


CONTIWEB

CONTIWEB THALLO


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THALLO

solutions to impress



Why choose web offset?

Web offset is a well-established and proven process that offers numerous key advantages over other print processes like flexo, gravure and digital for a wide range of label and packaging applications.

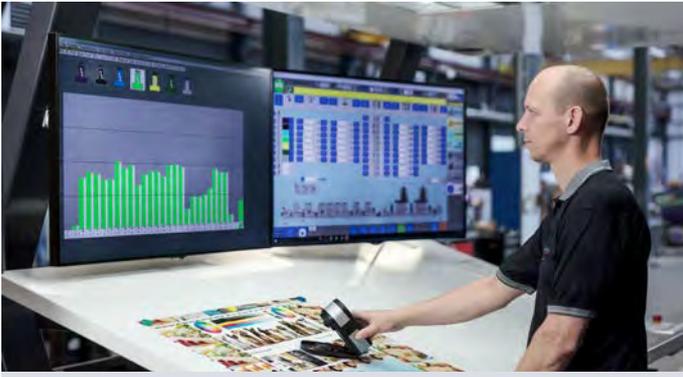
Cost Advantages

The variety of packaging on the retail shelves today is much different to that of ten years ago. The difference can be seen in the enormous variety of flavours, pack sizes, regional, seasonal and promotional packages, resulting in average order sizes for converters having dropped dramatically in recent years. Here the challenge lies with the converters and the brand owners alike, converters still need to make a profit on shorter runs and brand owners want to make regular design changes without incurring the expensive set-up costs associated with flexo and rotogravure.

The Contiweb Thallo addresses these issues head on and excels in runs that are too short for profitability with flexo and gravure processes but too long to be economically viable on digital. Offset printing plates cost a fraction of flexo photopolymer plates and gravure cylinders. Another advantage is the short time frame in which offset plates can be made, with offset a plate can be on the machine ready to print within minutes of a new image file being received, compared to hours, days or even weeks with other processes. This provides an opportunity for converters to cut the costs of inventory for gravure cylinders and/or photopolymer plates and for brand owners to react quickly to competitive marketing campaigns or sporting/social events.

Why choose web offset?

- Cost advantages
- Quality
- Food safety
- Sustainability



Quality

In a fast-paced consumer driven world, the majority of buying decisions are made in a single second at the point of purchase. Brand owners recognize the importance of standing out amongst the crowd and seek high-quality, eye-catching visual graphics for their products. Web offset printing offers the highest levels of print quality. High line screens and screening techniques such as FM (stochastic) screening can be used to produce stunning photo realistic images which provide that all important 'shelf appeal'. Web offset printing is an extremely well-established and repeatable process that is unmatched in terms of colour reproduction and proof matching.

Moreover, with the pre press process integrated in house, web offset offers printers and brand owners will have the unique possibility to standardize all print-related processes at different production locations around the world. The Thallo technology is offering a predictable, stable and reproducible printing and colour quality, based on independent and internationally-acknowledged standards (e.g. ISO-12647 and ISO 15339).

As legislation and regulations are becoming more strict, Thallo users are prepared for the future.

Food Safety

Migration of inks is a primary concern for brand owners and converters. Even the slightest hint of change on a packed product could transform into a major disaster and cause long term damage to a brand.

EB/UV offset has proven to be a working and verified solution to all converters printing for the food industry with a wide variety of proven chemistries (inks and coatings) and curing solutions available.



Flexibility

Flexibility and responsiveness are values of the utmost importance to converters and brand owners alike. In a fast paced and ever changing market 'just enough' and 'just in time' are the order of the day.

Web offset printing gives converters the opportunity to fulfil these values. A completely new job can be on the press within minutes without the need to wait for flexo plates or cylinders, meaning that speed to market has never been so quick. Not only that, it also provides flexibility in production while eliminating the need of carrying expensive stock, dramatically reduces set-up costs and makes shorter runs lengths economically viable.

Sustainability

Increasing environmental awareness, legislation, pressure from consumers, NGO's and shareholders have all resulted in 'sustainability' and 'social responsibility' being at the very top of all brand owners' corporate objectives. Compared to other processes, web offset provides an environmentally friendly process without residual ink waste or solvents and is a proven to be a VOC-free printing technique (Volatile Organic Compound).





Contiweb Thallo

The Contiweb Thallo is a hybrid web offset printing system designed for the production of high-quality film, foil, paper and board based label, packaging and security print applications. Available in a range of web widths, the Thallo system addresses market demands for shorter runs while offering the highest print quality to increase the visibility of your customers' brand.

Next Generation

The Thallo is an initiative by Contiweb and DG press building on a wealth of experience in offset printing. The combination of DG press experience of over 25 years in designing, building and servicing web offset machines for packaging and the long offset legacy of Contiweb results in a very strong and knowledgeable partnership with a long term commitment to the market.

Why choose Thallo?

- High print quality
- Maximum flexibility
- Optimal costs



Sleeve Offset

Sleeve offset technology allows you to print web offset on variable sizes (repeats). This technology allows you to easily change sizes without having to change the unit or 'print cartridge'; a very cost-effective way of printing different repeat lengths. Changing sleeves is quick and easy and a new job can be started in just a few minutes. Any repeat range is possible between 406-762mm (16-30"). (Other size ranges are available upon request).

The Contiweb Thallo offers a re-designed sleeve technology which results in longer sleeve life and improved repeatability at a more competitive price.

Benefits

- Quick job changeover
- Economical printing of different repeats
- Contiweb Thallo designed to allow converters to use their existing offset sleeves

Lean Production

One of the primary targets of the Contiweb Thallo was how it could contribute to a lean production environment. Every small detail of this system has been optimized for up-time of the press while also maximizing output and minimizing waste.

Benefits

- Simplified first line maintenance
- Ergonomic design with easy access for cleaning
- Optional stainless steel covers



Hybrid Offset

The Contiweb Thallo is designed on a modular inline platform which enables maximum flexibility and future proofing. This modular hybrid system allows converters to combine all the benefits of web offset with the inherent advantages that flexo, gravure and digital can offer. This results in a truly flexible investment that not only meets today's tough market demands but can also be easily adapted to meet changes in market demands in the future.

Benefits

- Flexible configurations
- Hybrid solutions - combining the best attributes of each print process
- Future proofing - easily reconfigurable

Web Tension

The Contiweb Thallo is equipped with the latest technology in motion control allowing for complete control of web tension and substrate flow throughout the machine. This precise control increases the ability to print on a greater range of substrates.

Benefits

- Independent web transport and press warm-up
- Fast start - the press immediately goes to production speed
- Web re-use - during setup, the web can automatically be run backwards (rewound), making optimal use of an expensive substrate
- Printing on the most sensitive unsupported film substrates



Enhanced Operator Control

The Contiweb Thallo offers an intuitive user-friendly interface with detailed feedback on both the performance and operation of the press. This makes the press accessible and easy to use.

Work-flow Solution

The Thallo is prepared to provide extra information to reporting tools. It generates detailed information while logging data that is important to various layers of the organization that helps in analyzing production methods, helps planning your production and reduce machine breakdowns.



Optional Equipment

The Contiweb Thallo can be equipped with optional equipment of the OEM supplier of your preference. The system supports:

- Non-stop splicers
- Contact and non-contact cleaners
- Corona treaters
- Insetting / 2nd pass
- Flexo units (water, solvent, UV-based)
- Thallo flexo inserts (for combination offset/flexo unit)
- Rotogravure units
- Digital
- Curing and drying system (EB / UV / Hot air / (N)IR)
- Closed loop colour control systems
- 100% inspection control systems
- Automatic blanket washing systems
- Die-cutting modules
- Laminating modules





Versatile Security Print Applications

Protecting products from forgery, tampering or counterfeiting has become a key element in today's printing industry. Print offers many technical methods to guarantee product and document authenticity. The more valuable the product, the more necessary it is to use complex print applications to protect it.

The Contiweb Thallo offers a unique modular press platform that offers an unlimited flexibility and compatibility with a wide range of polymer and paper-based substrates. Combining flexo, gravure, screen, and digital printing with the powerful Thallo offset print units, and the various finishing options, allows you to create extensive anti-counterfeit features to protect any document or product label.

The Thallo offset printing unit can run in wet offset, dry offset, rainbow print and UV flexo mode offering increased flexibility.

Options include, but are not limited to:

- Wet offset printing
- Dry offset printing
- Rainbow printing
- Flexo printing using water based, solvent based, UV or EB inks
- Gravure printing using water based, solvent based or UV inks
- Screen printing using water based or UV inks
- Digital printing using water based or UV inks
- Mechanical numbering
- Lamination
- Hot/Cold foiling
- Die cutting
- Perforation (cross & length direction)
- Line-hole punching
- Turner bars
- Registering front & backside, on watermark, on pre-printed material
- Sheeter
- Folder
- Rewinder

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Specifications

Thallo 520

Thallo 850

Thallo 1050

Web Width	520 mm (20.5")	850 mm (33.5")	1050 mm (41.375")
Max. Print Width	510 mm (20.1")	840 mm (33.1")	1040 mm (40.1")
Max. Printing Speed	400 m/min 1,312 ft/min	400 m/min 1,312 ft/min	400 m/min 1,312 ft/min
Repeat Range	406 – 762 mm 16 – 30"	406 – 762 mm 16 – 30"	406 – 762 mm 16 – 30"
Repeat Steps	Stepless	Stepless	Stepless
Material Range – Flexible & Labels	12 – 200 µm*	12 – 200 µm*	12 – 200 µm*
Material Range – Board	up to 762 µm/30 pts	up to 762 µm/30 pts	up to 762 µm/30 pts

Substrates

The Contiweb Thallo can print on virtually all packaging substrates including common film substrates like PET, OPP, BOPP, PE, LDPE, MET/PET, coated and uncoated papers, paperboard and metal foils along with most common multi-layer laminates.

*Heavier substrates are available on request.

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