Industrial Printing Solutions

Our genuine TSC branded ribbons are designed to maximize the life of your printheads and provide consistent print quality.

Our portfolio includes different sizes available from stock and ready for immediate dispatch with minimum order quantity of just one box. Our program contains the most complete range of Thermal Transfer Ribbons with wax, was-resin and resin products available. Enjoy consistent, premium quality and optimized performance through your TSC printer.

All of TSC ribbons are halogen-free, demonstrating our commitment to green initiatives and safety. Our ribbons comply with GHS regulations and can be used for food packaging, where approved food contact marking and coding is required.

Genuine Supplies Thermal Transfer Ribbons

WAX: Our exclusive line of wax ribbons offers excellent print quality for a variety of applications. Wax is ideal for general-purpose use and offers the best possible value.

8050-SWX STANDARD WAX

- Widely used for barcode applications.
- Provides excellent print quality
- Suitable for standard labeling applications
- Compatible with most coated and non-coated paper labels

8300-PWX PREMIUM WAX

- Resin-enhanced wax
- Best scratch and smudge resistance for a wax ribbon
- Supports high speed printing
- Excellent print quality on all papers and some film materials

WAX/RESIN: Wax-resin is a versatile, multi-purpose ribbon for challenging environments. The mix of wax and resin gives the printer an ability to print on other materials such as synthetics, coated or glossy paper stocks as well as provides protection against chemicals, smudge and smearing.

8500-SWR STANDARD WAX/RESIN

- General purpose wax/resin formulation
- Superior print quality on common papers and films.
- Our most versatile formulation
- Prints at low temperature and high speed

8550-PWR PREMIUM WAX/RESIN

- Designed to print on a wide range of coated papers and films
- Very sharp print quality, enabling ladder and rotated barcode printing simultaneously
- Enhanced abrasion and scratch resistance

RESIN: This is the best ribbon for extreme environments where high quality images and resistance against scratch, smudge, heat, liquid or chemicals is required. Resin ribbons are usually used with synthetic labels, they do not print well on paper labels.
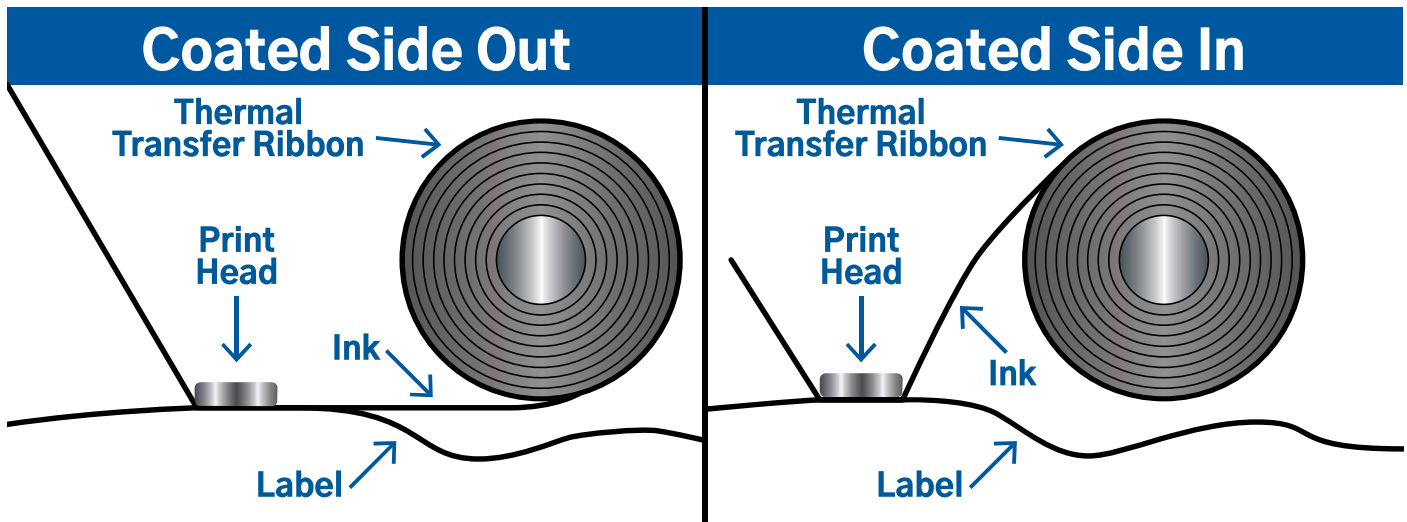
8650-SRE STANDARD RESIN

- Adaptable to a wide range of label materials
- Very high resistance to solvents and abrasions
- Supports higher print speeds

8770-PRE PREMIUM RESIN

- Developed for extreme environment labeling
- Unmatched scratch and solvent resistance
- Maximum durability

Industrial Printing Solutions

There are two categories: coated side out (OUT) and coated side in (IN). This refers to where the ink coating is placed on the ribbons. It affects how they're wound and fed through the printer – most printers can only take one style or the other.

Coated Side Out

Thermal Transfer Ribbon

Print Head

Ink

Label

Coated Side In

Thermal Transfer Ribbon

Print Head

Ink

Label

Coated Side Out Ribbons

Coated side out ribbons are printing ribbons that have the ink coating facing outside. You'll notice that the ink is on the outside of the ribbon roll and that it unrolls from the bottom before making contact with the print-head and label.

Coated Side In Ribbons

Coated side in ribbons are printing ribbons that have the ink facing inside. You'll notice that the ink is on the inside of the ribbon roll and that it unrolls from the top before making contact with the print-head and label.

Ribbon Size

There are a couple of criteria to consider when selecting a thermal transfer ribbon size. They are:

Ribbon Width

It is reccomended to take the ribbon width a little wider than the label width + app. 3-5mm. That way, the ribbon protects the printhead against rubbing of the label which may damage the printhead.

Ribbon Length

Typically, ribbons with a shorter length are intended for desktop thermal transfer printers while the longer lengths are intended for industrial ones. Our stock range include ribbons from 90 to 625mL.

Core Size

Smaller printers don't have as much space to accommodate larger ribbon cores. While a 1 inch core is standard, smaller printers use a 0.5 inch core. Check your printer requirements.

Industrial Printing Solutions

MATIERAL	DESCRIPTION	8050-SWX	8300-PWX	8550-SWR	8580-PWR	8600-SRE	8770-PRE
UNCOATED	Premium uncoated paper with permanent acrylic adhesive. Typical Applications: • Shipping • General warehouse • Address • AIAG • LOGMARS • Product ID • Hardware parts supply	✓	✓	✓	✓		
SEMI-GLOSS	Premium semi-gloss paper with permanent acrylic adhesive. Typical Applications: • Shipping • General warehouse • Address • AIAG • LOGMARS • Product ID • Hardware parts supply	✓	✓	✓	✓	✓	
RFID	Pressure-sensitive label with an RFID transponder (inlay) embedded between the label facestock and its release liner. Typical applications: • EPC Class 1 • Gen 2 RFID compliance applications • Pallet and case labels	✓	✓	✓	✓		
TAGSTOCK	Coated paper tagstock. Typical applications: • Retail hangtag • Warehouse bin & pouch inserts • Inventory control • Work in process • General purpose tag	✓	✓	✓	✓		
POLYPROPYLENE	Matte & gloss white polypropylene w/ permanent acrylic adhesive. Typical applications: • UL/CSA compliant nameplate labels • Harsh environment • Asset labeling • Shelf labels			✓	✓	✓	✓
POLYESTER	Matte, gloss & chrome white polyester w/ permanent acrylic adhesive. Typical applications: • UL/CSA compliant nameplate labels • Harsh environment • Laboratory labels • Asset labeling • Automotive labels • Durable goods labeling					✓	✓