



Marking, coding and systems solutions

# Industrial product guide



# Your brands matter. Protect and enhance them with Videojet.

Whatever your requirements, Videojet has coding and marking solutions to meet your many production needs. Offering a wide variety of coding technologies, specialised inks and fluids, advanced software and a dedicated global service team, we can help you to print on virtually every package type and substrate



## **Continuous Inkjet (CIJ)**

Fluid-based, non-contact printing of up to five lines of text, linear and 2D bar codes, or graphics, printed on a variety of packaging types including stationary packaging via traversing systems.



## **Thermal Inkjet (TIJ)**

Ink-based, non-contact printing using heat and surface tension to move ink onto a package surface. Generally used to print 2D DataMatrix and other bar codes.



## **Laser Marking Systems**

A beam of infrared light focused and steered with a series of carefully controlled small mirrors to create marks where the heat of the beam interacts with the packaging surface.



## **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.



## **Label Printer Applicator (LPA)**

Prints and applies labels of various sizes on multiple package types.



## **Large Character Marking (LCM)**

Ink-based, non-contact printing of multiple data types (alphanumeric, logos and bar codes) in large sizes primarily used for shipping cases.



### ... Videojet® 1880 + Inkjet Printer

Avoid production downtime with the Videojet 1880 + printer, made for Industry 4.0 productivity pioneers. With a built-in vital sign monitoring system, smart alerts, Wi-Fi connectivity and an advanced automated troubleshooting program, the 1880 + anticipates potential printer issues in time for you to avoid them and helps enable you to recover faster, should downtime still occur.

- Up to 5 lines of print at speeds up to 1,097fpm (334mpm)
- Reduce downtime with the Videojet MAXIMIZE™ advanced diagnostics suite
- Recover from faults more quickly with RapidRecover™ automated troubleshooting engine
- Clean the printhead only when needed thanks to the unique ink build-up sensor



### ... Videojet® 1580 + Inkjet Printer

This printer is designed to deliver improved printer performance and operator effectiveness, simple operation, reduced maintenance and superior print quality during everyday operation. Printer performance can be monitored to help reduce total cost of ownership.

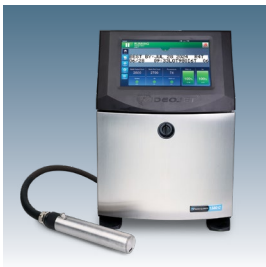
- Up to 5 lines of code with speeds up to 914fpm (279mpm)
- Lower the opportunity for coding errors with intelligent message creation functionality
- Analyse individual use patterns and receive printer improvement opportunities via on-screen alerts
- Eliminate potential user errors through the Videojet SIMPLICITY™ interface that greatly reduces operator printer interactions



### ... Videojet® 1280 Inkjet Printer

Videojet has redefined simple with the 1280 printer. From the intuitive interface to smart design features, it's simple for all operators to use.

- Print up to 5 lines of print at speeds of up to 533fpm (162mpm)
- SIMPLICITY™ user interface greatly reduces operator printer interactions, helping to eliminate potential user errors through an intuitive 8" touchscreen display
- Modular wear parts enable easy and reliable replacement by the customer
- No mess, no waste, no mistake Smart Cartridge™ fluid delivery system reduces waste



### ... Videojet® 1580 C Inkjet Printer

Built to deliver industry-first performance using soft-pigmented contrast inks, this printer features innovations in hydraulics, printhead and cartridge designs that bring running time and maintenance intervals to the same level as a dye-based printer.

- Up to 5 lines of code with speeds up to 889fpm (271mpm)
- Patented cartridge design helps to reduce common faults by alleviating ink pigment settling in the cartridge and blocking the orifice, which can result in printhead clogging
- Maintain consistent quality and contrast over time with codes that don't fade over time
- Webserver capability allows access to printers via supported web browsers on host computers



### ... Videojet® 1710 and 1610 Dual Head Inkjet Printers

For applications that require easily readable codes on dark or difficult-to-mark materials, the 1710 delivers high-contrast codes from a reliable, simple-to-operate system. Two printheads on the 1610 Dual Head deliver flexibility to print more content, print on two separate locations on a package or print on two lanes of a multi-lane application.

- Up to 5 lines of code from each printhead with speeds up to 888fpm (271mpm) with the 1710 and up to 960fpm (293mpm) with the 1610 Dual Head
- No mess, no waste, no mistake Smart Cartridge™ fluid delivery system reduces waste
- Airless, pump-driven system with 12,000 hour core life
- Advanced CleanFlow™ printhead design maximises uptime







## Videojet® 1880 Ultra High Speed (UHS) and High Resolution (HR) Inkjet Printers

Videojet HR printers are engineered for micro print applications where legibility is critical and print space is limited, addressing the demand for more content in less space. Our UHS printers are designed to operate at the extremes of packaging line speeds, delivering content and quality at high throughput levels.

- HR: print up to 3 lines of code at speeds up to 1,294fpm (394mpm) and characters as small as 1.2mm in height
- UHS: deliver superior print quality and up to 3 lines of code at speeds up to 1,666fpm (508mpm)
- SIMPLICITY™ user interface delivers Code Assurance, with features that can reduce user errors
- Unique printhead sensor detects ink build-up and alerts users when cleaning is needed



## Wolke m610® oem Thermal Inkjet Printer

Intelligent in design and practical in build, the m610 oem delivers breakthrough integration versatility combined with the industry's most powerful data handling and global track and trace capabilities. Designed to meet present and future serialisation requirements for pharmaceutical applications.

- Powerful and secure pharma serialisation data handling
- Flexible web interface enables easy print control from any large screen user interface
- Print speeds up to 300mpm (984fpm) at 600 x 600 dpi resolution
- Up to 60% smaller than comparable TIJ controllers with 24V DC power for easy installation



## Videojet® 8520 / Wolke m610® touch / advanced Thermal Inkjet Printers

Suitable for a range of coding challenges for industrial and pharmaceutical applications. These systems deliver high-resolution print with clean, no mess operation on a variety of carton substrates.

- Intuitive, icon-driven interface with on-screen message editing
- Line speeds up to 360fpm (109mpm) at 600 x 240 dpi resolution
- Print a wide range of linear and 2D codes, including DataMatrix and QR codes
- Ideal for simple data and lot coding, as well as advanced coding applications including high-speed serialisation



## Videojet DataFlex® 6330 iAssure™ enabled Thermal Transfer Overprinter

The DataFlex® 6330 is ideal when uptime, performance and throughput are critical. This system combines consistent code accuracy with the latest technology, reducing time spent on quality checks, packaging waste, and rework.

- Offers iAssure™ technology, a built-in code quality checker that helps reduce waste and rework with no additional hardware, installation or training
- Reduce costs and downtime, maximise printhead life and gain consistent print quality thanks to airless Videojet Intelligent Motion™ technology
- Industry-leading simple cassette change designed for fast ribbon replacement to maximise production uptime



## Videojet DataFlex® 6530 iAssure™ enabled Thermal Transfer Overprinter

This high-speed thermal transfer overprinter is built to offer superior performance and consistent high-quality printing. The airless, patented all-electronic system offers maximised uptime advantage and integration flexibility.

- 53mm model features Videojet iAssure™ technology, a built-in code quality checker that helps reduce waste and rework with no additional hardware, installation or training
- Up to 1,200m ribbon capacity and a variety of ribbon economy modes help maximise the time between ribbon changeovers (*iAssure™ technology is not currently supported for use with all ribbon savings modes*)
- Videojet CLARITY™ software helps ensure the right code is consistently printed on the right product
- Patented bi-directional clutchless ribbon drive delivers more prints per roll; reduces ribbon breaks

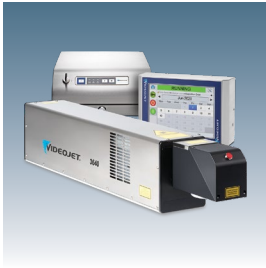




## **Videojet® 6230 Thermal Transfer Overprinter**

The 6230 printer delivers easy usability with built-in Code Assurance features to help significantly reduce costly coding errors when marking onto flexible packaging.

- Simple change ribbon cassette allows for fast and easy ribbon replacement
- Intuitive tablet-like 5.0" (12.7cm) touchscreen controller with CLARiTY™ interface makes set up fast and easy, with fewer mistakes
- Easy code creation with VideojetConnect™ Design or CLARiSOFT™ software
- Airless operation removes the need for plant air



## **Videojet® 3640 60-Watt CO<sub>2</sub> Laser Marking System**

Laser marking, etching and coding is a non-contact printing method producing mark quality, permanent print and large surface messaging. The new 3640 60W CO<sub>2</sub> laser offers manufacturers all these qualities alongside high uptime and simplified maintenance plus the flexibility to produce the accurate information you need to mark on your products.

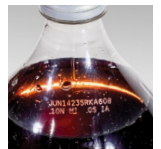
- Unique serialised information - an individual code and more information per product
- Up to 2,100 characters per second, coding at the highest speeds
- Easy, seamless coding on a variety of materials like plastic, cardboard or paper
- Fully focused on providing more code content from faster data without compromising line speeds



## **Videojet® 3350 30-Watt CO<sub>2</sub> Laser Marking System**

Designed for seamless automated product changeovers, this laser marking system delivers unparalleled digitally-enabled capabilities from a flexible solution ideal for marking complex and high-quality codes at high speeds.

- High-speed capability allows for marking 2,000 characters per second
- Reduced manual intervention with the Smart Focus laser marking head that delivers automated marking features
- Large selection of marking windows offers optimally-matched applications for faster marking
- Optional CLARiTY™ Laser Controller offers software features that help reduce operator errors



## **Videojet® 3140 10-Watt CO<sub>2</sub> Laser Marking System**

This 10-Watt CO<sub>2</sub> laser marking system is engineered for applications that require high-quality marking at moderate line speeds. This system addresses both simple and complex code requirements for a range of substrates.

- Print speeds up to 2,000 characters/second and line speeds of up to 2,953fpm (900m/min)
- Large selection of marking windows offers optimally-matched applications for faster marking
- Optional CLARiTY™ Laser Controller offers software features that help reduce operator error
- High-resolution marking head delivers consistent, crisp codes



## **Videojet® 3210 30-Watt CO<sub>2</sub> Laser Marking System**

This 30-Watt CO<sub>2</sub> laser removes the need to compromise on quality versus cost. Advanced engineering and extensive laser application expertise combine to deliver a refined design that brings laser marking within reach.

- Print speeds up to 1,300 characters/second and line speeds of up to 1,181fpm (360m/min)
- Compact, lightweight design makes line integration seamless while versatile mounting configurations simplify line changeovers
- Intuitive touchscreen interface and setup wizards make job creation straightforward
- Air-cooled laser source with 50,000 hours of expected life provides extended printer availability





### **Videojet® 7510 and 7610** Fibre Laser Marking Systems

The 7510 50-Watt and 7610 100-Watt fibre lasers deliver high-contrast marking on robust plastic packaging, metal containers and other industrial products at ultra-fast line speeds.

- Maximum performance and laser source life expectancy up to 100,000 hours
- Large marking window provides more time to mark, increasing throughput and maximising productivity
- High-precision scan head delivers consistent, high-quality codes across the entire mark window
- Intuitive colour touchscreen option makes training and usability quick and easy



### **Videojet® 7340 and 7440** Fibre Laser Marking Systems

These 20- and 30-Watt versatile fibre laser marking systems are the first to feature Lightfoot™, the smallest fibre laser marking head on the market, making them easy to integrate, operate and service.

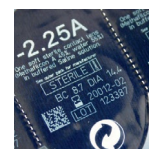
- Simple integration, reduced installation costs and an increased freedom of positioning with an industry-first, compact, fibre laser marking head
- Easy set-up and fast product changeovers with the integrated pilot beam focus finder that can reflect the code and actual size of the marking field
- IP69 laser marking head for worry-free usage in washdown and harsh environments



### **Videojet® 7230 and 7330** Fibre Laser Marking Systems

These 10- and 20-Watt pulsed fibre laser marking systems are compact and versatile for engraving metals and other hard-to-mark substrates.

- Small marking head and a variety of lens and beam delivery options provide easy integration into production machinery
- High-efficiency solid-state laser source generates very little heat, for nearly maintenance-free operation over years of usage
- Flexible and powerful software gives complete control over message format and content



### **Videojet® 7810** UV Laser Marking System

Pharmaceutical, medical and cosmetic industries can utilise UV laser marking to deter tampering and counterfeiting, helping to ensure lifetime brand protection and traceability. The 7810 laser system delivers permanent, high-grade readable codes to consistently meet quality requirements for optimal vision system readability.

- 2-Watt Ultraviolet wavelength laser marking of quality, vision-readable 2D codes up to 5.0m/sec
- Permanent, high-contrast marks on HDPE/LDPE and DuPont™ Tyvek® packaging
- High throughput on both rotary and linear applications up to 250 products per minute with no code distortion



### **Videojet® 2380** Inkjet Printer

This large character inkjet printer offers the complete solution for marking cases, cartons and other porous materials. Modular and easy to integrate, it delivers worry-free operation, while the embedded Wi-Fi provides remote access and analytical capabilities.

- Prints up to 2.8" (70mm) in height at 180 dpi resolution for durable, high-resolution text, logos, bar codes and graphics
- Intuitive, easy-to-use interface offers code assurance features, reducing potential user errors
- Patented micro-purge technology automatically performs routine printhead cleaning, helping to ensure consistent print quality while recirculating ink used for purging, reducing costs



### **Unicorn® and Unicorn® II** Inkjet Printers

Compact, single and twin-line, low-resolution printing systems that can be programmed quickly and easily.

- Print heights up to 1.0" (25mm) at speeds up to 200fpm (61mpm); model dependent
- Automatic date change, clock functions, consecutive counts and 52-message memory storage capacity
- Product names, identification numbers, automatic production counts and accurate time code capabilities are available at the touch of a button





## **Videojet® 2120 Inkjet Printer**

Easy-to-use printer for applying single or twin-line alphanumeric codes to a variety of products or packages. A choice of printheads and inks enable printing on a wide range of porous and nonporous materials.

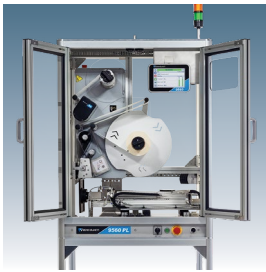
- Print heights up to 2.0" (50mm) at speeds up to 371fpm (113mpm); printhead dependent
- Multiple printhead and ink options provide application flexibility
- Easy operation reduces coding errors and guided installation reduces set-up/startup time
- Advanced message management features



## **Videojet® 9560 Print & Apply Labeller with Intelligent Motion™**

Without the need for plant air and complex set-ups, this advanced system offers a straightforward user interface and state-of-the-art Wi-Fi connectivity to streamline end-of-line processes with unmatched simplicity and efficiency.

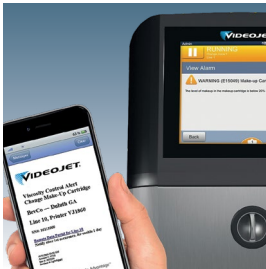
- Precise and automatic control of the entire system with patented Intelligent Motion technology
- Virtually eliminate label jams and simplify set-up with Direct Apply for top or side applications
- Seamless connectivity with warehouse management systems and advanced emulation capabilities help simplify integration
- User interface delivers single point of set-up and control for the whole system



## **Videojet® 9560 PL Pallet Labelling System**

Reliable, fully automated pallet labelling system specifically engineered to function in demanding conditions that helps reduce warehouse costs and pallet labelling mistakes. Precisely apply GS1-compliant bar code labels, processing up to 120 pallets per hour.

- Capable of covering two or three sides and applying up to four labels on a pallet
- Labelling arm extends up to 700mm beyond the enclosure and applicator swivels 90° in both directions for front or rear placement
- Integrated bar code scanner checks for label errors, ensures readability and validates codes so the system can automatically reprint/re-apply faulty labels as needed



## **VideojetConnect™ Remote Service\***

Delivers on-board remote service capability and instant access to the world's largest CIJ expert network. Bring the technician directly to the line to assist with troubleshooting and fast track printer recovery. No other service delivers support faster to help you make the right decisions in the right place at the right time.

- Real-time notification of printer needs, warning or fault conditions
- Instant visibility to valuable printer activity
- With remote recovery, Videojet expertise is virtually a click away

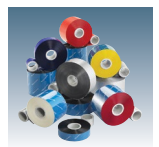
\*Subject to availability in your country



## **Videojet® Supplies**

Videojet provides over 15 types of ribbon and 640 application-unique fluids are available to meet nearly any application requirement. Extensive testing of the ink and printer combination helps ensure consistent performance.

- Broad range of general purpose and specialty inks, including thermochromic and food grade to solvent-resistant
- Full range of TTO ribbons designed to meet the challenges of flexible packaging applications
- Videojet fluids are engineered to enhance the performance of Videojet printers and increase production efficiency
- Backcoat technology as standard on TTO ribbons helps extend printhead life and printer uptime



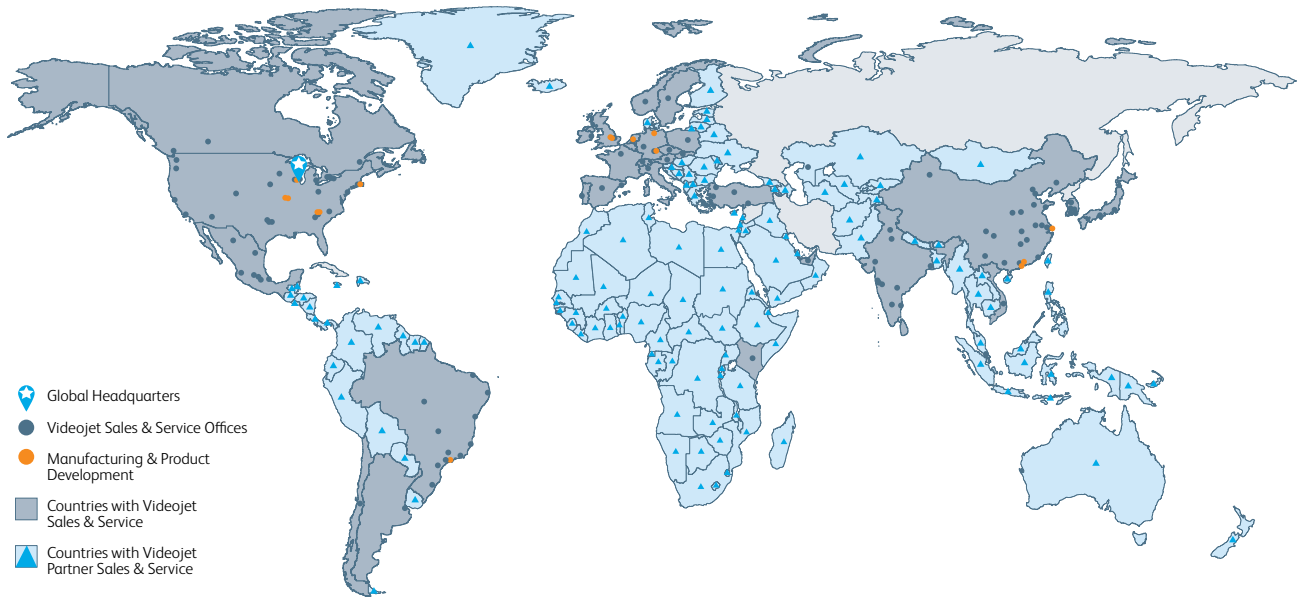


# Peace of mind comes as standard

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 labelling, 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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