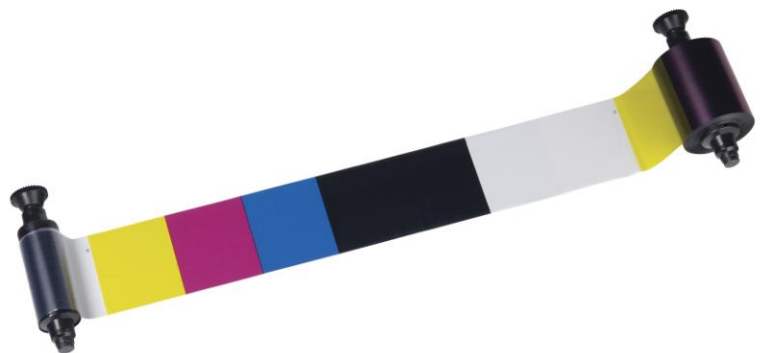


EVOLIS  
**HIGH TRUST**®

Advanced consumables for quality printing








## HALF PANEL COLOR RIBBON INFO GUIDE





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# 1. INTRODUCTION

Early 2003, Evolis introduced a multi-panel ribbon: the Half-Panel Color ribbon (YMCKO) noticing that some customers just need to personalize in color a little part of a card (for an ID picture for example). You will find hereafter information about the ribbon specifications, market applications, advantages and how it works with the Evolis Card Printers.

Use genuine Evolis ribbons to keep off defects and to benefit from high-quality printouts and at an optimal cost-per-card.

Evolis has worked closely in the development of ribbons and supplies technology, introducing innovation, security features and optimized printer's performances. Tested and validated by Evolis R&D and quality departments, these consumables bring you printing quality and reliability.

# 2. RIBBON SPECIFICATIONS

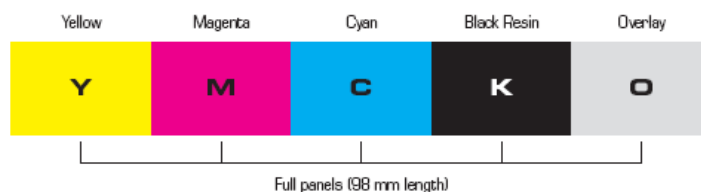
The Half-Panel YMCKO Color Ribbon is a dye sublimation ribbon which has the same ink specifications as the Standard or Full Panel YMCKO Color Ribbon.

The colour ribbon is polyethylene terephthalate (PET) with thin layers of specialised coatings. The concentration of colorants is very low and they are insoluble in water. In the printing process they only diffuse at temperatures above 50 °C. The hazards associated with this product are those of the PET base film.

The only difference between the Standard YMCKO Ribbon and the Half-Panel YMCKO Ribbon consists in the length of the yellow, magenta and cyan panels which, for the Half-Panel, are twice as small as for the Standard Panel YMCKO Ribbon (see comparison below).

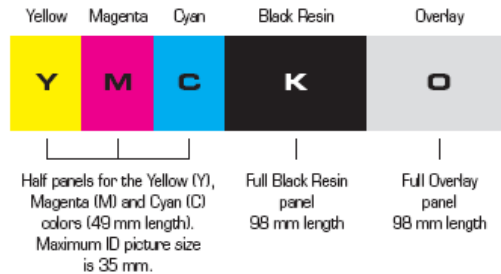
## Standard / Full YMCKO Description

For all single or doubled-sided color printing.





## Half-panel YMCKO Description



## 3. MARKET APPLICATIONS

The new Half-Panel Color Ribbon is used in the Identification market when a color ID picture and some black resin printing (i.e. texts, logos and barcode) are required.

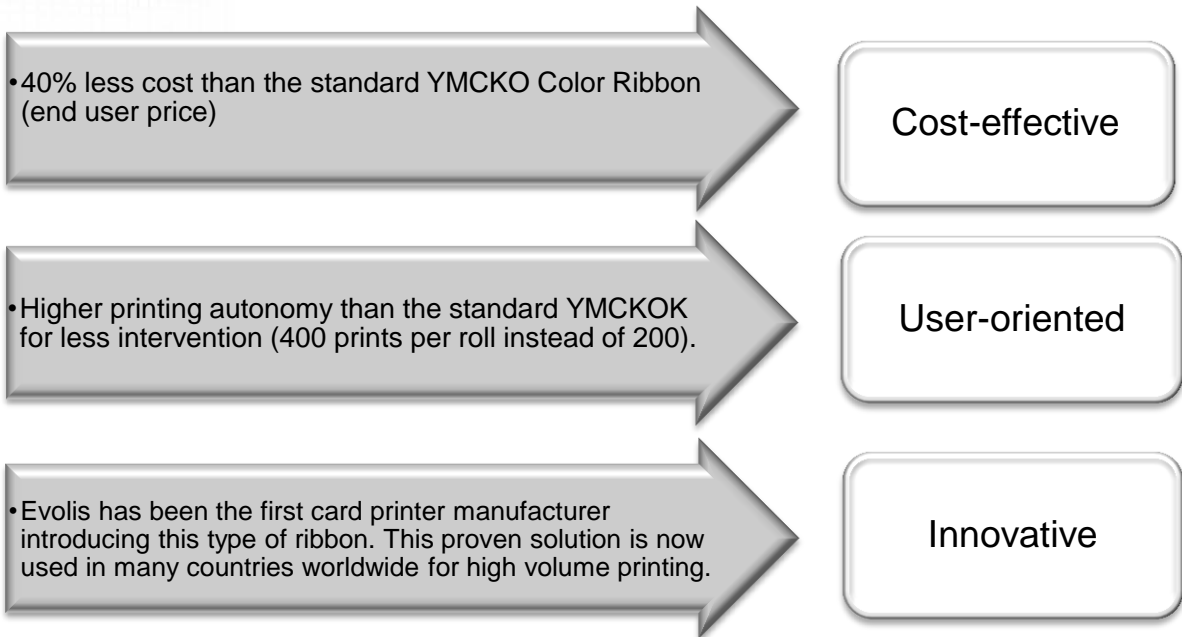
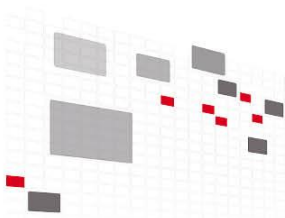
In many cases, this ribbon is used on blank cards but also on pre-printed cards. The main applications are student ID cards, transportation ID badges, employee ID badges, club membership cards, and driver's licenses.

Below, this is an example of an Employee ID badge:



## 4. ADVANTAGES

The use of the half panel YMCKO offers several advantages compared to the standard YMCKO ribbon:



## ■ 5. HOW DOES IT WORK?

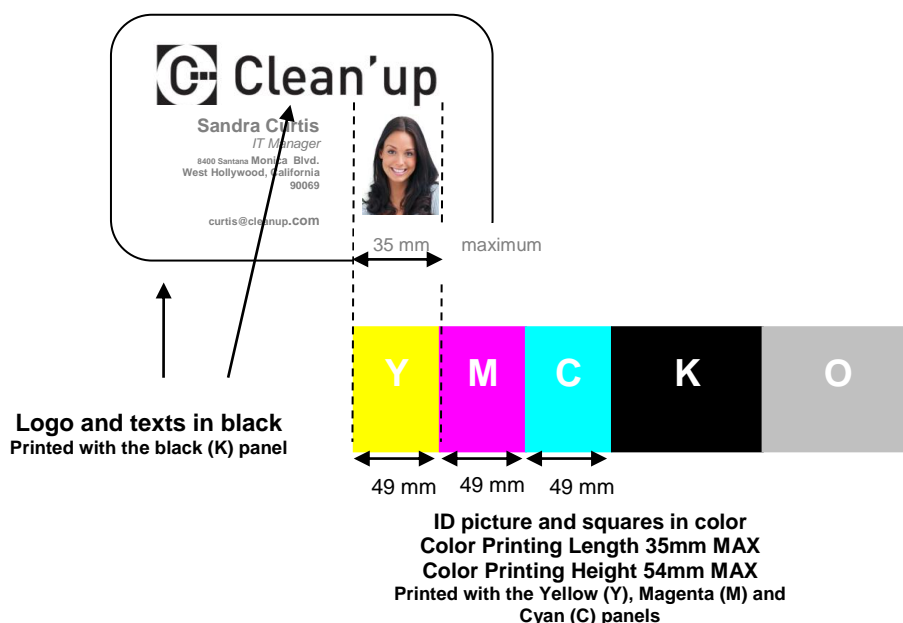
The Half-Panel YMCKO Color Ribbon can be used on all Evolis Card Printers.

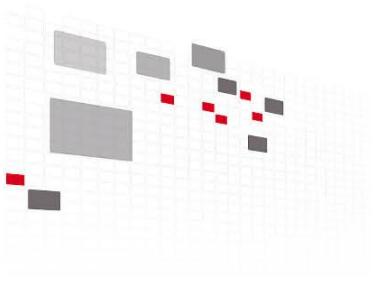
**The ID picture length must not exceed 35mm.**

**The ID picture can be placed anywhere on the card.** Thanks to a special driver command, the printer detects the color point of your ID picture. The card can then correctly position itself under the print head so that printing starts exactly where the picture is required on the card.

**The ID picture must be the only element in color on your card design.**

**Black elements (texts, barcode, etc.) can be placed anywhere on the card** since they are managed in the same way as with the standard / full YMCKO ribbon.





Cards can be either blank or pre-printed with a color background. When printing on pre-printed cards, make sure that there is no overlay (O) where the color picture could be printed; otherwise the printing quality will be altered.

**For further information you can go on our website: [www.evolis.com](http://www.evolis.com), in the FAQ section or in the user's guide delivered with your printer.**