

Better products through advanced technology

ITW's thermal transfer ribbon is designed to maximize your uptime by producing sharp, crisp print and clean edge definition for all your labelling and bar coding needs. ITW's thermal transfer ribbons are available in a resin enhanced Wax, Wax Resin and Resin formulations for flat head printer technology. For near edge or corner edge technology printers, our wax/resin and resin ribbons are designed to get the maximum efficiency from near edge print heads, providing you with the superior performance characteristics you need for both abrasion and environmental resistance on labels and flexible films.

All ITW ribbons feature our advanced technologies including an anti-static coating, which together with high sensitivity inks that enable you to maintain and sustain the life of your print heads, use less energy and print at higher speeds.

No matter what the application, substrate or end use, **we've got you covered.**

- Chemical Resistant Labels
- Electronics
- Flexible Packaging
- Fresh Fruit Produce
- Healthcare
- Horticulture/Nursery
- Industrial
- Lumber
- Pharmaceutical
- Retail
- Textile
- Warehouse



Ribbon Range

Resin Enhanced Wax
For general purpose labelling

B220

Extreme Series Wax Resin™
For optimum print quality

B121

B128

Extreme Series Resin™
For demanding applications

B325

B324

D321

Near Edge
For near edge or corner edge printers

B112

P110



Thermal Transfer Ribbons for every labelling application



ITW Thermal Films YouTube Channel
Check out the Ribbon Doctor on ITW
Thermal Film's You Tube Channel
www.youtube.com/user/ITWThermalFilms

Download all Regulatory Documents for ITW
<https://itwthermalfilms.com/Resources/RegulatoryDocuments.aspx>



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Health Department Certification

"ITW Thermal Films products B220, B121, B128, B112, P110, and P110W are certified for use in conjunction with approved direct food contact marking and coding applications, when utilized in an appropriate manner for their intended use."

Department of Health and Human Services (FDA) letter, 29 July 2009

A ribbon for all applications

We understand that each industry and every application has unique requirements for thermal transfer printing, and that the ribbon needs to have certain functionality and durability characteristics for that market sector. ITW Thermal Films has the right Flexible, Durable and/or Extreme thermal transfer ribbon for your application, whatever your business.

2015 Range

	Flexible	Durable	Extreme	Textile	High Speed
Flat Head	WAX B220				
Flat Head	WAX RESIN B121	WAX RESIN B128			
Flat Head	RESIN B325	RESIN B324		RESIN D321	
Flat Head	WAX RESIN B112				WAX RESIN P110

Who is ITW Thermal Films?

ITW Thermal Films manufactures, converts and distributes PrintheadSaver® thermal transfer ribbons for bar coding and labelling applications to customers around the world. As a division of Illinois Tool Works Inc. (NYSE: ITW), a multi-national Fortune 200 company, we embody ITW's guiding principles which enhance customer focus, productivity and innovation, giving our customers the best thermal transfer ribbon products in the industry for their flat head and near edge technology printers.

What is PrintheadSaver®?

PrintheadSaver® is ITW Thermal Films wax, wax/resin and resin thermal transfer ribbon products. All of our ribbons are formulated with our:

- Anti-static coating for trouble-free operation
- High sensitivity inks that use less heat to prolong printhead life
- Durability characteristics you need for abrasion and environmental resistance.

Flat Head

B220 Resin Enhanced Wax is the perfect solution for general purpose labelling on a broad range of media. B220 requires less heat, prints fast, and is FDA compliant for Direct Food Contact.

B121 Flexible wax/resin ribbon is designed to give outstanding print density on the widest range of label materials at high speed while using minimal printhead energy. B121 is FDA compliant for Direct Food Contact.

B128 Durable wax/resin offers excellent printability and strong abrasion and environmental resistance. B128 is FDA compliant for Direct Food Contact.

B325 Flexible resin is ideal for a wide array of synthetic materials offering superior adherence and good durability. B325 is BS5609 certified for GHS applications.

B324 Resin is UL and c-UL recognized and the perfect choice for demanding applications in a wide range of high end market sectors including automotive and electronics. B324 is BS5609 certified for GHS applications. Also available in red.

D321 Extreme resin is formulated for dry-cleaning and care tag applications.

Near Edge

Developed specifically for use on near edge desktop printers, as well as online coders.

B112 Flexible wax/resin is designed to work on near edge desktop printers (i.e. TEC) for horticultural applications as well as flexible packaging on-line coders. B112 is FDA compliant for Direct Food Contact.

P110 P110 is a high speed near edge wax/resin developed especially for printing on flexible packaging films. P110 prints fast, works on multiple substrates, and is FDA compliant for Direct Food Contact.

Substrates

B220 Wax – Flat Head Thermal Transfer Ribbon

- Papers Coated
- Synthetics Polyester, Polyethylene, Polypropylene, PVC

B121 Wax Resin – Flat Head Thermal Transfer Ribbon

- Papers Uncoated, Coated, Card
- Synthetics Polyester, Polyethylene, Polypropylene, PVC

B128 Wax Resin – Flat Head Thermal Transfer Ribbon

- Papers Coated
- Synthetics Polyester, Polyethylene, Polypropylene, PVC

B325 Resin – Flat Head Thermal Transfer Ribbon

- Papers Coated
- Synthetics Polyester, Polyethylene, Polypropylene, PVC

B324 Resin – Flat Head Thermal Transfer Ribbon

- Papers Coated
- Synthetics Polyester, Polyethylene, Polypropylene, PVC

D321 Wax Resin – Flat Head Thermal Transfer Ribbon

- Papers N/A
- Synthetics Polyester, Polyethylene, Polypropylene, PVC

B112 Wax Resin – Near Edge Thermal Transfer Ribbon

- Papers Uncoated, Coated, Card
- Synthetics Polyester, Polyethylene, Polypropylene, PVC

P110 Wax Resin – Near Edge Thermal Transfer Ribbon

- Papers Uncoated, Coated, Card
- Synthetics Polyester, Polyethylene, Polypropylene, PVC