



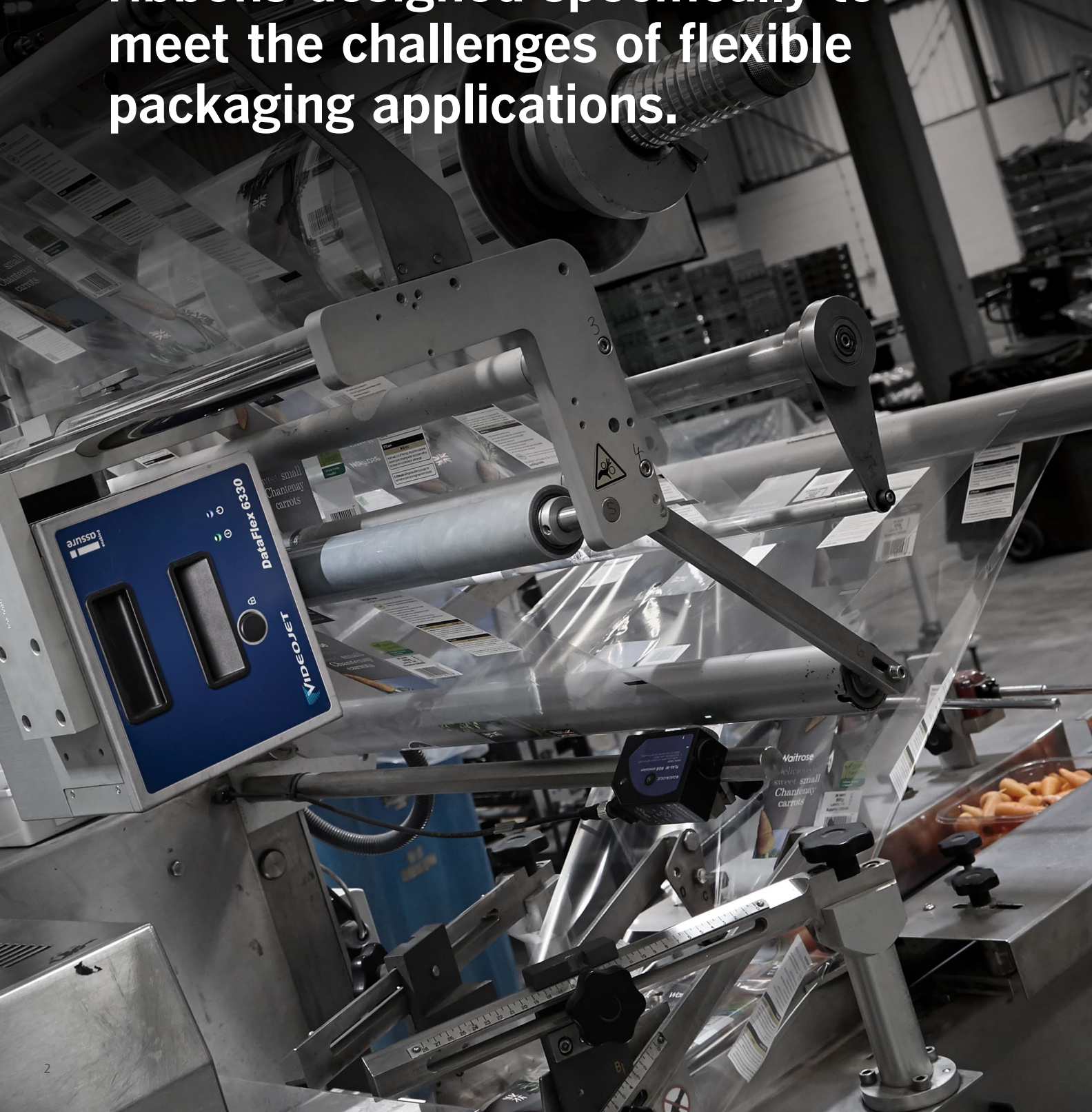
Thermal Transfer Overprinting

# **Thermal Transfer Ribbon Product Guide**





**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.**



# How to identify the right ribbon

There are typically two types of ink layers applied to thermal transfer ribbons: Wax/resin mix or resin only. Which one you should use depends on the application.



## Superior quality ribbons

Videojet thermal transfer ribbons offer high performance, excellent print quality and superior durability. Raw materials for specific Videojet ribbons are selected for regulatory compliance, environmental impact, sustainability and ethical production. Videojet ribbons are backed by certifications and other documentation to assure that they comply with appropriate standards and regulations.

The manufacturing processes of Videojet thermal transfer ribbons are designed to tightly monitor production and help maintain consistent quality from ink grinding to final packaging. Consistent production worldwide helps ensure you get ribbons with the high quality you can count on, wherever you place your order with Videojet. From batch to batch, our ribbons demonstrate consistent performance, color, and strength.

## Technologically advanced

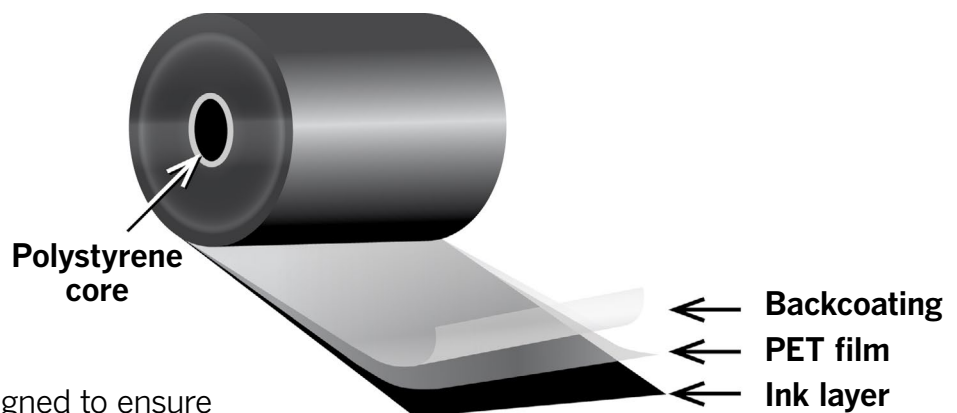
Videojet thermal transfer ribbons are specifically engineered, tested, and manufactured to optimize their performance. Ribbon and printer compatibility helps ensure fewer ribbon breaks, better print quality, and optimized adhesion with films, labels and other flexible materials.

Stringent testing protocols include raw material screenings combined with automated manufacturing processes to produce some of the best engineered, highest performing ribbons available in the marketplace.

## Backcoat technology

All Videojet thermal transfer ribbons feature advanced backcoat technology which helps to extend printhead life and in dissipating static charges.

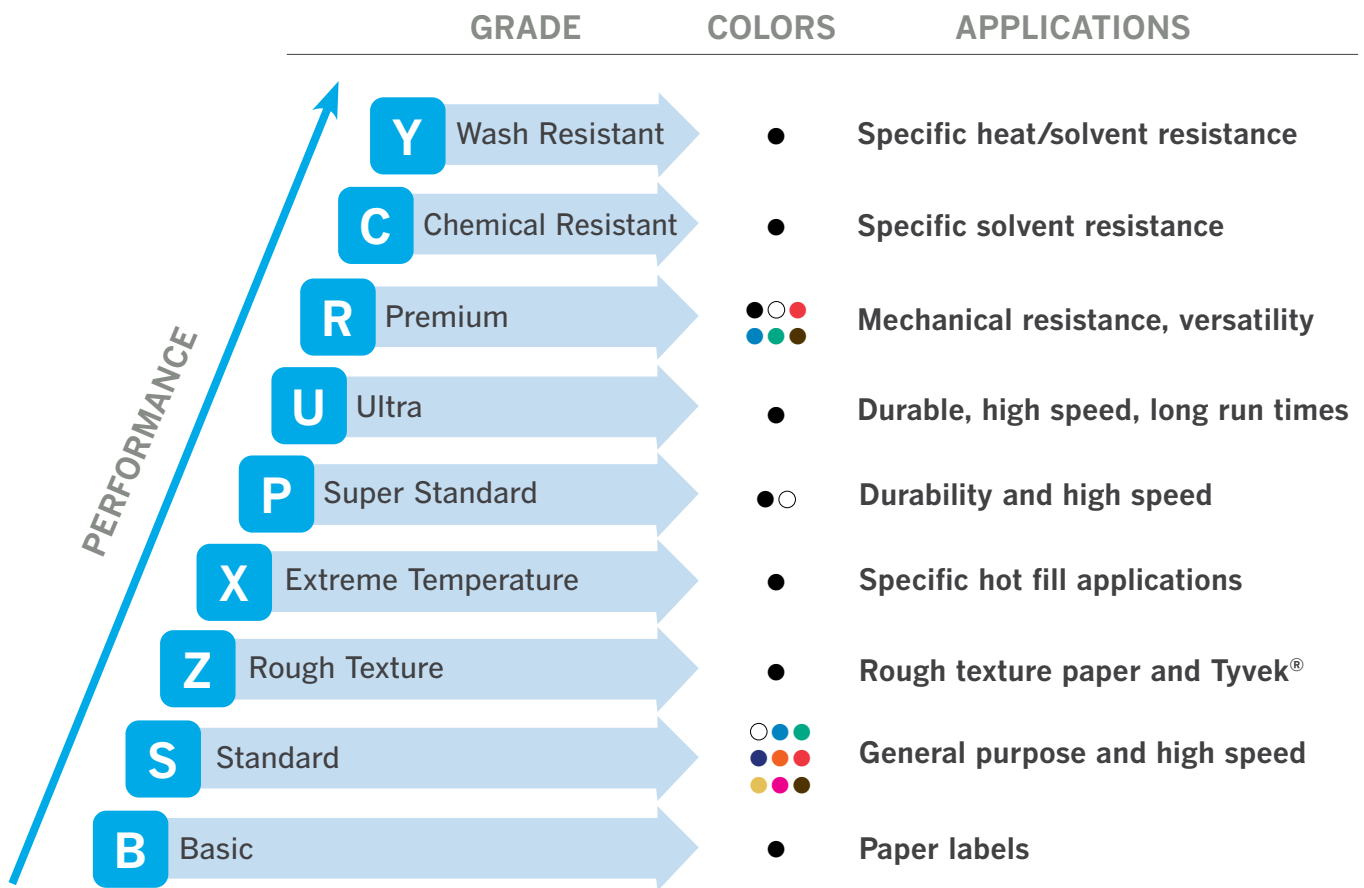
Backcoating technology designed to ensure printhead protection, which helps to prevent static build-up while providing printhead lubrication



# Compare Videojet Thermal Transfer Ribbons

Videojet Grade	PN	Description	Applications	Key Substrates	Colors	Max Printing Speed (mm/s)	Blackness/Contrast (0-2.5)	Smudge/Scratch Durability (0-100%)	Heat Resistance (°C)
Wash Resistant	15-Y	Delivers superior adhesion on fabric labels and textiles with resistance to washing and dry cleaning solvents	Fabric and flexible film when adhesion is critical or solvent resistance is needed	Cotton, acetate, and polyester	●	200	1.6	100%	200
Chemical Resistant	15-C	Delivers excellent adhesion on flexible film and glossy labels with solvent and heat resistance	Flexible film when solvent or heat resistance is needed	Polyester, polypropylene, polyethylene	●	200	1.6	100%	250
Premium	15-R	Delivers excellent adhesion on flexible film and glossy labels	Flexible film and glossy labels when adhesion and high speed are needed	Synthetic label, metalized foil, polyester	● ○ ● ● ● ●	400	1.8	95%	180
Ultra	15-U	Delivers excellent print quality on flexible film and glossy labels at high speeds	Flexible film and glossy labels when high speed is needed	Polyester, polypropylene, polyethylene	●	1000	1.8	80%	110
Super Standard	15-P	General purpose ribbon for use when increased adhesion is required	General purpose ribbon	Polyester, polypropylene, polyethylene	● ○	800	1.7	80%	110
Standard	15-S	General purpose ribbon available in 9 colors	General purpose ribbon	Polyester, polypropylene, polyethylene	○ ● ● ● ● ● ● ● ●	800	2.2	70%	100
Rough Texture	15-Z	Delivers excellent print quality on rough texture substrates such as Tyvek® and kraft paper	Substrates with rough texture such as Tyvek® and kraft paper	Uncoated paper, coated paper, Tyvek®	●	400	1.8	60%	100
Extreme Temperature	15-X	Delivers excellent transfer resistance on flexible film used in hot fill applications (under 198° F)	Adhesion and transfer resistance is strongly substrate and application dependent	Polypropylene, polyethylene	● ○	200	1.9	70%	100
Basic	15-B	Basic purpose ribbon	Coated and uncoated paper labels	Uncoated paper, coated paper	●	500	1.8	70%	100



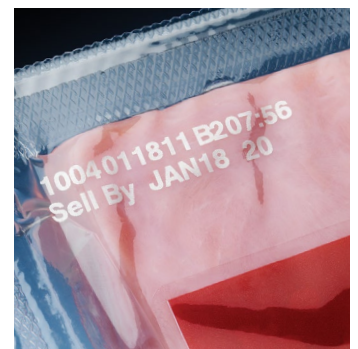


### Ribbons per box

- 110mm wide ribbons = 5 rolls per box
- 55mm and 76mm wide ribbons = 10 rolls per box
- 22mm, 25mm, 30mm, 33mm and 40mm = 25 rolls per box

### Standard Ribbon Widths

33mm, 55mm and 110mm





## Videojet Thermal Transfer Overprinters (TTO)

Videojet TTO printers deliver high-resolution images for marking variable information such as date, time, batch code, ingredients, logos, and marketing messages onto flexible film packaging and labels. Available in 32mm, 53mm, 107mm and IP rated versions, these systems provide the ultimate in productivity and efficiency. Some models can utilize longer ribbon lengths of up to 1200m, helping to extend the time between ribbon changes.



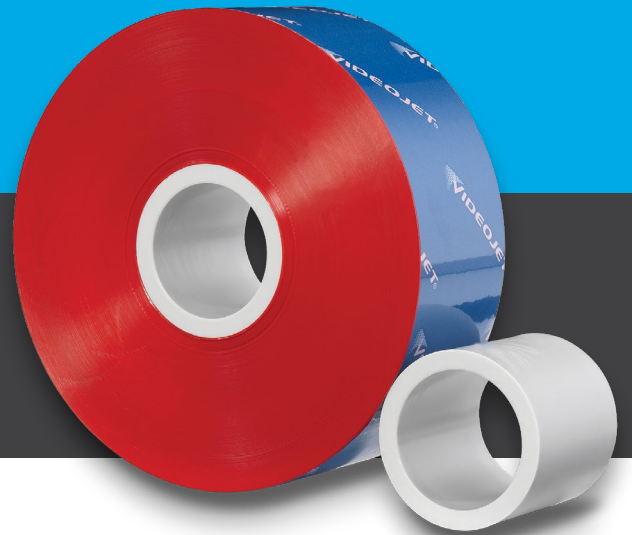
## Videojet Label Print & Apply (LPA)

The Videojet 9550 LPA system delivers a breakthrough design that eliminates mechanical adjustments, wear parts, and failure points that cause everyday operational problems.

Using Intelligent Motion™ technology, the entire machine is automatically and precisely controlled. In addition, the 9550 applies the label directly onto the pack without the need for an applicator. Standard tamp, front of pack and corner wrap applicators are available, if needed for your operation.



# Our complete line of thermal transfer ribbon



Consistent production worldwide helps ensure you get thermal transfer ribbons with the high quality you can count on wherever you place your order with Videojet. From batch to batch, our ribbons demonstrate consistent performance, color, and strength.

## Quality and expertise

Videojet thermal transfer ribbons have many advantages over similar competitive products. However, the single biggest differentiator is the ribbon length. As an innovator in the market, we were the first to provide a 1200 meter ribbon. This standard offering provides longer intervals between ribbon changes and more online availability.

The Videojet range of thermal transfer ribbons are designed specifically to meet the challenges of flexible packaging applications. Our thermal transfer ribbons are optimized for use with Videojet printers, and when used together, the combination helps ensure fewer ribbon breaks, better print quality, optimized adhesion and the uptime performance your operation demands.

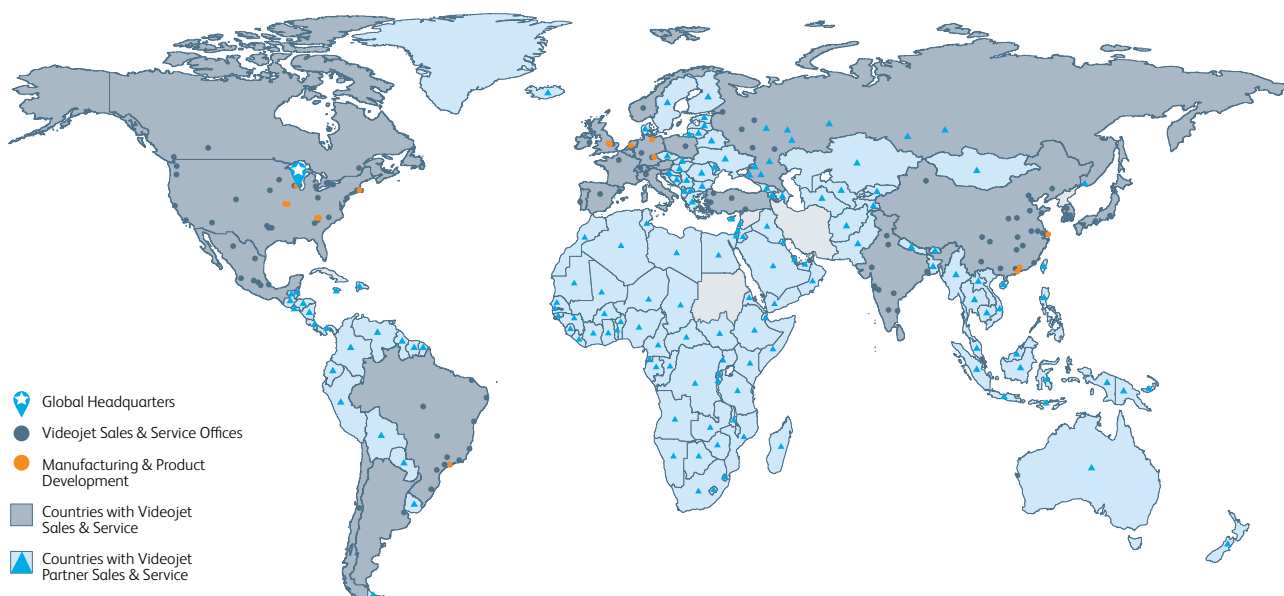


# Peace of mind comes as standard

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 345,000 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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