

# TRUE Colours™

Quality  
Media

## PLASTIC CARD PRINTER RIBBON

Print Technologies:  
Thermal Transfer and  
Dye Sublimation



### TrueColours™ Resin Ribbons

- Black
- Red
- Blue
- Green
- White
- Gold Metallic
- Silver Metallic
- Scratch-off Gray

### TrueColours™ Multi-Colour Panel, Dye-Sublimation Ribbons

- Include a variety of options with Yellow / Magenta / Cyan
- Resin and Dye Sub Black
- Clear Overcoat panels
- YMC
- YMCK
- YMCKK
- YMCKO
- YMCKOK
- Kresin with O Panel
- Kdye sub with O Panel

For other ribbon options contact your distributor for more information.



## TrueColours Ribbons Ensure Reliable Color Reproduction and Edge-to-Edge Print Quality.

TrueColours plastic card printer ribbons are designed to produce optimum results with your plastic card printer. TrueColours printer ribbons ensure dependable, consistent high-quality color reproduction from card to card, roll after roll. Depend on TrueColours printer ribbons for:

- **Vibrant, rich, full-color spectrum reproduction**
- **Brilliant color photos and “true-to-life” flesh tones**
- **Incredibly sharp monochrome resin bar codes and text**
- **Consistent color reproduction from panel to panel, roll to roll**
- **Patented Overlay (“O” panel) for better card protection, less dye migration and protection against abrasions and scratches**

### Excellent Color Reproduction

TrueColours printer ribbons are formulated with a unique chemical composition specifically for use with advanced dye sublimation and thermal transfer technologies. The unique formula allows for guaranteed printer compatibility with the ribbon and provides for overall matched performance with the ribbon and the card printer. When used with Premier or Premier Plus plastic cards TrueColours printer ribbons produce brilliant, vivid color.

### GlidePath™ Technology

All TrueColours card printer ribbons feature GlidePath™ back-coating, a technology that cleans delicate print heads, eliminating dust particles that cause streaking while allowing the ribbon to pass smoothly over the print heads, ensuring minimum wear and extending printhead life.

### Patented and Sealed for Long Life

Each TrueColours ribbon comes spooled on its own patented core, attached to its own take-up core to ensure proper installation. The core is designed to prevent improper installation, making it simple and user friendly.

TrueColours printer ribbons are packaged in sealed pouches to prevent static-cling dust contamination. For added protection every ribbon comes in its own individual box for extended shelf life.

TrueColours printer ribbons are available from authorized distributors and a network of authorized resellers in over 95 countries worldwide.

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## Card Printer Ribbon Specifications

### General Specifications

- All TrueColours card printer ribbons employ GlidePath™ technology back-coating for extended printhead life
- Ribbon cartridges are available for Eltron P205 & P210 printers
- All other ribbons utilize a unique patented design ribbon core that helps eliminate ribbon slippage and prevents user from installing ribbon incorrectly (Patent No. 6,109,801)
- Each ribbon individually boxed and wrapped in cellophane for protection from dust and other particles

### Color Dye Sublimation Ribbons

- Uses dye sublimation transfer printing technology
- High color contrast YMC dyes
- Formulated for ease of use with your printer (no printhead adjustments needed)
- Durable patented "O" panel protection
- Multi-panel color ribbons: Y (Yellow), M (Magenta), C (Cyan)
- Dye panels in sequence combine to produce 16 million colors

### Color Resin Thermal Transfer Ribbons

- Uses thermal transfer printing technology
- Formulated to offer sharp resin images (no smearing of color)
- Formulated for ease of use with your printer (no printhead adjustments needed)
- Available in seven solid colors and one scratch off type:  
Black, Red, Green, Blue, White, Gold Metallic,  
Silver Metallic, and Scratch-off Gray

### Storage Shelf Life

- One year shelf life for all ribbons except for Gold & Silver
- Two year shelf life for Gold & Silver ribbons (under the following conditions):
  - Avoid exposure to direct sunlight
  - Avoid high temperatures and high relative humidity
  - Do not store near heat source
  - Do not store near solvents or other chemicals
  - Storage Humidity: 35% to 65% non-condensing
  - Storage Temperature: 41° to 86°F / +5° to +30°C
  - Optimum performance -  
storage temperature: 70°F / +21°C

### Ribbons are recommended for use with:

- Premier PVC and Premier Plus composite plastic cards
  - Certified ISO-Compliant, dust free, smooth edges
  - Card width/length: ISO CR-80 - ISO 7810,  
2.12" (54mm) X 3.38" (86mm)

### Ribbon Configurations

- Monochrome Resin Colors: Black, Red, Blue, Green, Metallic Silver, Metallic Gold, White, Scratch-Off Gray
- Panel Ribbons: Y,M,C, optional K and O: (Yellow, Magenta, Cyan dye) Resin Black or Dye Sub Black and Clear Overlay

**Eltron TrueColours™ Monochrome Resin Ribbons** utilize thermal transfer printing technology. A process by which a heated printhead is used to transfer a digitized image from the ribbon to the surface of the card. Monochrome ribbons can be used on all Eltron printers. They are available in a variety of colors including; black, red, green, blue, gold, silver, white, and scratch-off gray.

**Eltron TrueColours™ Multi-Panel Ribbons** utilize heat to initiate a process called dye sublimation transfer, in which the color dye on the ribbon is vaporized into a gas and infused onto the card at the printhead station. Several types of ribbon panel combinations are available (some use a clear protective overcoat (O) panel which is applied to the entire card as the final printing step to protect the card image).

**6 Panel ribbon (YMCKOK)** is used for printing a full color card on one side and printing black monochrome on the back.

**5 Panel ribbon (YMCKO)** is designed for full color printing on one or both sides of a card. It can be used with all of the Eltron color printers.

**5 Panel ribbon (YMCKK)** prints full color on the front and K resin on the back; a laminate patch can then protect the card if needed. A clear protective overcoat (O) panel is not necessary because the laminate patch provides sufficient protection.

**4 Panel ribbon (YMCK)** is designed for use with laminating printers in conjunction with a laminate patch. A clear protective overcoat (O) panel is not necessary because the laminate patch provides sufficient protection.

**3 Panel ribbon (YMC)** is designed for printing full color on one station; clear protective overcoats or laminates can be applied at the second station if needed.

**2 Panel black dye-sublimation ribbon (K dye + O)** provides alternating panels of black and clear protective overcoat. This ribbon is optimal for printing photo quality, black and white images.

**2 Panel black resin ribbon (K resin + O)** provides alternating panels of black and clear protective overcoat. This ribbon provides the least expensive way to print high quality, monochrome badges with bar codes.

### Ribbon Part Number Configurations

Several dozen ribbon combinations are available; contact your distributor for specific part numbers.

#### Americas Operations

Zebra Technologies Corp.  
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