast on almost all package colors
- customized accessories for almost any application



## Brand protection and Code Assurance software

- specialized software works with coding equipment to help you address counterfeiting and diversion in your supply chain
- automate message creation and job selection processes to proactively prevent code errors through Code Assurance software

## Service

Videojet offers global service and support with over 800 direct service and technical support resources in 24 countries and factory certified distributor support in 100 additional countries.

- Onsite installation, commissioning and operational support
- 24 X 7 help desk / technical support operations in 16 countries
- Global average onsite response time of less than 24 hours anytime of day

Service offerings can be configured to your unique needs from operator maintenance training or time material service to specialized service contracts offering part replacement, preventative maintenance and supplies.

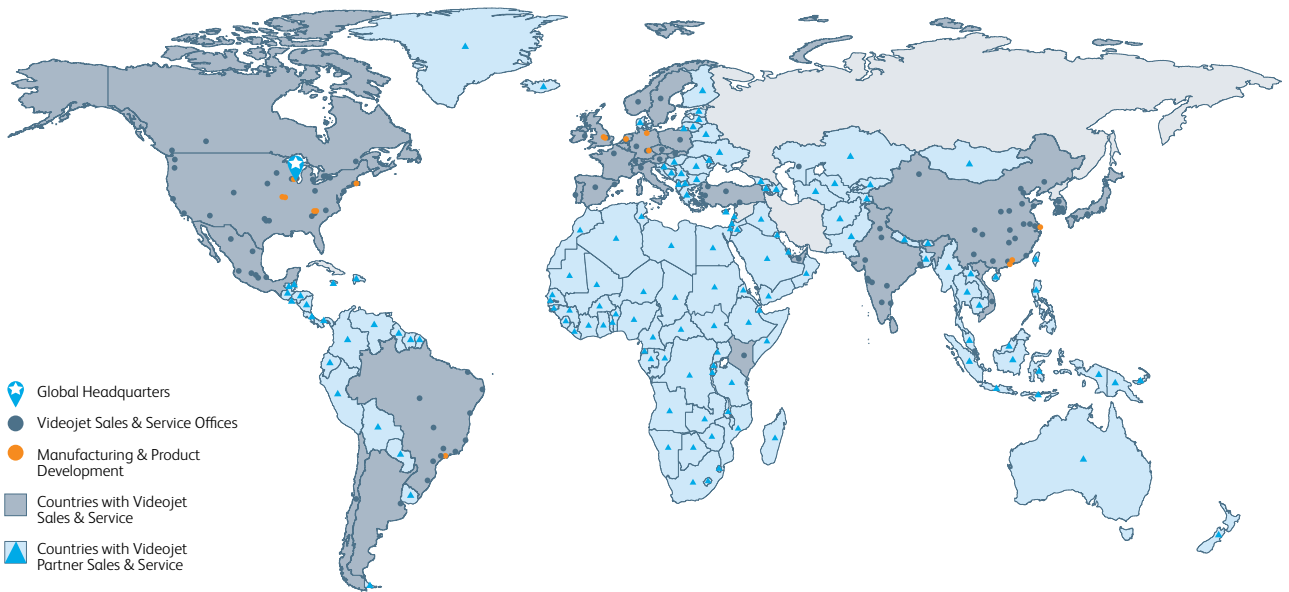


# Peace of mind comes as standard

Videojet Technologies is a world-leader in the product identification market, providing in-line printing, coding, and marking products, application specific fluids, and product LifeCycle Advantage™.

Our goal is to partner with our customers in the consumer packaged goods, pharmaceutical, and industrial goods industries to improve their productivity, to protect and grow their brands, and to stay ahead of industry trends and regulations. With our customer application experts and technology leadership in Continuous Inkjet (CIJ), Thermal Inkjet (TIJ), Laser Marking, Thermal Transfer Overprinting (TTO), case coding and labeling, and wide array printing, Videojet has more than 400,000 printers installed worldwide.

Our customers rely on Videojet products to print on over ten billion products daily. Customer sales, application, service and training support is provided by direct operations with over 4,000 team members in 26 countries worldwide. In addition, Videojet's distribution network includes more than 400 distributors and OEMs, serving 135 countries..



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