

TECHNICAL SHEET

RETRANSFER TECHNOLOGY FOR CARD PRINTING

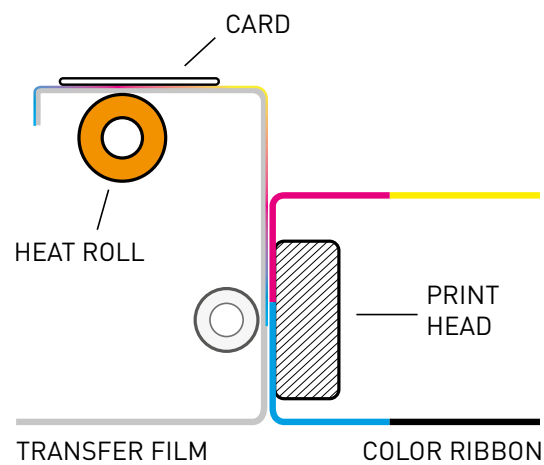
The Avansia card printer by Evolis incorporates retransfer technology (reverse transfer) for very high-quality printing of personalized plastic cards.

A CLOSER LOOK AT RETRANSFER TECHNOLOGY

In retransfer printing, the card is printed in two stages:

- **Thermal sublimation printing** of the card design on a transparent film
- **Transfer of the printed layer from the film onto the card:** the pressure and heat ensure perfect adhesion.

Avansia is equipped with a leveler that exerts pressure on the card for an even surface.





PERFECT PRINTING

Retransfer technology (reverse transfer) provides optimum quality printing:

- **High definition of 600 dpi:** flawless reproduction of images, with micro-text and watermarks printed in high definition.
- **Printing on the entire surface of the card:** the film covers the card completely, the edges are perfectly printed.



MEDIA COMPATIBILITY

All card types with the format ISO CR80 - ISO 7810 (53.98 x 85.60 mm) and a thickness of 0.76 mm (30 mil) are suitable for retransfer technology:

- PVC cards
- Composite PVC cards
- PETF cards
- PETG cards
- Polycarbonate cards
- ABS cards, etc.

Avansia can also personalize cards where the surface is uneven, such as contact and contactless smartcards.



EVOLIS HIGH TRUST® CONSUMABLES

To maximize the quality and lifetime of the printed cards, the service life of the print head, and the overall reliability of your printer, use the Evolis High Trust ribbons®.

Ribbon capacity:

- Transparent transfer film: 500 prints/roll
- Holographic transfer film: 400 prints/roll
- YMCK: 500 prints/roll
- YMCK-K: 400 prints/roll
- YMCKI (for magnetic stripe and contact smart cards): 400 prints/roll
- YMCKH (for non-PVC cards): 400 prints/roll
- YMCFK (UV ink): 400 prints/roll

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