

**TRESU**

# Inline flexo printing of diapers, INCO and sanitary napkins.



Boost your brand

# Integrated flexo printing solutions.

An important concern for sanitary products manufacturers serving the feminine, baby and adult care sectors, is to maintain brand loyalty among consumers. Increasingly, manufacturers are looking to apply graphics to the product, such as floral or geometric patterns, icons and logos, in order to promote trust in the brand and convey quality.

A converting line with integrated flexo printing capability means the hygiene products manufacturer can meet the demand for branded goods, while having the flexibility to competitively offer shorter production runs, with shorter lead-times, with costs firmly controlled. It even gives manufacturers the option to refresh product lines with more frequent design changes, in response to trends in seasonal or demographic demand.

With a TRESU integrated printing solutions you are able to boost your sanitary napkin brand. Fully automated and built to the highest standards of safety, this unit offers the flexibility to apply unique designs with perfect register, inline without compromise in production speed. Designed with the highest levels of automation for controlled, precise print speed and ink flow and fully servo-driven.



- TRESU ink supply systems available e.g. with integrated cleaning and viscosity control
- Speed up to 600 m/min
- Register control with minimum waste
- Efficient TRESU drying system for waterbased and solvent inks
- Customised to the speed of the sanitary napkins converting machine
- Sealed, pressure-controlled chambered doctor blade systems enable direct, foam-free transfer of ink or coating to the anilox rollers, ensuring a consistently clean printed image

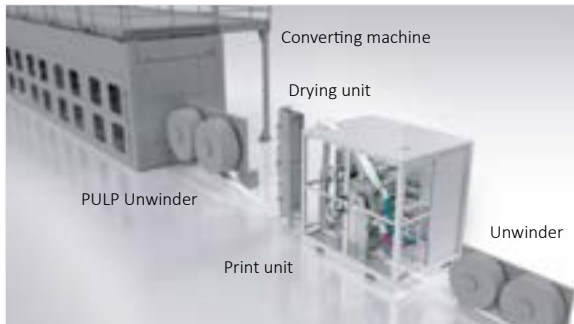


Scan to watch the animation presenting integrated printing solutions in sanitary products.

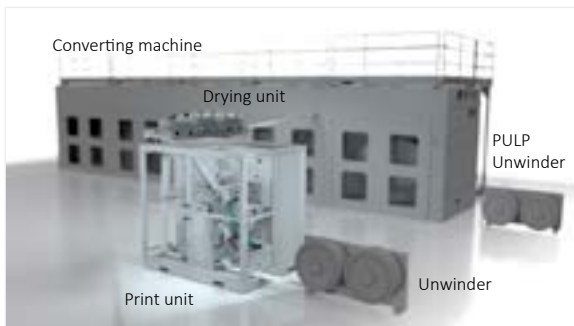


# Examples of integration options

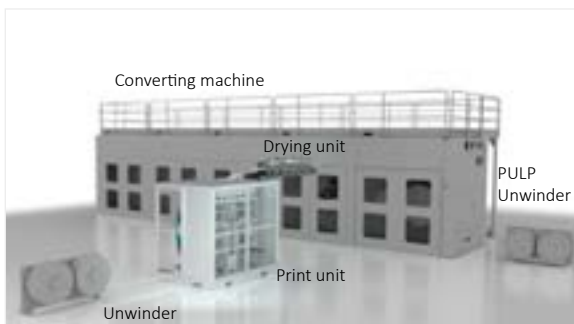
## Direct Inline Print Unit



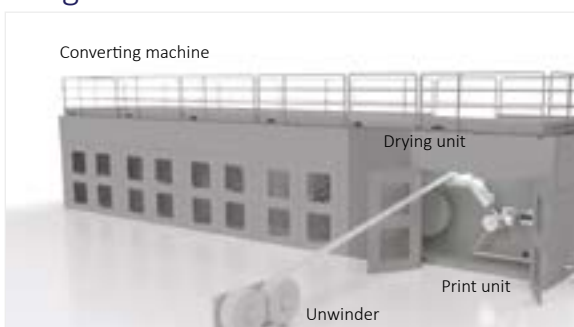
## Parallel Inline Print Unit



## 90° Inline Print Unit



## Integrated Inline Print Unit



## Specifications / Example

### Direct Inline solution

- 2 color (prepared for 4 colors)
- Web width: 80-200 mm
- Repeat length 390-680 mm
- Printing speed: 450 m/min
- Substrate: Non-woven materials 12-35 GSM
- Ink: Waterbased, UV or solvent inks
- Web tension: 4-8N
- Drying system: Included (with electrical heating)
- Servo system: Gearless solution
- Ink Deck Positioning System: Included
- Length register: 360°
- Side register operating range:  $\pm 10$
- Web direction: Right to left seen from operators side
- Register control nip: Included (print to product)
- Direct Inline to a converting machine

## Specification / Example

### Integrated Inline solution

- 1 color (prepared for a 2 color)
- Web width: 80-220 mm
- Repeat length 390-680 mm
- Printing speed: 600 m/min
- Substrate: Non-woven materials 12-35 GSM
- Ink: Waterbased, UV or solvent inks
- Web tension: 4-8N
- Drying system: Included (with electrical heating)
- Servo system: Gearless solution
- Ink Deck Positioning System: Included
- Length register: 360°
- Side register operating range:  $\pm 10$
- Web direction: Right to left seen from operators side
- Register control nip: Included (print to product)
- Integrated into to a converting machine

# The core of flexo.



TRESU supplies not only complete units and machines, but also equipment to be retrofitted or already installed when you buy a new converting line from a wide range of, OEMs worldwide, as they also know, that the heart of any top performance flexo unit is supplied by TRESU.

## High performance ancillary products

Optimizing the print quality, operator friendly and with less downtime



### F10 iCon intelligent ink control systems.

The F10 iCon is a lean, innovative solution for safe, stable and controlled ink circulation – with easy handling and increased production output. With the proven TRESU ViscoFlow, the F10 iCon automatically adjusts flow, ink pressure and viscosity, providing complete ink process control and outstanding print quality and increases your productivity by up to 30%.



### Printing plate cleaning system.

The fully automatic, contact-free, inline cleaning system for flexo printing plates is the only system in the world, that cleans the printing plate during production or performs an intensive post-production cleaning process. The PPC base module contains a high pressure pump, a vacuum pump with cyclone and a control for individual adjustment and observation of the printing stations.

TRESU Group is a highly specialized company offering flexible, customized solutions of flexo printing machines and high performance ancillary products for flexo, digital and offset printing to the graphic industry.

TRESU Group has 40 years of experience and expertise in the development and production of engineered solutions for this industry and supplies directly to end-customers, OEMs and partners.

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