



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.

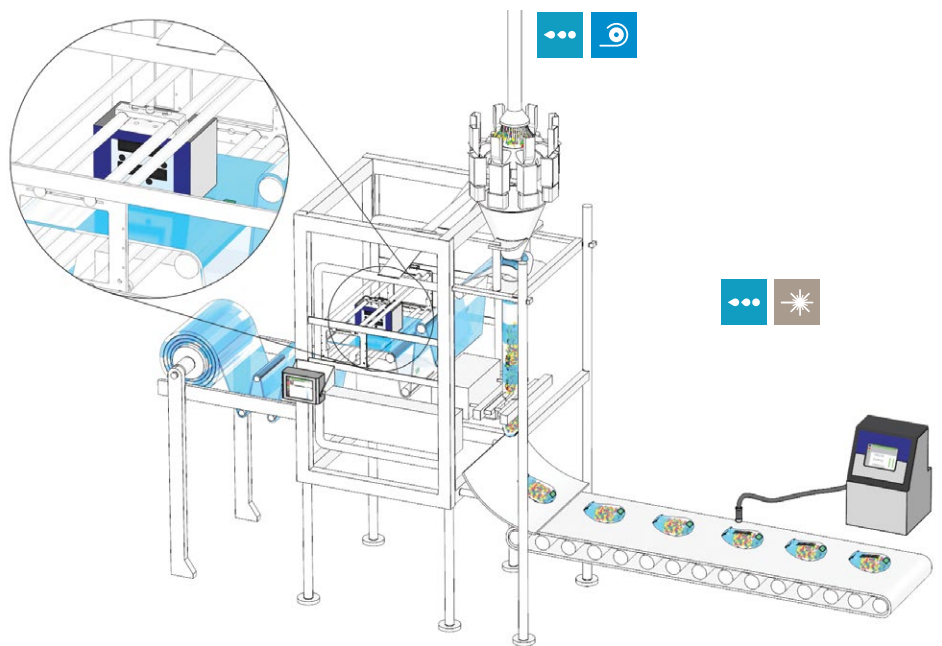
# Expertise for seamless integration

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 Ink Jet (TIJ)

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



### Continuous Ink Jet (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)

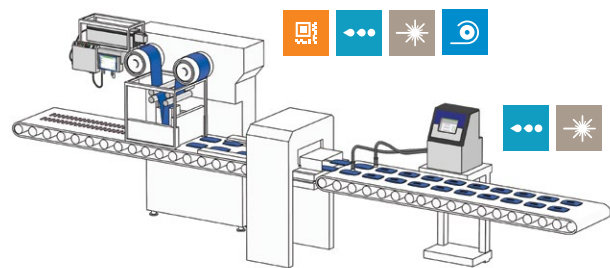
Prints and places labels of various sizes on multiple package types

## Coding technologies for your packaging type:

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

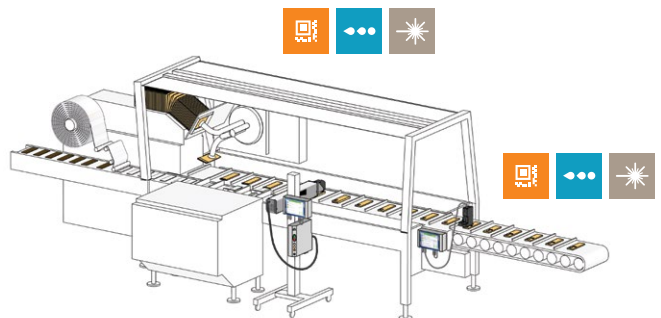
## Flow wrapper

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.



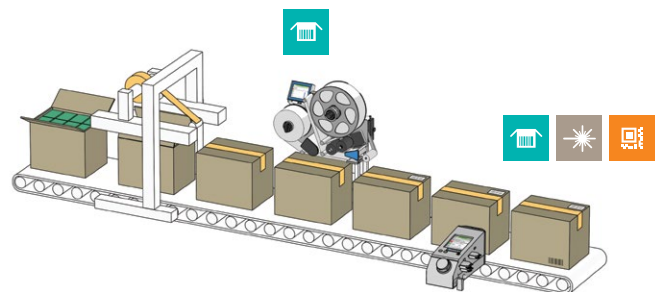
## Cartoner

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


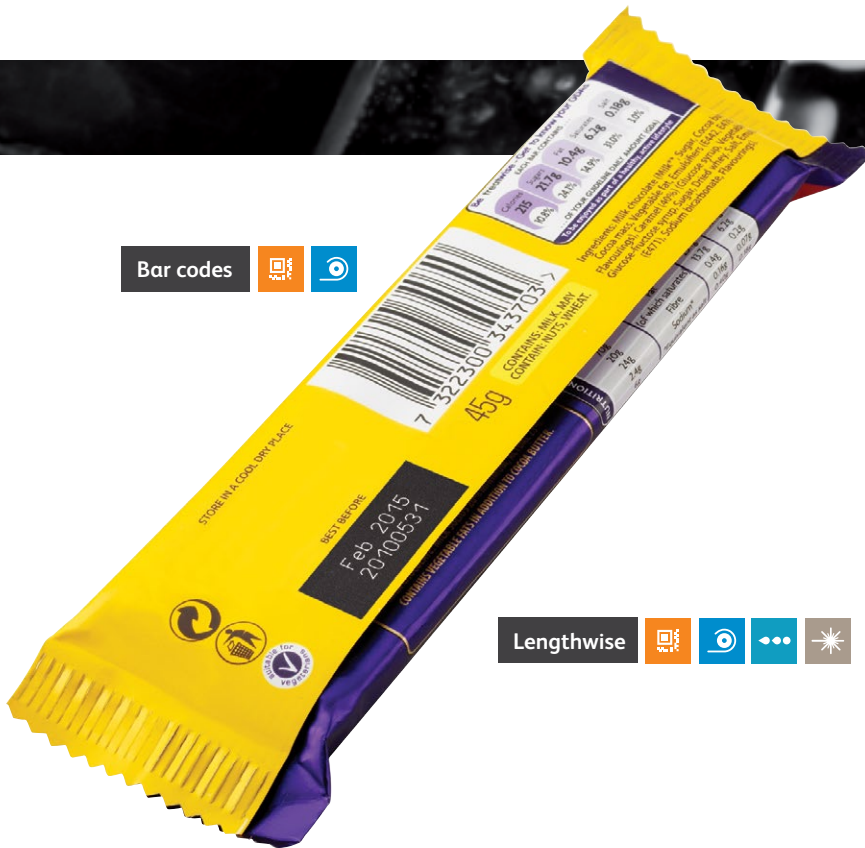
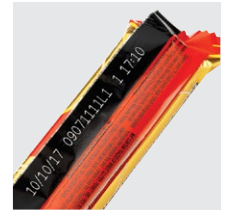
Case printers are best integrated on your conveyor after the sealed case has been discharged. The type and amount of information you want to print on your cases determines which coding solution is ideal for you.



## 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 Ink Jet (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 Ink Jet (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.



Direct to paperboard



## 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 Ink Jet (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



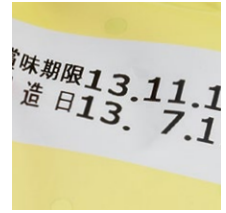
## Thermal Ink Jet (TIJ)

- 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.



Widthwise 

Lengthwise  

## 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 Ink Jet (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, TII with minimal MEK usage, and laser marking systems with zero fluid usage, we have solutions that are ideal for your application.



Standard code



Product information



### 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 Ink Jet (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

- Creates clear codes. Ideal for pre-printed polypropylene films or a reverse printed DataLase® (a contrast enhancer) patch between two layers of a multi-laminated film
- Videojet fume extraction systems help keep the production 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 over 340 different inks, Videojet can help you find the right ink for your needs.



Direct to package



Direct to label



### 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 Ink Jet (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

- Mobile 3020 Laser Marking System 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

- A DataLase® (a contrast enhancer) coated case marked with a laser will produce a dark black and extremely high resolution print
- Especially useful for water-resistant coated boxes, as it enables clear, dark printing without damage to the protective coating

## 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 Ink Jet (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

# Global Service offering

Broad service offering built with **you in mind**



## Start-up

The perfect introduction to peace of mind, ensuring a smooth transition during the adoption of new printers

## Preventive

While your team focuses on production, our technicians safeguard your equipment with regular maintenance visits

## Protective

For a team capable of general maintenance, take advantage of break & fix coverage plus wear parts replacement

## Comprehensive

Let us take care of everything and enjoy 100% coverage to proactively optimize printer performance

	Start-up	Preventive	Protective	Comprehensive
24/7 technical phone support	●	●	●	●
Preventive maintenance	●	●		●
Break-fix coverage	●		●	●
Wear parts replacement			●	●
Priority service	●		●	●
Basic operator training	●			●
Consultative services and application support	●			●
Optional equipment leasing available			●	●

Further details of all Service Products can be found in our product specification sheets and any professional quotation supplied by Videojet.

## You will benefit from:

### Performance advantage

Properly maintained printers experience less downtime, last longer, and increase operator productivity. Rely on Videojet certified service technicians to maintain your coding equipment in peak operating condition.

### Financial advantage

Service costs are predictable, protecting your budgets from expensive equipment failures while locking future services at current prices.

### Service advantage

Customers get fast, prioritized, high-quality service from Videojet technicians. With the largest field service team in the industry, our trained experts are well positioned to respond quickly to your needs.

# Technical Training

Training programs designed to improve productivity and eliminate coding errors



	User instruction	Advanced operator	Basic maintenance	Advanced maintenance
Basic operation	●	●	●	●
Application specific operation		●	●	●
Basic repairs			●	●
Preventive maintenance			●	●
Advanced repair & printing theory				●
Duration	2 hours	4 hours	1 day	2-3 days*

## What you can expect from our training:

### Your choice of location

Technical training can be delivered both at your facility or at a Videojet Training Center. Training at your facility will bring instant customization for your printing applications and environment. Training at a Videojet Training Center will enable your employees to minimize distractions and remain focused on learning.

### Customization for your team and schedule

Based on technical capability and interaction with the printers, students will receive instructions customized for their job and their needs. Multi-shift and multi-technology options are also available.

### Focus on your operational challenges

Both trouble-shooting techniques and maintenance best practices covered in maintenance training will help your team to quickly return the printer to production when issues are encountered, and maximize uptime in the long term.

### Dedicated training professionals

Videojet Maintenance Training is developed and delivered by a group of certified full-time Videojet training professionals with in-depth technical expertise, extensive operational knowledge and versatile teaching techniques.

### Technical capability building

Students will gain 'hands-on' experience in identifying, analyzing and addressing technical issues in an operational environment. An evaluation will take place to measure training effectiveness and knowledge transfer to enable your management team to assess your maintenance staff's level of competence.

**Videojet will provide everything you need - manuals, parts, tools, and even dedicated training equipment upon request to minimize the impact on your production.**

\* Duration of Advanced Maintenance Course dependent upon technology

# Videojet solutions

## Accurate, reliable and cost effective printing

Coding in the candy and confectionery industry is not necessarily straightforward. Airborn sugar, grease, and dust can lead to poor quality printing. Also, new products, flavors, promotions and bag sizes increase the potential for costly coding errors. Additional factors such as uptime, flexibility, line efficiency and total cost of ownership are important to help protect the profitability of the operation. With the broadest technology offering in the industry, Videojet meets these challenges with an array of cost effective, high uptime and flexible solutions.

### Continuous Ink Jet (CIJ)

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



### Laser Marking Systems

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



### Thermal Ink Jet (TIJ)

Ideal for high quality text and bar codes on foils, 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, time and ingredients to allergy warnings and logos in a variety of colors.



### Large Character Marking (LCM)

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



### Label Print Applicator (LPA)

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

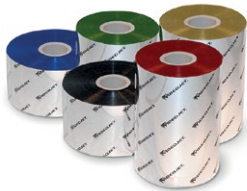


# Supplies and accessories

## Customized solutions for your application

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

With a wide range of ribbons, inks and fluids, Videojet has spent over 40 years developing specialty consumables that are ideal for your confectionery applications. In addition, 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.



### Supplies

#### Specially developed inks and fluids

Videojet employs strict manufacturing quality control processes for our consumables to deliver the best possible printer and code performance. With over 15 types of ribbon, 640 application-unique fluids, and the help of our technical support team, we are sure to have your ideal solution.



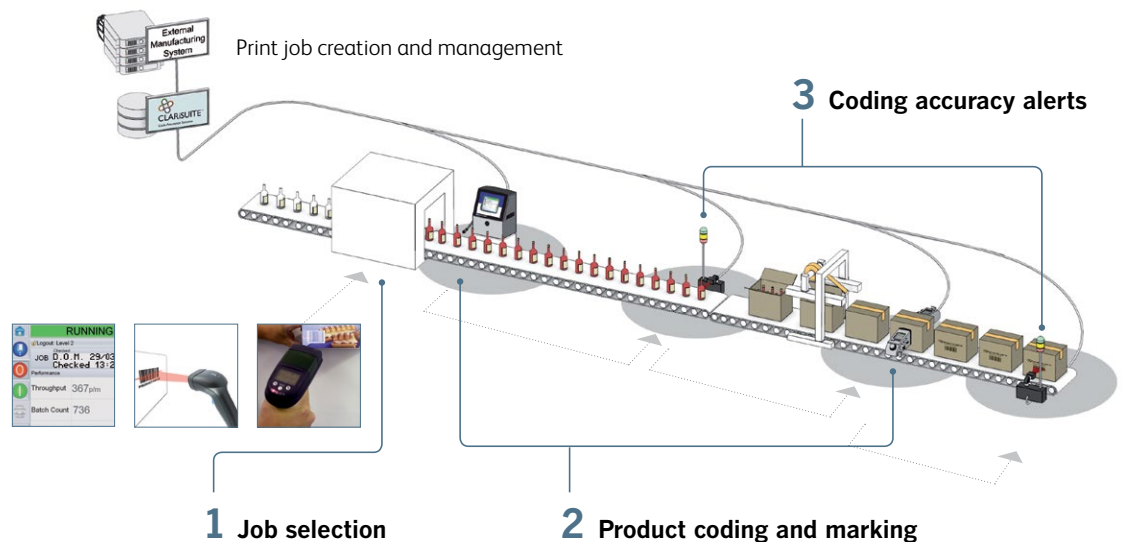
### Accessories

#### Configurable accessories

From customized stainless steel brackets and rubber rollers to fume extractors and beam turning units, Videojet has the accessories for a worry-free installation to help ensure the optimal performance of your line.

### Software

Increase availability and quality by taking print job creation and management off the production floor.

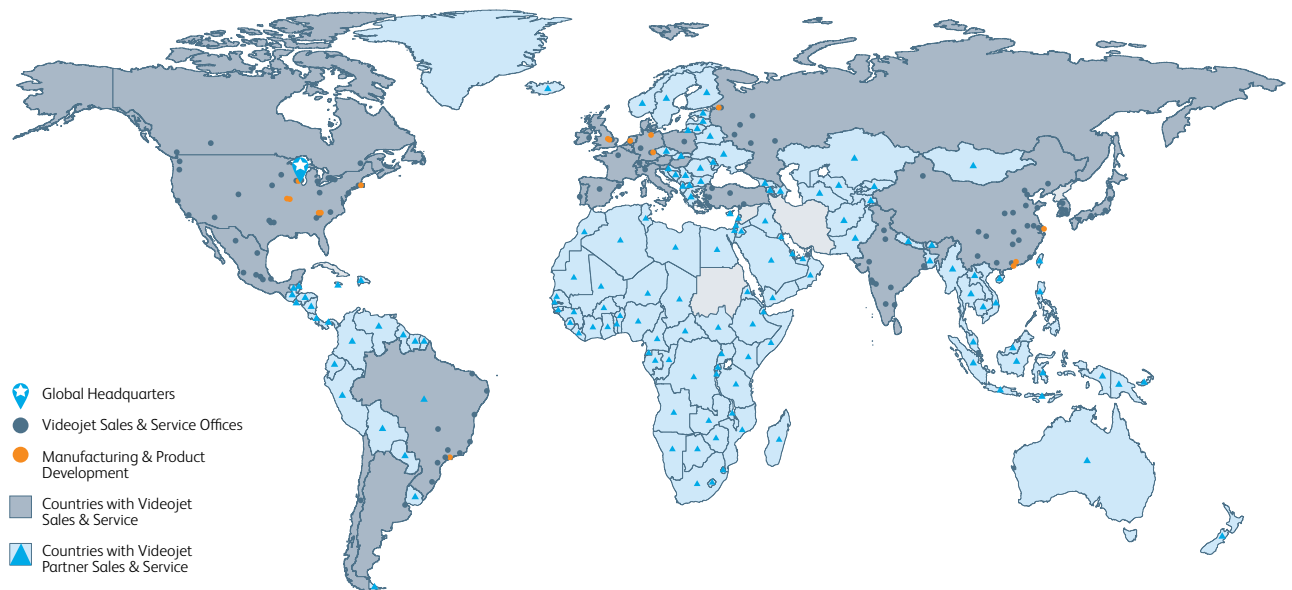


# Peace of mind comes as standard

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

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 Ink Jet (CIJ), Thermal Ink Jet (TIJ), Laser Marking, Thermal Transfer Overprinting (TTO), case coding and labeling, and wide array printing, Videojet has more than 325,000 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 3,000 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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Part No. SL000593  
Candy and Confectionery Brochure-0414  
Printed in U.S.A.

