

<http://www.eticonverting.com>



# COHESIO&LABELINE

Produce your own  
pressure sensitive  
material

Built on 25 years of solid experience in the label industry, ETI specializes in the conception of label manufacturing equipment for paper, film, foil and cardboard.

**Save 30% to 70%  
on your pressure sensitive  
material costs**



The Cohesio can be used to manufacture your own rolls of pressure sensitive material. An unsupported facestock (pre-printed or not) passes through the Cohesio to get transformed into self-adhesive label stock, die-cut and finished. In all cases, the Cohesio allows for more flexibility (e.g. printing under the adhesive), reduces the printing waste and generates huge savings in the label production process.

The Labeline process, like the Cohesio process, produces self-adhesive material but, furthermore, combines the printing operations in-line.

### Create new products which can not be copied by competitors

- ▶ Print the facestock (top, back or both sides) before making the label
- ▶ Laminate multi-webs in register to create unique coupons with a multi-colour printing on any facestock
- ▶ Print on one or both sides of the liner before applying the silicone
- ▶ Print under the adhesive and on the back side of the facestock to avoid extra costs of lamination

### Process efficiency and waste limitation of the Cohesio

The Cohesio process is more efficient and productive than traditional label printing. The production is made at lower costs than the competitors. In fact, all the waste generated by the printing operation is made on unsupported and inexpensive material. If the printing quality is good enough, the material can be coated, laminated and die-cut into finished labels to increase its value.

### Save 30% to 70% on your pressure sensitive material costs

**Produce your own pressure sensitive material with the Cohesio to increase your profit:**

- ▶ Less material is used in the printing process
- ▶ The total cost of all the raw material is much lower than the cost of pressure sensitive material when bought from major suppliers

*Cohesio using pre-printed material*

### General Process of the Cohesio

The facestock and the liner are placed on individual unwinding systems.

The liner, made of film or paper, is coated with silicone and adhesive before joining the facestock (pre-printed or not) in the lamination process.

Any paper, film, foil or board can constitute the facestock. Pressure sensitive material made in the first pass is used instead of traditional facestock or liner to create a piggy-back which can be printed on one or both sides. The possibilities are endless!

### Cohesio Features

#### ETI-Corona Plasma Optimum

ETI-Corona Plasma Optimum system modifies the surface of plastic films to enhance the bonding of adhesive, ink or any other coating, eliminating the need of purchasing expensive pretreated films from major suppliers.

#### UV Curing System for UV curable pressure sensitive hotmelt

The Cohesio can be designed with a coating and curing system for UV curable pressure sensitive hotmelt based on acrylic, a special type of adhesive which combines the easy handling properties of hotmelt with the clean removability of acrylic.



#### ETI-Blade

Every Cohesio comes with the ETI-Blade conceived to improve printing quality, reduce downtime, and features a tool less top blade.

#### A choice between a variety of printing process

The facestock can be printed with any desired process (digital, rotogravure, flexography, offset, letterpress, silk screen) before becoming pressure sensitive material.

**Integrate the construction of pressure sensitive material within the operations of traditional label production!**

# From a flexo press to a label manufacturing line (Labeline)

## Labeline Technology

The Labeline integrates the silicone and the adhesive coating in-line, together with ETI unique printing technology. In other words, you produce complete labels at a lower cost than what others pay for their pressure sensitive material. The Metronome, a high quality flexo press also manufactured by ETI Converting Equipment, can easily be retrofitted into a Labeline. The Cohesio can also be modified to include printing stations and then become a Labeline.

## Process efficiency and waste limitation of the Labeline

With the Labeline, only the good printing is processed to the coating and lamination operations. The cost of your waste is thus reduced because only the well printed material is converted.

## General Process of the Labeline

The unsupported facestock is first printed (top, back or both sides). Simultaneously, the liner is coated with silicone and adhesive. The liner can also be printed prior to the coating for manufacturing multi-layer labels.

## Printing technology

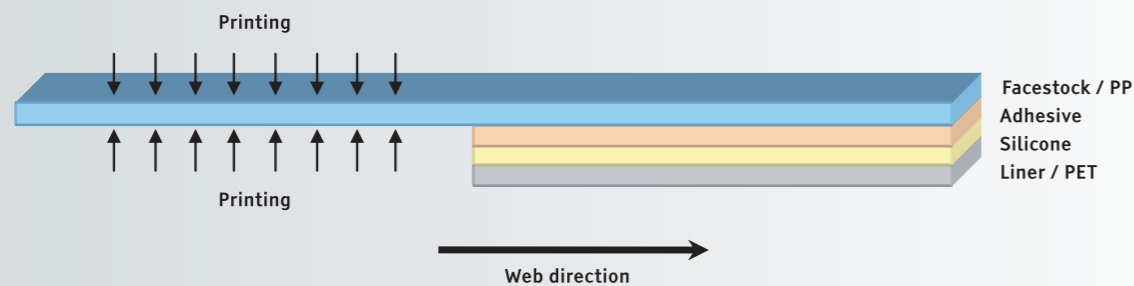
The Labeline uses ETI flexo printing and its unique "Rapid Change Technology" to print the facestock. However, the custom-made Labeline can integrate other printing processes:

- ▶ Offset and gravure stations can easily be added
- ▶ Silk screen cassettes, cold and hot stamping devices can be slid into any station



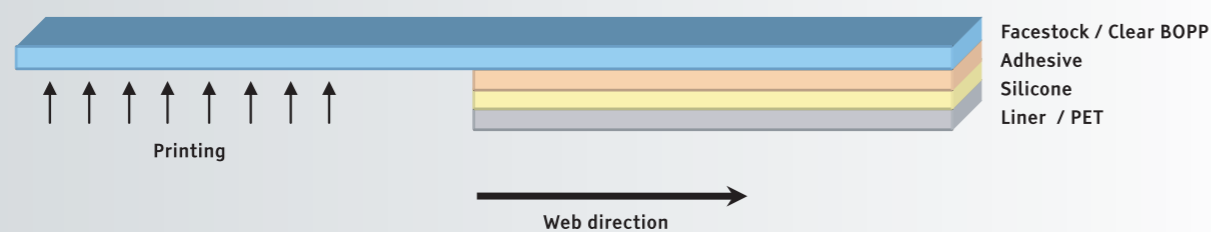
## 70% Savings & Process Improvement

The most economical way to manufacture value added label is to print the facestock on the top and reverse side with any printing process before making the desired pressure sensitive label stock.



## 50% Savings and Process Improvement

The facestock can also be printed on its reverse side before converting it into pressure sensitive material. This way, you benefit from a higher dot quality and avoid the additional costs of overlamination as the printing is protected by the facestock.



# Unique label constructions

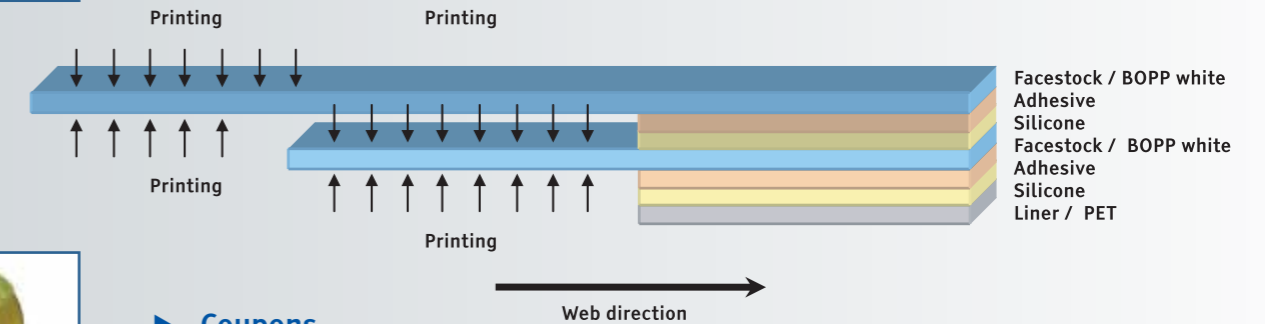
## Unique constructions

Cohesio and Labeline technology allows for the production of high quality pressure sensitive material and for the creation of new and original constructions. For instance, washable labels which will allow you to replace 'difficult-to-remove' labels for the beverage market and access even more markets with wet-wipe repositionable labels.



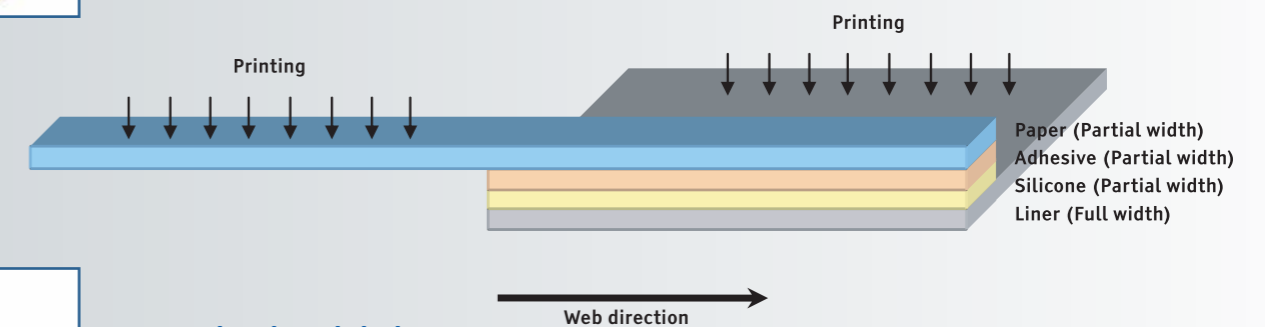
## Multi-ply label

Multi-ply labels represent an efficient and unique label construction produced at high speed on a full web width. It allows for a multicolour printing on each side of the multi-ply labels (under the silicone and under the adhesive) before the lamination in register.



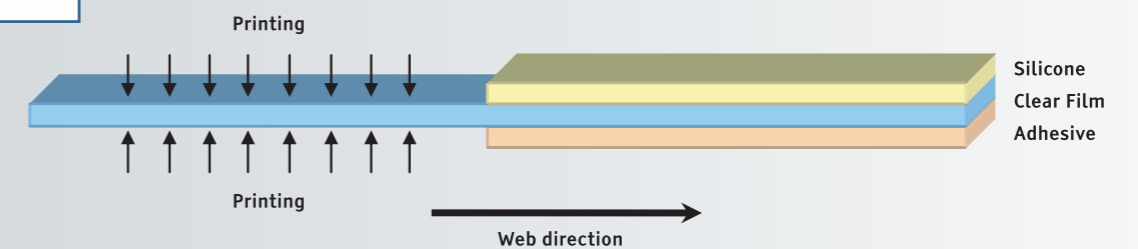
## Coupons

Coupons can be created by converting a partial width of a liner or a facestock into pressure sensitive material.



## Linerless labels

Pressure sensitive material without a liner can easily be produced on the Cohesio and on the Labeline.



The Cohesio and Labeline convert any type of paper, board or film into self-adhesive material. They can be customized to answer your special needs as shown in the table below.



Labeline and Cohesio Common Specifications

| MODEL                                  | 1300                    | 1600                    | 2000                    | 2600*                   |
|--|-------------------------|-------------------------|-------------------------|-------------------------|
| Max Web Width                          | 13.25" or 336 mm        | 16.25" or 412 mm        | 20.125" or 511 mm       | 26.125" or 660 mm       |
| Max Coating Width**                    | 13" or 330 mm           | 16" or 406 mm           | 20" or 505 mm           | 26" or 666 mm           |
| Max Mechanical speed                   | 500 ft/min<br>150 m/min | 500 ft/min<br>150 m/min | 500 ft/min<br>150 m/min | 500 ft/min<br>150 m/min |
| Unwind Capacity                        | 42"<br>1067 mm          | 42"<br>1067 mm          | 42"<br>1067 mm          | 42"<br>1067 mm          |
| Double Rewind Capacity                 | 42"<br>1067 mm          | 30"<br>762 mm           | 30"<br>762 mm           | 30"<br>762 mm           |
| Gearing                                | 1/8"<br>3.18 mm         | 1/8"<br>3.18 mm         | 1/8"<br>3.18 mm         | 1/8"<br>3.18 mm         |
| Two Variable Infeeds                   | Included                | Included                | Included                | Included                |
| Slitting Station                       | Included                | Included                | Included                | Included                |
| Complete Automatic Register System     | Included                | Included                | Included                | Included                |
| Air Pressure                           | 100 psi or 7 bars       | 100 psi or 7 bars       | 100 psi or 7 bars       | 100 psi or 7 bars       |
| Power Requirement                      | As required             | As required             | As required             | As required             |
| Dual Horizontal Die-cut                | Optional                | Optional                | Optional                | Optional                |
| Auto Peel-Off System                   | Optional                | Optional                | Optional                | Optional                |
| Waste Rewinder                         | Optional                | Optional                | Optional                | Optional                |
| A4 & US Letter Size Sheeting Module    | Optional                | Optional                | Optional                | Optional                |
| Variable Sheeter Module                | Optional                | Optional                | Optional                | Optional                |
| Batcher Stacker Module                 | Optional                | Optional                | Optional                | Optional                |
| Folder Module                          | Optional                | Optional                | Optional                | Optional                |
| Silk-screen Module                     | Optional                | Optional                | Optional                | Optional                |
| Hot foil Module                        | Optional                | Optional                | Optional                | Optional                |
| Cold foil Module                       | Optional                | Optional                | Optional                | Optional                |
| Multi-web Registration                 | Optional                | Optional                | Optional                | Optional                |
| Automatic Non-stop Turret Rewinder     | Optional                | Optional                | Optional                | Optional                |
| Linerless Turret Rewinder              | Optional                | Optional                | Optional                | Optional                |
| Automatic Unwind System (Butt Splicer) | Optional                | Optional                | Optional                | Optional                |
| Gravure                                | Optional                | Optional                | Optional                | Optional                |
| <b>Cohesio Specification</b>           |                         |                         |                         |                         |
| Flexo stations (up to 2)               | Optional                | Optional                | Optional                | Optional                |
| <b>Labeline Specification</b>          |                         |                         |                         |                         |
| Flexo stations (up to 12)              | Optional                | Optional                | Optional                | -                       |

\* Only the Cohesio is available in this width

\*\* Wider size available upon request

## Partnership and Services

ETI helps its customers to maintain a competitive edge. Our partnership program helps in trend setting and makes sure to keep you ahead. Amongst other things, you will benefit from the following advantages:

- Lifetime technical support program
- Regular equipment maintenance
- Regular equipment upgrades with every innovation from our R & D Department
- Equipment optimization and new strategy development counseling

Please contact us for further information on this program.

## International Label Group



International Label Group

When becoming an ETI customer, you can join ILG, a non-profit organization that brings together ETI technology users from all around the world. This network is used for the exchange of information on various subjects of common interest.

For more information please visit:  
<http://internationallabelgroup.org/>

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