



Optimal reliability,  
maximum productivity

Thermal Transfer Overprinting

## **Videojet® Product Line**



Our line of Thermal Transfer Overprinters delivers maximum uptime advantage and high-resolution, variable content for flexible packaging and labels.



**Optimal reliability and maximum productivity means more uptime on your production lines. Whether you are marking simple date and time codes, more complex regulatory codes such as ingredient lists, or other marketing information onto flexible film packaging, labels or glossy cards, our Thermal Transfer Overprinter (TTO) range helps your production lines run at peak performance. Every model in the TTO line offers you these key operational advantages:**

#### **Uptime Advantage**

- Minimise both planned and unplanned production line stoppages caused by ribbon changeovers and ribbon breaks
- Benefit from robust and reliable mechanical engineering, with minimal wear parts
- Unique patented features help ensure production lines run at their maximum potential

#### **Built-in Productivity**

- Maximise line efficiency and minimise total cost of ownership with built-in design features
- Achieve more throughput between ribbon changes with up to 1,200m ribbon capacity
- Guaranteed more prints (per Videojet ribbon roll) with the 0.5mm gap between prints and the ability to recapture ribbon after each print

#### **Code Assurance**

- Advanced software enables you to get the right code in the right place, on the right product, time after time
- Reduce the risk of rework and recalls with familiar look and feel user interface and software, offering simple operation and message creation

#### **Simple Usability**

- Designed to withstand tough production line environments
- Minimal wear parts are easy to change out, improving production line uptime
- Simple operator interface



# Quick, simple and virtually error-proof operation

## There's no upside to downtime

- A patented and proven clutchless ribbon drive is totally software controlled, helping to reduce unscheduled production downtime related to ribbon breaks or ribbon wrinkling
- Simple cassette design makes ribbon replenishment inherently quick, ensuring the printer is back on line with minimal impact to production
- Quick change printhead and minimal wear parts can reduce the time that production is interrupted when replacements are required

## We put more in so you can get more out

- Default settings and no factory air help maintain consistent code quality and avoid the risk of operators over-adjusting conventional air and energy settings
- Up to 1,200m ribbon capacity and a variety of ribbon economy modes maximises the time between ribbon changeover
- Total ribbon control from beginning to the end of the ribbon roll results in consistent print quality and minimises ribbon waste between prints to 0.5mm

## Code with complete confidence

- Videojet iAssure™ technology,\* a built-in code quality checker helps reduce waste and rework with no additional hardware, installation or training
- Videojet CLARiTY™ software helps ensure the right code is consistently printed on the right product
- To further reduce operator errors, an optional USB scanner is available to provide fast, easy, and fool proof job selection

## Great ideas proven to work

- The intuitive, high resolution graphical user interface provides a WYSIWYG job display, ensuring fast, simple and virtually error free operation
- Serial, Ethernet and USB communications offer you flexible and comprehensive communications options

\* Supported in DataFlex® 6330 and DataFlex® 6530 53mm TTO printers

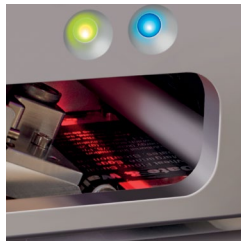
# Features and benefits

Simple cassette design for quick ribbon changeover

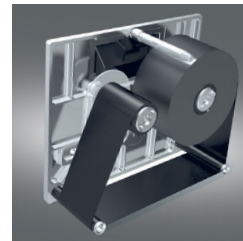
Mechanical engineering is robust and reliable, with minimum wear parts



High resolution graphical user interface with a WYSIWYG job display



Videojet iAssure™ technology, a built-in code quality checker helps reduce waste and rework



Up to 1,200m ribbon capacity, providing more throughput between ribbon changes

# Product range

The Videojet line of Thermal Transfer Overprinters has been engineered to meet your application requirements, delivering high resolution images on flexible packaging film and labels while minimising downtime and costs associated with ribbon replenishment and production changeovers.

## High performance solutions



**Videojet iAssure™ technology, a built-in code quality checker helps reduce waste and rework with no additional hardware, installation or training.**

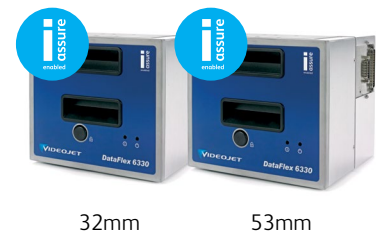


### Videojet DataFlex® 6530

The DataFlex 6530 is a high-speed Thermal Transfer Overprinter that can help improve uptime and provide a more productive operation by helping to reduce time spent on quality checks, waste, and rework.

The 6530 industrial thermal transfer overprinter is available in two widths, 53mm with iAssure™ technology, and an industry first airless 107mm, to meet your specific application needs.

Engineered for applications such as vertical form fill and seal, the 6530 offers print speeds of up to 1000mm/s and throughputs up to 700 ppm.\*



### Videojet DataFlex® 6330

The DataFlex 6330 is a medium speed Thermal Transfer Overprinter and offers print speeds of up to 250 ppm\*.

The 6330 printer is available in two print widths, 32mm and 53mm, providing the best combination of printhead and ribbon width to deliver the most cost-effective solution for your application requirements.

The 6330 TTO features Videojet iAssure™ technology, a built-in code quality checker that helps reduce waste and rework with no additional hardware, installation or training.

\* Application and substrate dependent. iAssure™ technology is not currently supported for use with ribbon savings, high speed or high throughput print modes.

The printers include a host of class leading benefits: airless operation, long ribbon lengths, fast print speeds, error prevention features, and simple operator interaction – optimised to meet your application needs.

## Total cost of ownership solution



### Videojet 6230

Alternatively, the Videojet 6230\*\* is a low speed Thermal Transfer Overprinter that utilises the latest technology to help reduce flexible packaging coding errors and improve total cost of ownership (TCO) through a proven and cost-effective solution.

The 6230 offers high-quality codes at speeds of up to 150 ppm, delivering easy usability with an intuitive tablet-like 5" touchscreen controller with Videojet CLARiTY™ interface.

Available with Bluetooth®\*\*\* connectivity, the 6230 can also be controlled from an Android phone\*\*\*\*, simplifying operator interaction with the printer and production line.

Our products are widely used throughout the snack food, bakery and confectionery markets, and demonstrate excellent performance in the frozen and refrigerated foods, meat and poultry, cosmetics, pharmaceutical and nutraceuticals industries.

As a result of understanding your world, we have been able to design Thermal Transfer Overprinters that integrate seamlessly with your packaging machinery.

\*\* Subject to availability in your country.

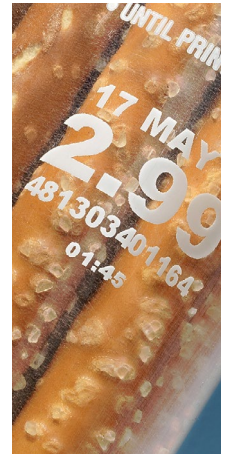
\*\*\* A Bluetooth USB Adapter is required when using the Videojet 6230 App. The Videojet 6230 printer is warranted to work with the recommended Videojet Bluetooth USB Adapter only.

\*\*\*\* The Videojet 6230 app supports Android OS, Version 4.4.4 (KitKat) or higher. The Android phone is required to allow Bluetooth tethering when using the Videojet 6230 App.

# Applications and code samples

The Videojet range of Thermal Transfer Overprinters are ideal for flexible packaging applications. When coding applications require content to be printed on products to meet regulatory demands, such as ingredient lists, nutrition statements, traceability information or use by dates, Videojet CLARiTY™ software helps to ensure that the right information is printed on the right package, time after time.

TTO printers have traditionally been able to print glossy labels and simply sealed flexible film packages. Videojet TTO's can also print on newer flexible film package types like resealable pouches, stick packs and sachets, offering customers more choices about how they want to package and code their products.



# Ribbons for all your needs

Videojet thermal transfer ribbons offer high performance, excellent print quality and superior durability. Our wide ranging selection includes ribbons designed specifically to meet the challenges of flexible packaging applications.



Videojet Thermal Transfer Ribbon Comparison			
	Grade	Colours	Application
Videojet Grade ↑	<b>Y</b> Wash Resistant	●	Specific heat/solvent resistance
	<b>C</b> Chemical Resistant	●	Specific solvent resistance
	<b>R</b> Premium	● ○ ● ● ● ● ● ● ● ●	Mechanical resistance, versatility
	<b>U</b> Ultra	●	Durable, high speed, long run times
	<b>P</b> Super Standard	● ○ ●	Durability and high speed
	<b>X</b> Extreme Temperature	●	Specific hot fill applications
	<b>Z</b> Rough Texture	●	Rough texture paper and Tyvek®
	<b>S</b> Standard	● ○ ● ● ● ● ● ● ● ●	General purpose and high speed
	<b>B</b> Basic	●	Paper labels



# Overview



Specification	6530		6330		6230
	53mm	107mm	53mm	32mm	
Printer Mode	Intermittent and Continuous Motion				
Print Gap	Consistent 0.020" (0.5mm)				
Ribbon Widths	0.8" (20mm), 2.2" (55mm) max	2.2" (55mm), 4.33" (110mm) max	0.8" (20mm), 2.2" (55mm) max	0.8" (20mm), 1.3" (33mm) max	0.8" (20mm), 1.3" (33mm) max
Bar Code Printing	EAN 8, EAN 13, UPC-A, UPC-E, Code 39, EAN 128, Code 128, ITF, RSS (including 2D composite codes); others may be available upon request				EAN8, EAN13, UPCA, UPCE and QR codes
Operator Interface	TFT SVGA 800x480 full-colour LCD and touch screen, WYSIWYG print preview, full on-board diagnostics, 3 levels of password protection, extensive language support				CLARITY™ 5.0 inch colour QVGA CSTN LCD and touch screen (800 x 480 pixels)
Leader/Follower Capability (Up to 4 Printers Controlled by One User Interface)	Up to four Videojet DataFlex® 6530 printers controlled via a single CLARITY™ control unit		Up to four VideojetDataFlex® 6330 printers controlled via a single CLARITY™ control unit		Up to four Videojet 6230 printers controlled via a single CLARITY™ control unit
Standard Communication	RS232, dual Ethernet, USB memory stick and scanner support, Binary and ASCII comms protocols, Windows®drivers, ZPL and SATO emulations				USB memory stick, ethernet, RS232, ASCII and binary communications
Web Browser Capability	Yes				

## Continuous mode:

Maximum Print Area (Width x Length)	2.1" (53mm) wide x 11.8" (300mm) long	4.3" (107mm) wide x 11.8" (300mm) long	2.1" (53mm) wide x 7.9" (200mm) long	1.3" (32mm) wide x 7.9" (200mm) long	1.26" (32mm) wide x 3.93" (100mm) long
Maximum Print Speed	39.4 in./sec (1,000mm/sec)		29.5 in./sec (750mm/sec)		19.7 in./sec (500mm/sec)
Minimum Print Speed	0.04 in./sec (1mm/sec)		1.6 in./sec (40mm/sec) full print quality; 0.04 in./ sec (1mm/sec) draft mode print quality		1.6 in./sec (40mm/s)
Estimated Maximum Throughput (Single Line Code)	Up to 700 prints per minute	Up to 450 prints per minute	Up to 250 prints per minute		Up to 150 prints per minute

## Intermittent mode:

Maximum Print Area (Width x Length)	2.1" (53mm) wide x 2.95" (75mm) long	4.3" (107mm) wide x 2.95" (75mm) long	2.1" (53mm) wide x 2.95" (75mm) long	1.3" (32mm) wide x 2.95" (75mm) long	1.3" (32mm) wide x 1.85" (47mm) long
Maximum Print Speed	31.5 in./sec (800mm/sec)	23.6 in./sec (600mm/sec)	29.5 in./sec (750mm/sec)		11.8 in/sec (300mm/sec)
Minimum Print Speed	0.4 in./sec (10mm/sec)		1.6 in./sec (40mm/sec) full print quality; 0.4 in./sec (10mm/sec) draft mode print quality		1.96 in/sec (50mm/sec)

# Productivity solutions

Available with virtually any Videojet Thermal Transfer Overprinter, our range of productivity solutions allows for simple operation and message creation, offering a similar look and feel used in other Videojet technologies.



## CLARiTY™

To help manufacturers improve quality and adhere to applicable standards, the Videojet TTO range comes equipped with the Videojet industry-leading CLARiTY™ touch screen interface which includes intuitive job selection, comprehensive feedback and diagnostics to minimise human error.

This single, easy-to-use interface provides manufacturers with a built-in Code Assurance solution, helping ensure you print the right code on the right product time after time. So you can get even more from your investment and have complete confidence in your Thermal Transfer Overprinter.



## VideojetConnect™

Videojet understands the importance of consistently applying correct codes to your product. Having tools and processes in place that help you to avoid the costly impact of rework, scrap and even fines is paramount to protecting your profitability.

VideojetConnect™ is part of our cloud-based software offering, and is a scalable solution that can give you transparency into your packaging line operation, empowering you to maximise production throughput and reduce operating costs.



**Manufacturers can benefit from simple code creation with VideojetConnect Design Template Management Software, available free of charge as part of VideojetConnect™ Productivity Suite.\***

\* Subject to availability in your country.



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## VideojetConnect™ Remote Service

With optional VideojetConnect™ Remote Service\*, your team can access Videojet experts to help improve productivity and troubleshoot potential issues in ways that other printers can't.

### Remote Alerts: **Be the 1st to know**

#### Real-time notification of printer needs, warning or fault conditions

Empowering you to act quicker, intelligent software dispatches immediate email notifications that inform you of any irregularities or faults that could affect your Videojet printer's performance.



### Dashboards: **Be the 1st to respond**

#### Instant visibility to valuable printer activity

Enabling proactive responses, you can now see the status of all the Videojet printers in your plant and drill down to detailed information on an individual unit. Configuration values can be quickly viewed without complicated navigation, and performance graphs can track a unit's history and help identify the cause of downtime events.



### Remote Recovery: **Be the 1st to recover**

#### With remote recovery, Videojet expertise is virtually a click away

With remote access capabilities, your in-house experts or Videojet Technical Support can electronically access your Videojet printer's operating system, troubleshoot and even make needed setting adjustments for you online. This virtual access can help you recover quicker, and often without the need for an on-site service call.

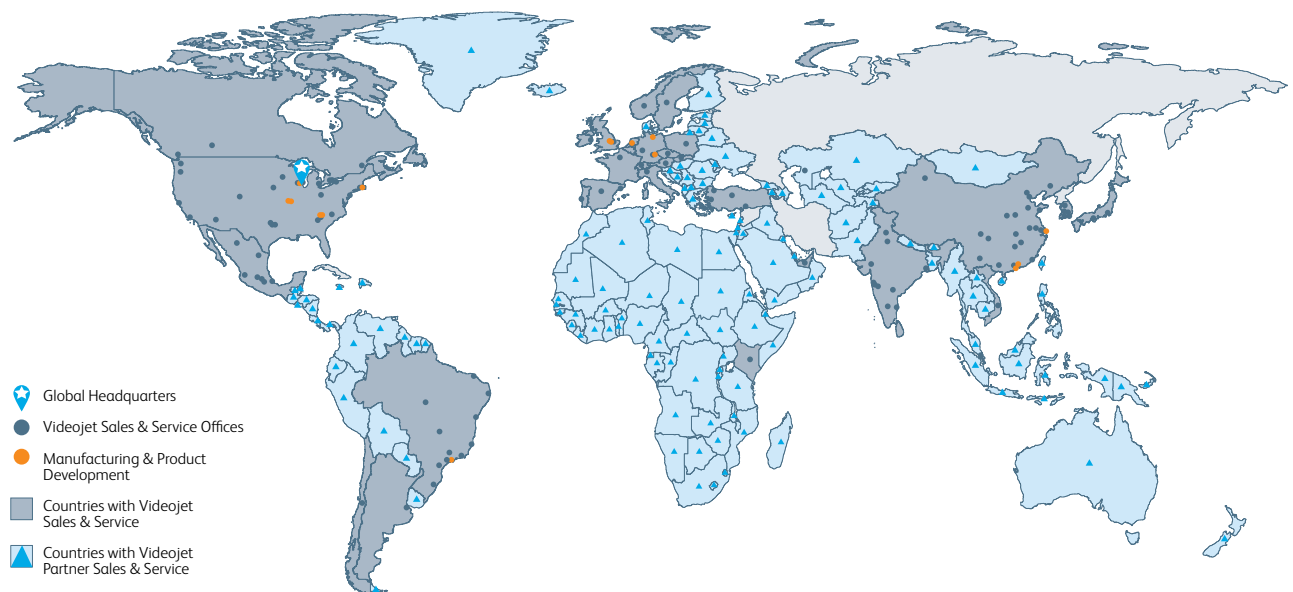


# Peace of mind comes as standard

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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