

<http://www.eticonverting.com>



METRONOME S.W.P.

Register and set-up
while the machine is stopped

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.

METRONOME S.W.P.

Short Web Path

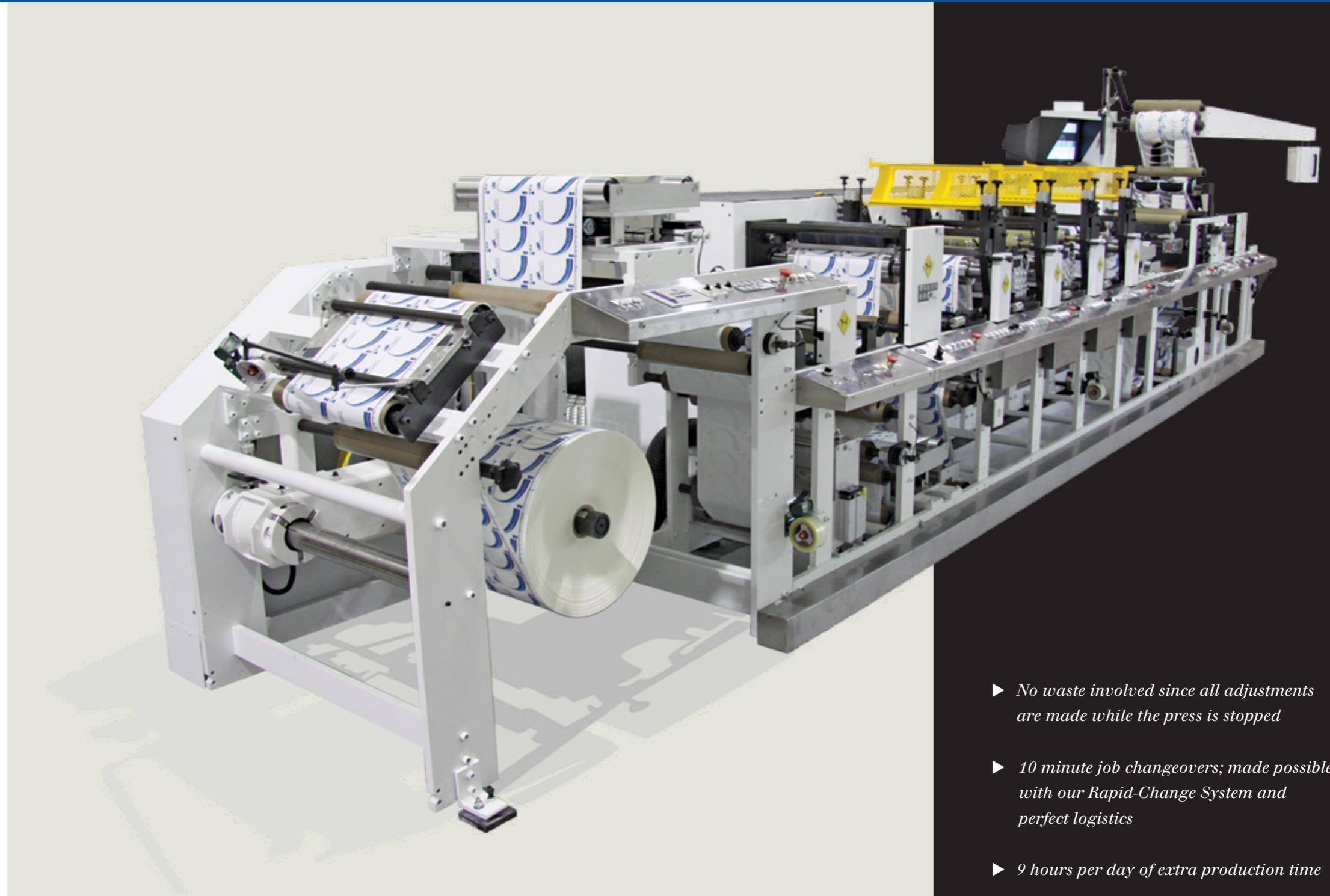
In a highly competitive world, manufacturers need all the technical edge they can get. ETI has a solution: the Metronome SWP, a turn key printing press with a shorter web path. Compete in markets such as cosmetics, food packaging, beverages, media and much more. The flexibility of adding components and the ease of changeovers not only provide the extra edge over the competition but also increase the production.

Set-up*

Traditional System	Metronome SWP
2 Shifts-16 Hours 5 Set-up / day	2 Shifts-16 Hours 5 Set-up / day
Average 2 Hours / Set-up	10 Minutes / Set-up
Approx. 10 Hours / day Downtime	1 Hour / day Downtime
6 Hours / day Production	15 Hours / day Production
2 to 5 Traditional presses	1 Metronome SWP

250% More Productivity

* Based on an 8-colour printing press with a die station unit



- ▶ No waste involved since all adjustments are made while the press is stopped
- ▶ 10 minute job changeovers; made possible with our Rapid-Change System and perfect logistics
- ▶ 9 hours per day of extra production time

Technology

ADR

Automatic Digital Register

The register is automatically controlled through a digital system. There is also a pre-registration function.

TESS

Tension Extended-Surface System

An innovative closed-loop progressive tension control system, enables to print on unsupported filmic material such as 12 microns BOPP.

Auto Peel-Off

Automatic waste stripping, without having to stop the press. No more risk of paper tearing during the peel off. The auto peel-off unit eliminates the waste produced by slowing down the press for lifting of the waste matrix.

Savings: Based on 10 peel-off per day and 10 avoided machine stops per day, 465 MSI (300m²) are saved on waste per day.*

Savings on Waste

**Savings generated by the SAPS, the Auto Peel-Off and the TESS reach 765 MSI (500 m²) per day.*
Imagine the annual savings!**

* Based on an 8-colour printing press with a die station unit



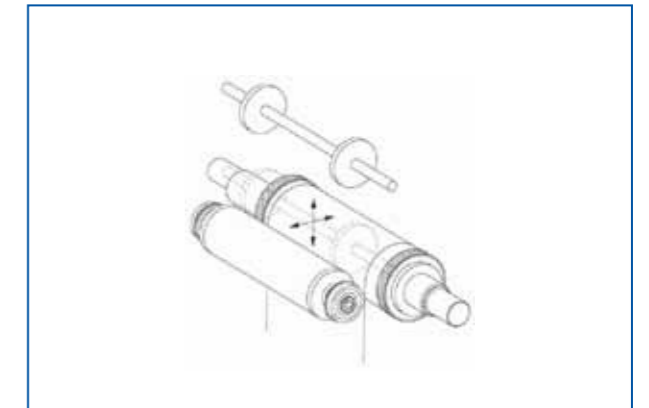
SAPS

Self-Aligning Pressure Setting System

The SAPS eliminates the need to set the printing pressure while running, saving time at every changeover. Align automatically and on any substrate the pressure between the plate cylinder, the anilox and the impression cylinder.

First, the gauge naturally falls onto the material (paper, film, carton, etc.) and the anilox cylinder. Second, the plate cylinder holder is locked in the right position, in reference to the gauge. Third, the gauge is removed from the holder and replaced by the plate cylinder. Finally, the plate cylinder is perfectly aligned and ready to go.

Savings: 5 running meters per station.



SAPS

Self-Aligning Pressure Setting System

Smart Cassettes

A cart is used as a mobile warehouse in between the job changeovers. The cassettes to be changed are slid on the cart and replaced by new ones, which were previously prepared and stored on the cart. While the press is running, all the tools used for the previous job are cleaned-up and prepared for the next job rotation.

High Quality Flexo Printing for Film, Pressure Sensitive Material and Cardboard

Design

The innovative flexo press gains in efficiency with servo motorized impression rolls at each station. The sophisticated scratch free turn bar allows the printing on both sides of transparent films.



Multi-colour press



Printing stations with registration light indicators



Productivity & Simplicity

The changing of ETI cassettes also increases productivity because it is so simple and done in seconds. Take advantage of the pre-mounted doctor blades, saving time with every change. 10 minute changeovers.



Sliding and accessible tools for faster changeovers

Versatility

Anilox cassettes can be replaced by die-cutting cassettes, silk screen cassettes and by hot and cold stamping devices. You can also add units at anytime such as: gravure (ETI Helios), offset (ETI offset-OM), in-line silicone and adhesive coating (ETI Cohesio & ETI Labeline).



More flexibility

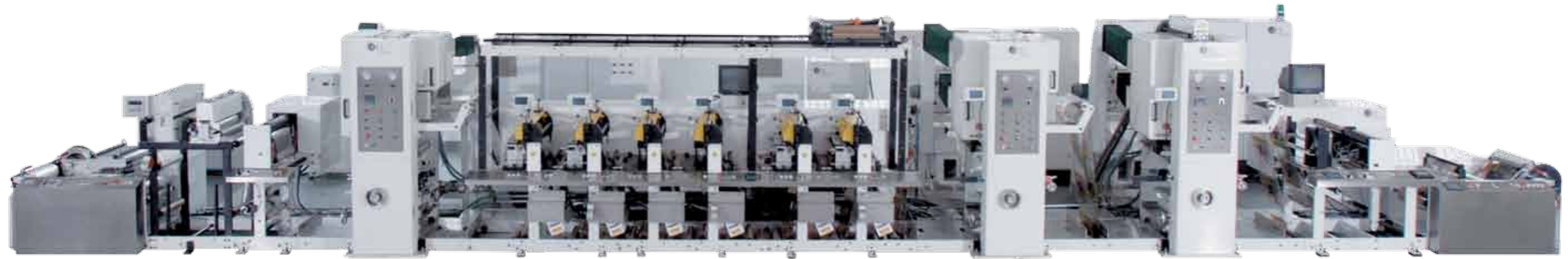
Economy

Enjoy competitive prices on the purchase of a flexo press without any compromise on quality. Metronome SWP applies the “less is more” principle to generate less waste when stopping and starting.



ETI-Blade

From a Flexo Press to a Label Manufacturing Line (Labeline)



Transform your Metronome SWP printing press into a Labeline. Print and integrate your silicone and adhesive coating in-line producing a complete label. Leave your competition way behind with this patented technology.

More Metronome SWP advantages

- Automatic register monitoring while the press is stopped – no waste
- Unique interchangeable cassette system for all printing and converting stations

- Entirely servo driven
- The Corona Plasma Optimum system from ETI consists of treating the surface of substrates to enhance the bonding of adhesive, ink (UV or water base), or any other coatings, eliminating the necessity to purchase pre-treated films from traditional film suppliers
- ETI-Blade ensures high quality printing, increases productivity, and is easy to handle
- Flexo printing head frames 50 mm (vibration free)
- Unsupported film (printing on PE and BOPP)
- High speed drying capacity (Hot air and UV curing)
- Anilox cassette changeover in 10 seconds
- Servo motorized cooling drums for higher UV curing performance
- Complete automatic register system for all printing and converting stations
- Horizontal dual die-cutting with cassettes, 10 second changeover
- Production speed of 150 meters per minute on any packaging material
- Chromium steel impression rolls
- Constant and accurate registration during acceleration and deceleration
- Minimum waste during set-up



The Metronome SWP Allows:

- ▶ The printing of films for the packaging industry
- ▶ The printing of facestock that will later be transformed into pressure sensitive material on the Cohesio
- ▶ The traditional printing and die cutting of pressure sensitive material
- ▶ Second-pass printing in-register

The Metronome SWP features an in-register die-cutting station and sheeter, stacker and folder modules and can be retrofitted into a Labeline, a technology integrating the adhesive and silicone coating and the lamination into pressure sensitive material.

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.

MODEL	1300	1600	2000
Max Print Width	12¾" or 324 mm	16¼" or 413 mm	20¼" or 514 mm
Max Web Width	13" or 330 mm	16½" or 419 mm	20½" or 520 mm
Max Mechanical speed	500 ft/min 150 m/min	500 ft/min 150 m/min	500 ft/min 150 m/min
Gearing	1/8" 3.18 mm	1/8" 3.18 mm	1/8" 3.18 mm
Printing Repeat	11" - 24" 279 - 610 mm	11" - 24" 279 - 610 mm	11" - 24" 279 - 610 mm
Tension Control	Included	Included	Included
Auto Peel-Off System	*Included	*Included	*Included
Complete automatic register system	Included	Included	Included
Dual Horizontal Die-Cut	Optional	Optional	Optional
Foil stamping, lamination Module	Optional	Optional	Optional
Waste rewinder module	Optional	Optional	Optional
A4 & US Letter Size Sheeting Module	Optional	Optional	Optional
Variable Sheeter Module	Optional	Optional	Optional
Batcher Stacker Module	Optional	Optional	Optional
Folder Module	Optional	Optional	Optional
Silk Screen Module	Optional	Optional	Optional
Adjustable anvil unit	Optional	Optional	Optional
Gravure	Optional	Optional	Optional

* With the purchase of Dual Horizontal Die-Cut

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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