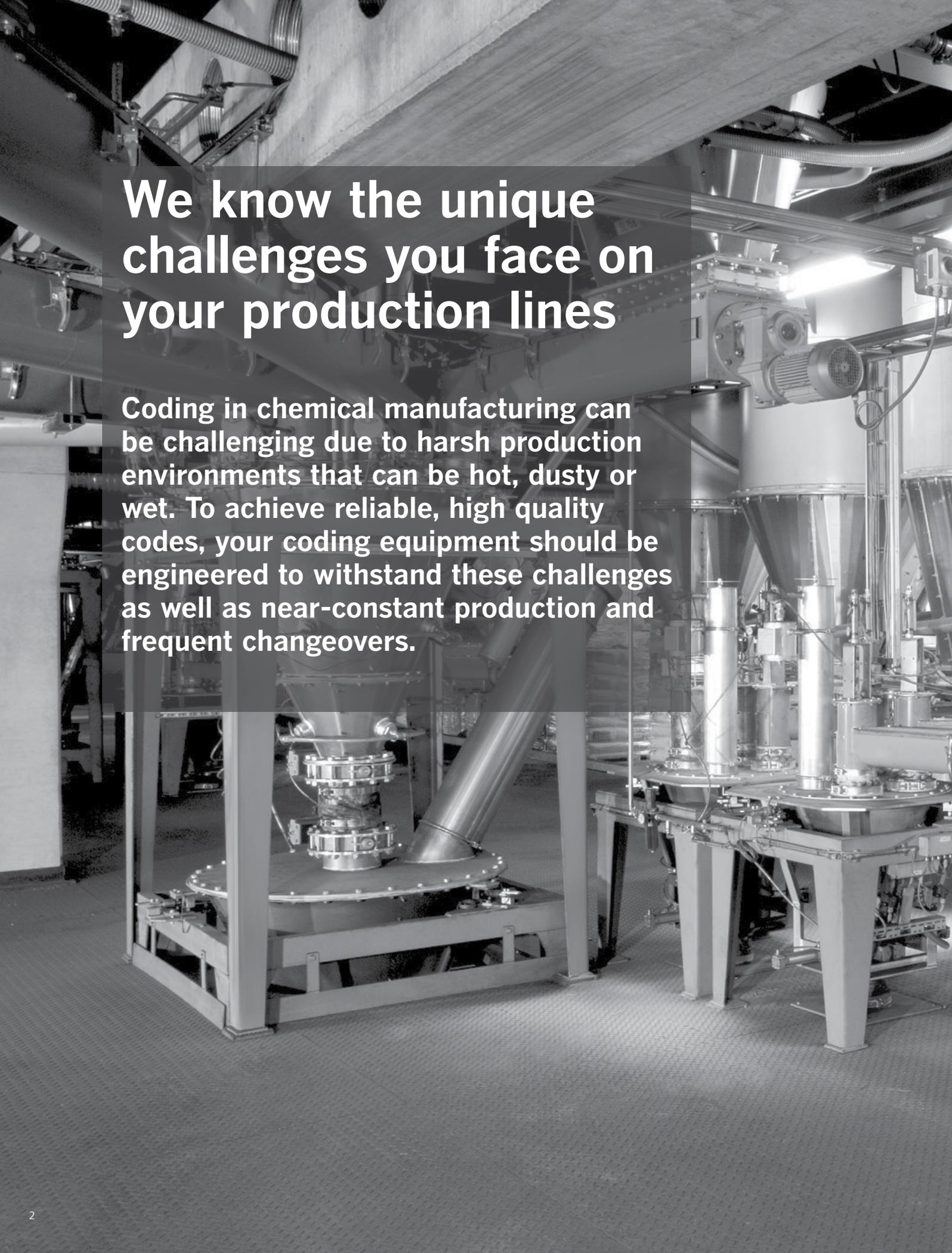




Marking, coding and systems solutions

Chemicals





We know the unique challenges you face on your production lines

Coding in chemical manufacturing can be challenging due to harsh production environments that can be hot, dusty or wet. To achieve reliable, high quality codes, your coding equipment should be engineered to withstand these challenges as well as near-constant production and frequent changeovers.



With demanding production environments, you need a partner that can help you select the right coding solution.

From addressing internal quality control needs to meeting your customer's traceability requirements, we can help.

Videojet has coding solutions for virtually every application and substrate, whether you require single or multi-line codes for lot, batch and date information or tracking data to meet regulatory and supply chain needs. Easy to operate and maintain, our solutions are simple to integrate with the expertise and assistance of the widest global support network in the industry.

Uptime advantage

Whether continuous or intermittent production, we know you cannot afford coder-related downtime. We have engineered our technology to help keep your lines running – even in challenging hot, dusty or wet environments.

Code Assurance

Manage an increasing number of codes with flexible, rules-based coding and network communication configured to get the right code in the right place, on the right product, time after time.

Built-in productivity

The cost of a printer is a small fraction of the investment in your chemical packaging lines. Our coding solutions enable you to maximize line productivity while helping to minimize the total cost of ownership.

Simple usability

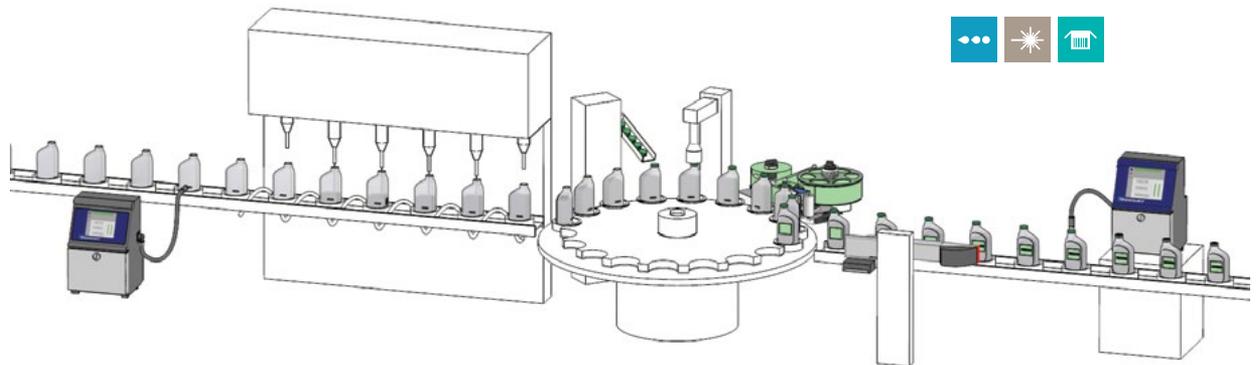
Our products are designed to be intuitive – helping to make operation quick, simple and virtually error-proof, so you can spend more time focusing on the critical aspects of your business.

Expertise for seamless 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 machinery manufacturers to make sure that the optimal coding solution integrates seamlessly into your lines. In addition, Videojet service and technical support teams help ensure that the installation is done right and provide support throughout the life of the printer.

Filling line

Filling lines are typically continuous motion, with limited space for coder integration. We offer small footprint, easy to integrate solutions for both direct-to-product coding or print and apply labeling applications.



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)

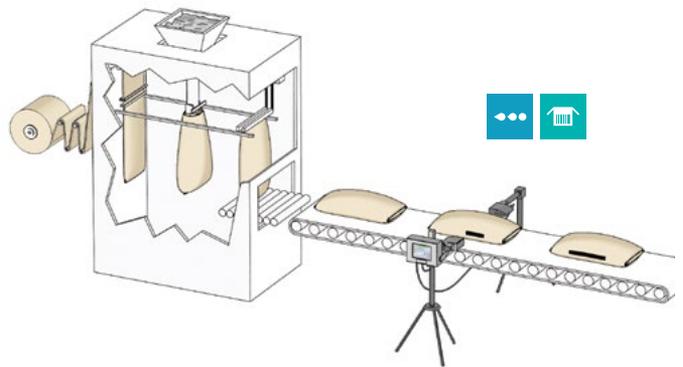
Prints and places labels of various sizes on multiple package types

Coding technologies for your packaging type:

Printing application	Laser	TIJ	CIJ	TTO	LPA	LCM
Plastic containers	✓		✓		✓	
Bags			✓			✓
Metal containers	✓		✓			
Specialty	✓	✓	✓			
Cases	✓		✓		✓	✓

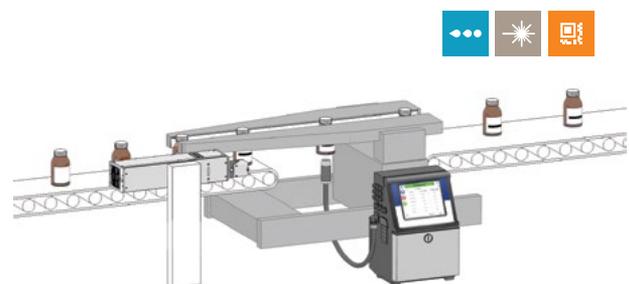
Bag filler and sealer

Sack filler and sealer lines can be intermittent or continuous motion. We have solutions for both. Additionally, our dual head printers allow customers to print on both sides of sacks simultaneously with a single user interface.



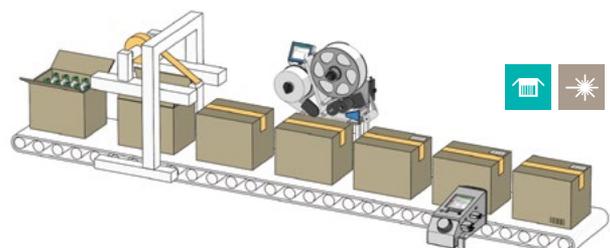
Specialty

For specialty containers, a side grip conveyor is often used to control products and assure proper code orientation. Videojet has experience integrating a variety of coding technologies into side grip conveyors and other material handling solutions.



Case packer and sealer

Case printers are typically integrated on conveyors after the sealed case has been discharged. Videojet offers solutions ranging from high resolution images and bar codes for product identification to batch and lot numbers for product tracking.



Plastic containers

Coding done right

Coding on plastics can have its challenges, including ink adherence on slick plasticizers and code resilience in the event of chemical spillage. The optimal coding solution takes into consideration your environment, your substrate and your required ink resiliency. Coding experts at Videojet can help you through this process of selecting and integrating the right solution for your needs.



Laser Marking Systems

- Ideal for crisp, clear and permanent coding; utilizes virtually no consumables
- Comprehensive portfolio of laser accessories such as beam turning units to simplify line integration and optimize laser performance
- Capable of both direct-to-plastic and label printing

Continuous Ink Jet (CIJ)

- Non-contact printing solution to code virtually anywhere on your package
- Specialized inks for optimized adhesion and code durability on plastic
- Code Assurance designed to minimize human error, and reduce code-related rework

Bags

Ink adhesion and coder selection

Whether your environment is hot, dusty or wet, selection of an optimal coding solution and ink is going to be key to your marking success. Videojet offers specialized solutions including printers with anti-clog printheads and specialty inks that are fast-dry, heat, and oil-resistant. With so many variables and options, it is important that you partner with a leader in the coding industry who can help you test varying solutions and identify the right coding and ink solution for your production environment.

Rules-based code entry to virtually eliminate human error

At best, code-related mistakes can be removed from your product and recoded, but at worst, you may be faced with throwing miscoded product out. Helping avoid these costly errors, Videojet Code Assurance solutions can help take the guesswork out of code selection for your operators. Getting the right code on the right product, time after time.



Large Character Marking (LCM)

- Produces large characters, even on uneven surfaces, to convey product information throughout supply chain
- Patented micro-purge process helps maintain a clean printhead and improves ink utilization
- Master/follower functionality enables printing on opposing sides of sacks, providing code visibility regardless of products' position on pallets



Continuous Ink Jet (CIJ)

- Dynamic Calibration™ regulates ink viscosity in extreme temperatures, improving code quality; Clean Flow™ printheads resist ink build-up, lessening maintenance requirements
- Portfolio of over 175 inks including odorless and non-MEK inks
- Wide range of both dark and light colored inks for maximum contrast

Metal Containers

Flexible solutions for a diversity of containers

Selection of an ideal coding solution for metal containers should consider several factors, including packaging shape and size as well as desired resolution and permanence. Laser, for example, can provide a high-resolution, permanent code, but is most effective on certain shapes and substrates. Continuous ink jet offers more substrate flexibility as well as a variety of ink alternatives. This makes an experienced coding partner invaluable as you navigate the printer selection process.



Continuous Ink Jet (CIJ)

- Easy integration into your line for shoulder, top or bottom printing on a wide variety of substrates
- Ideal solution for printing on curved metal surfaces
- Patented CleanFlow™ technology uses positive air pressure and a perforated face plate to keep the printhead cleaner longer – helping to eliminate unplanned downtime

Laser Marking Systems

- No inks or fluids are required, thereby eliminating the potential of ink compromising product integrity
- Wide range of laser sources, marking heads, and lenses to accommodate a variety of applications
- Fume extraction systems and accessories (such as an air knife) help keep the production environment and marking lens clean

Specialty Containers

Code on almost anything

Many specialty and fine chemicals come in unique containers, based on brand differentiation strategies as well as product use and dispense method. Ensure a high quality, consistent code, no matter what the container design, by choosing the optimal coding technology for your specialized package.



Continuous Ink Jet (CIJ)

- Versatile coding solution for almost any substrate, size or color requirement
- Configurable with a 50 micron nozzle to deliver code in small areas
- Smart Cartridge™ fluid system virtually eliminates waste, mess and mistakes

Laser Marking Systems

- High-resolution scribing technology provides excellent code resolution
- Variety of marking fields for varying product sizes and line speeds
- Clear codes, logos and text etch into glass packaging helping to ensure permanence and protection

Thermal Ink Jet (TIJ)

- High resolution, ink-based printing with no wear parts, minimizing maintenance and related downtime
- Water and light solvent inks are available for porous substrates
- 8610 uses MEK-based inks for excellent adhesion on non-porous substrates

Cases

Improve traceability and help reduce case-related costs

Printing lot, batch and supplier-specific information clearly 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 more quickly move product through your supply chain. To accomplish this, Videojet offers multiple GS1 approved solutions. Aside from improving traceability and assisting in product movement, printing this information directly on the case simplifies packaging demands and helps reduce case-related costs by standardizing to a common box style for different trading partners.

Consistently clear codes

Videojet offers high resolution, large character ink jet printers that benefit from a patented micro-purge process that helps to automate cleaning of the printhead and improve ink utilization. This process helps ensure clean, crisp text and scannable bar codes.



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" x 6" label)

Laser Marking Systems

- A DataLase® (a contrast enhancer) coated case marked with a laser will produce a dark black and extremely high resolution print
- Ablating painted or labeled surfaces provides highly-legible codes

Large Character Marking (LCM)

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

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 help 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 throughout its lifetime.

Financial advantage

Service costs are predictable, helping to protect your budget 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.

Videojet solutions

Accurate, reliable and cost effective printing

Coding in the chemical production and processing industry is not necessarily straightforward. Airborne dust can lead to poor quality printing. Also, frequent line changeouts can add to 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 one of the broadest technology offerings in the industry, Videojet helps meet 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 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 Ink Jet (TIJ)

Ideal for high quality text and bar codes on boxes, cartons and cases, helping to ensure 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.



Supplies and accessories

Customized solutions for your unique production needs

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 chemical 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.

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 135 additional countries.

- On-site installation, commissioning and operational support
- 24 X 7 help desk / technical support operations in 16 countries
- Proven responsiveness to meet on-site service requirements

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.

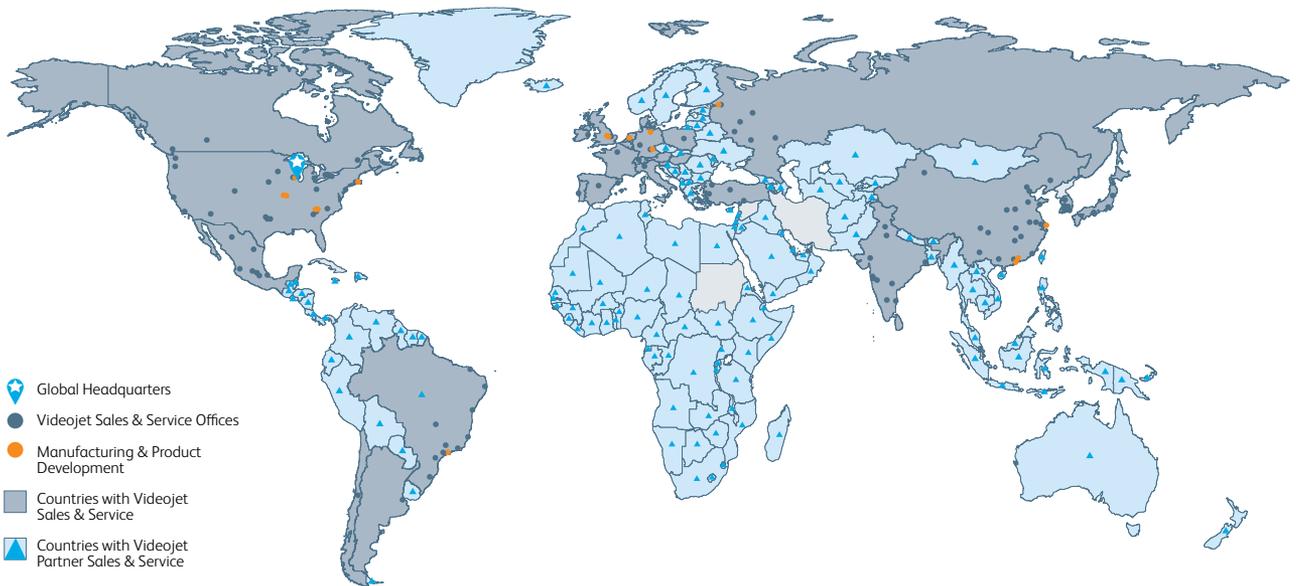


Peace of mind comes as standard

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