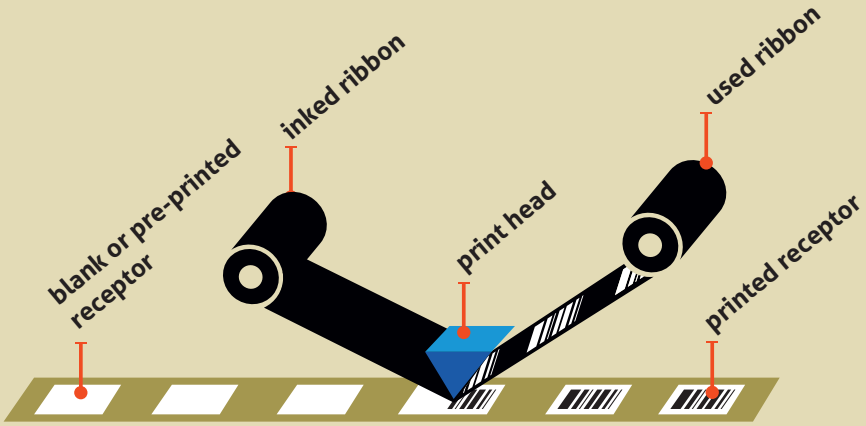
inkanto®

Thermal Transfer by ARMOR

THERMAL TRANSFER

What is a thermal transfer roll?

It contains the ink used by your thermal transfer printer to print data. It is presented in the form of a **roll of inked film** which is **solid at ambient temperature.** Under the effect of the heat generated by a print head **the ink becomes fluid and is transferred from the film to the receptor.**



What information is printed?

Variable information is printed onto all types of flexible and thin (< 1mm) print media:
This generally means **alphanumeric characters, barcodes, logos, ideograms and pictograms.**

What are the existing types of print media?

material
porousness
UV treatment
coating
ink

Coated paper
- Flat and smooth surface
- High print quality
- Good cost/performance relationship

Vellum paper (low quality)
- Untreated surface, highly porous
- Reduced print quality
- Coverage difficult

Gloss/UV-treated paper
- High quality flat and smooth surface
- Accepts high resistance inks

Vellum Paper (good quality)
- Untreated surface, slightly porous
- Good paper for standard use

Synthetic media
- Very smooth surface
- High durability compared to paper
- Accepts mechanical and thermal constraints
- Suitable for demanding applications

To be considered when selecting the film

› Type of printer
The print head technology (Flat Head or Near Edge) and the printer model define the required properties of the roll (end of ribbon detection, core notches,...)

› The material of the printed receptor
is an essential information to select the most adapted ribbon

› Type of printed information
The printed pattern (size of the characters, barcodes 0° or 90° or 2D, logos, etc...) define the user expectations in terms of ribbon printing performance

› The print speed
has an influence on the ribbon type needed to guarantee the expected print performances

› Constraints associated with the life cycle of the product and its marking:
the environment where the printer will be deployed, the type of rubbing and exposure to heat, solvents, etc

The Near Edge ribbons range