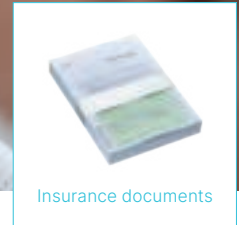
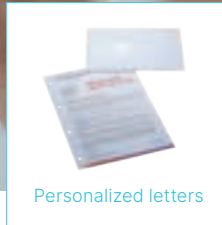
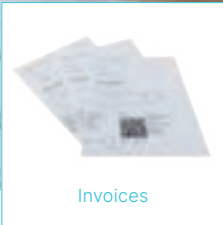


Digital Print Finishing



Transactional

Transactional documents convey confidential, sensitive information. 100% quality control with zero defects are the highest priority. Financial institutions, insurance agencies, utilities as well as outsourcing data centers rely on Hunkeler to ensure that the right document reaches the right recipient.

Roll to roll solution

The Hunkeler roll to roll solution with different configurations for continuous feed digital presses. High-speed Hunkeler Unwinder UW8 and Rewinder RW8 ensure efficient, productive downstream processing in the transactional, direct mail, print-on-demand and packaging segments, coupled with inserters and other finishing systems. The nonstop roll to roll solution you will find on page 10 of this brochure.

Speed	up to 833 ft/min
Web width	6.5" – 22.5"
Paper weight	40 – 300 gsm
Max. roll diameter	54"
Max. roll weight	1984 lbs

Options: Web Inspection WI8, Web cleaner PEM and iPEM, Different core shafts, Slack Web, Tight Web, Tension, Center cut and Edge trim in Rewinder RW8, Roll transport trolley



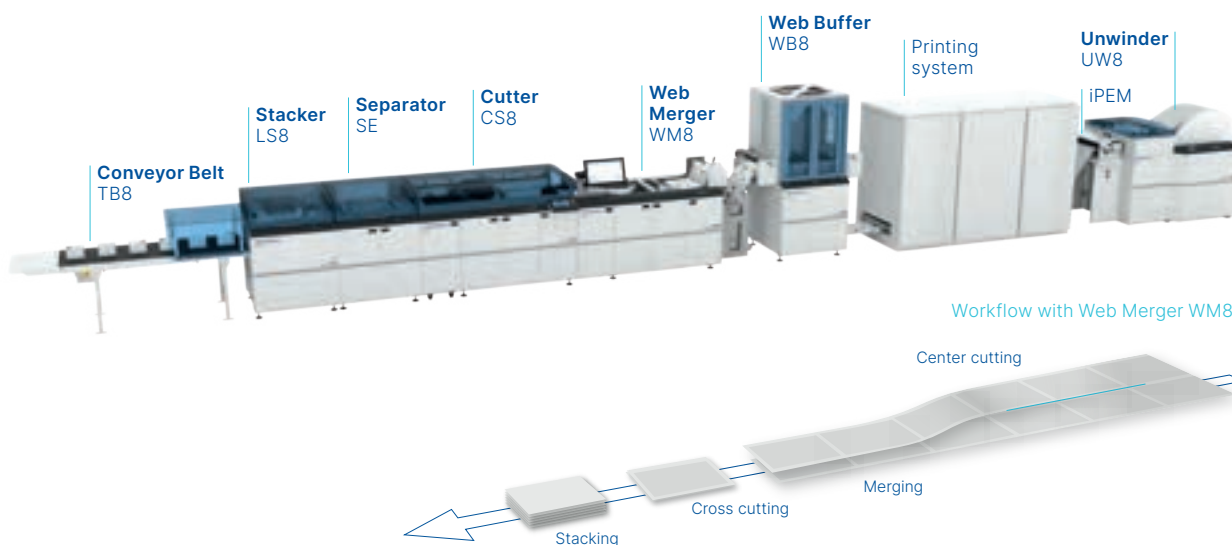


Roll to stack solution

High-performance Generation 8 finishing solution for the roll to merged stack production. The web is fed from the printing system via the Web Buffer WB8 web accumulator (only for inline operation) to the Web Merger WM8 and slit lengthwise. An edge trim can also be performed at the same time. The two halves of the web are then superimposed in the Web Merger and fed to the Length- and Cross Cutter CS8. During the merging process, the right half of the web can be placed either under or over the left half of the web.

Speed	up to 590 ft/min
Web width	16" – 22.5"
Paper weight	60 – 130 gsm
Stack height	up to 10"
Format length	5" – 19"
Variable chip out	¼" – 1"

Options: DynaCut, Tracking, Stacker LS8-30



Roll to fan-fold solution

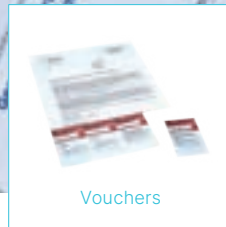
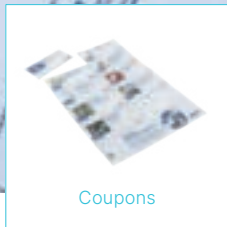
From an unprinted roll to continuous folded stacks in the Fanfolder FS6. In 2-up production, the Dynamic Processor DP8 can individually process each half of the web with variable perforation and punching patterns from copy to copy. Combined use of different functions such as static and dynamic perforation or scoring in the vertical and cross direction, dynamic file hole punching, and folding perforation are possible in a single module. Continuous folding of the perforated web thanks to the Fanfolder FS6 with High Capacity Stacker.

Speed	up to 720 ft/min
Web width	8" – 20.5"
Paper weight	56 – 160 gsm
Stack height	up to 39.4"
Fold height	7" – 17"

Options FS6: Shingle Belt Delivery, High Capacity Stacker, Stack Cart System, Stack Turner

Options PP6: File hole punching, Register mark printing, Edge punching, Different cross perforation cylinders





Transpromo

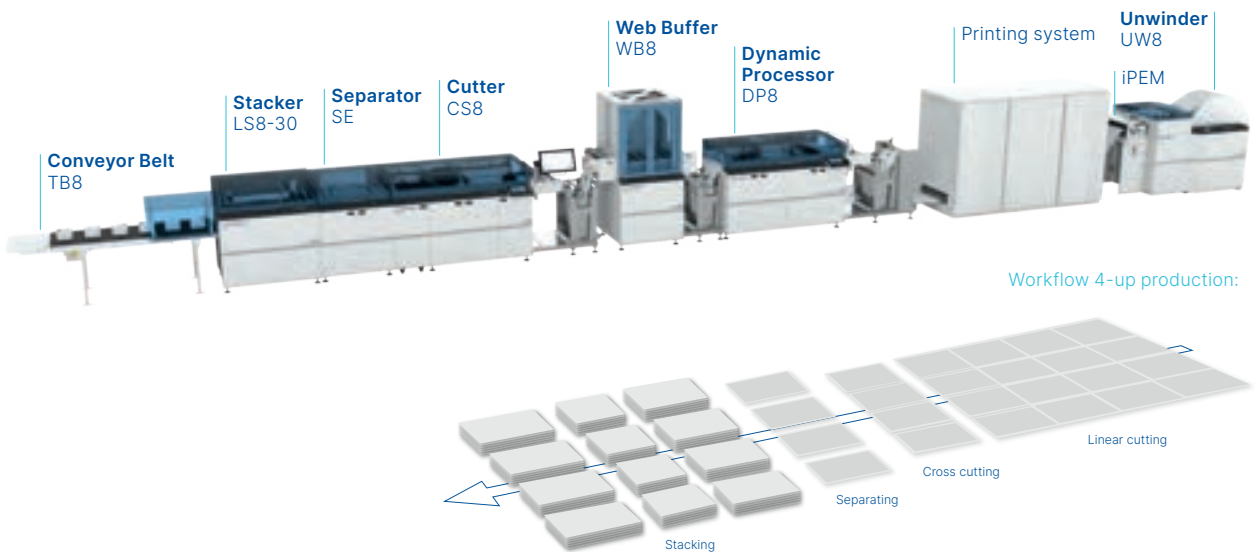
Transpromo revalues transactional. Personalized advertising messages integrated into invoices address customer needs and increase customer loyalty. The variable design of vouchers and loyalty cards, customized to recipients, can further enhance value-add.

Roll to stack solution with Dynamic Processor DP8

Variable general-purpose roll to stack solution from a white roll to loose-leaf sheet stacks in 1-up to 4-up impositioning. The modular design of the Dynamic Processor DP8 allows dynamic linear- and cross perforating, dynamic cross scoring, static linear scoring and dynamic punching – all in one module. In 2-up production, the Dynamic Processor DP8 can individually process each half of the web with variable perforation and punching patterns from copy to copy.

Speed	up to 590 ft/min
Web width	8" – 20.5"
Paper weight	40 – 300 gsm
Stack height	up to 10"
Variable chip out	¼" – 2"
Format length	5" – 30" (B2+)

Options: DynaCut, Stacker LS8, Web Merger WM8, Web Folder WF8



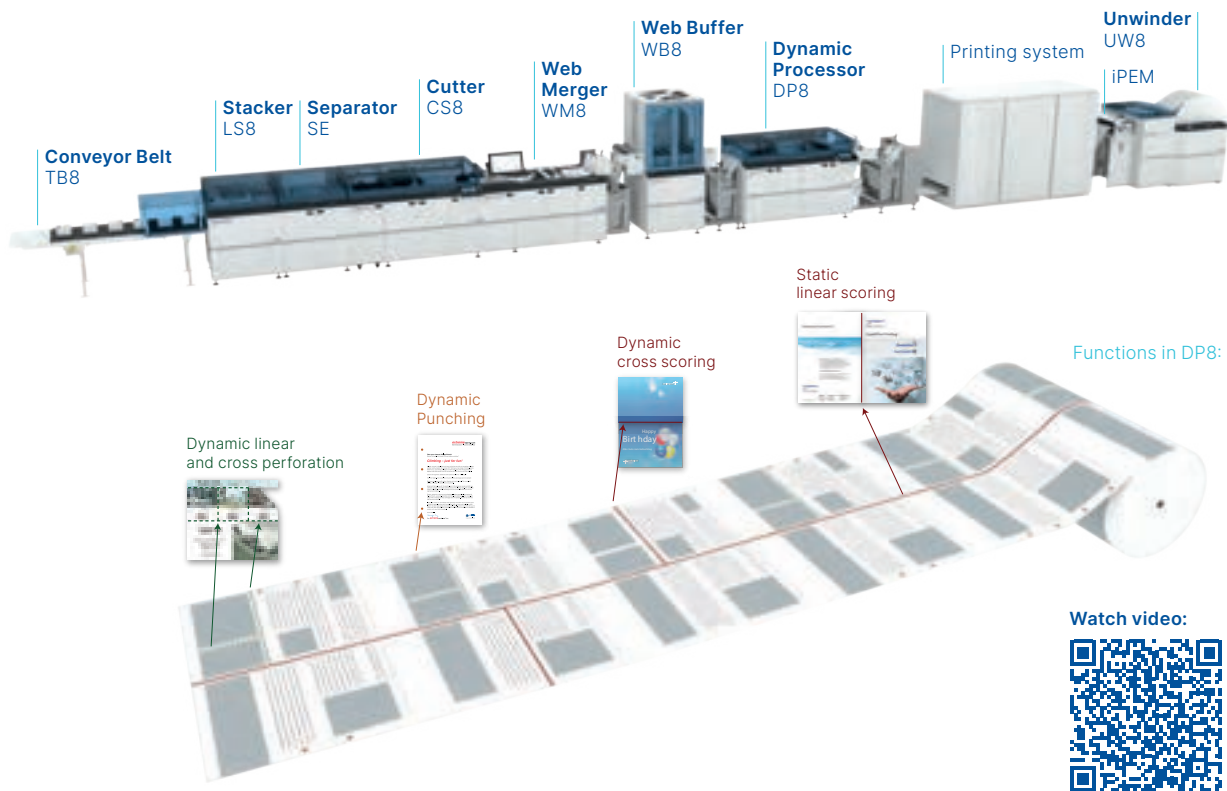


Roll to stack solution with Web Merger WM8

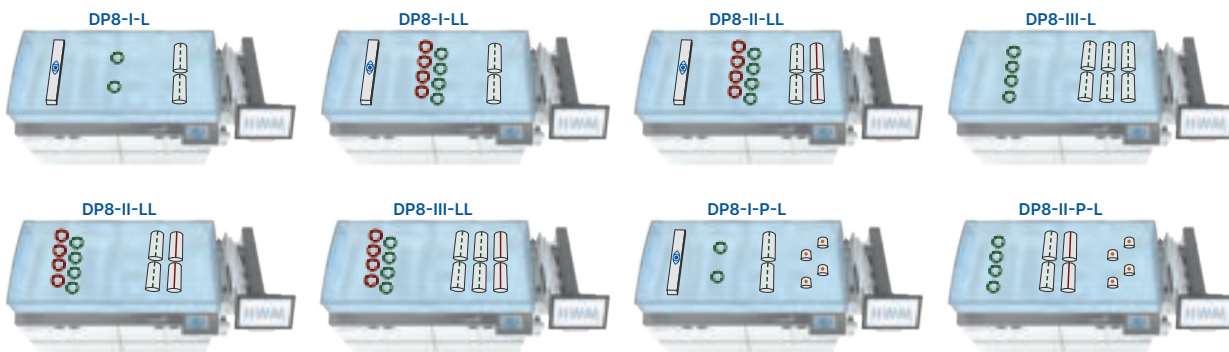
The paper web provided by the Unwinder UW8 (nearline) or the printing system via the Web Buffer WB8 (for inline applications) is pulled in by the Web Merger WM8 and cut in the center. The edges can be trimmed simultaneously. After that, the two web halves are placed on top of one another in the merger and fed to the cross cutter. The Dynamic Processor DP8 also allows the production of individual coupons and vouchers. Reliable processing of demanding products in full-color printing on coated and uncoated standard papers.

Speed	up to 590 ft/min
Web width	16" – 20.5"
Paper weight	60 – 130 gsm
Stack height	up to 10"
Variable chip out	¼" – 1"
Format length	5" – 19"

Options: DynaCut, Gutter cut, Stacker LS8-30, Web Folder WF8



Configuration options in Dynamic Processor DP8:



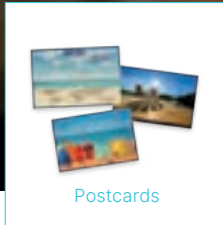
- Linear perforation
- Cross perforation
- Linear scoring
- Cross scoring
- Punching
- W18 Web Inspection



Self mailer



Flyer



Postcards

Direct Mail

Printed direct mail has a proven return on investment, especially when coupled with multi-channel marketing programs. Creative design and personalization are a powerful combination to drive direct mail response rates higher.

Nonstop roll to roll solution

Nonstop roll to roll solution at high production speeds up to 243 m/min. On-the-fly roll change on the Roll Splicer RS8 and Turret Rewinder TR8. Nonstop roll change in a wide variety of paper weights ranging from 50 to 300 gsm. Increase in productivity of up to 30% compared to manual roll change, depending on print speed and roll length.

Options: Web Inspection W18, Web cleaner PEM

Speed	up to 800 ft/min
Web width	RS8: 5" – 22" TR8: 11" – 22"
Paper weight	50 – 300 gsm
Max. roll diameter	50"
Max. roll weight	2 000 lbs



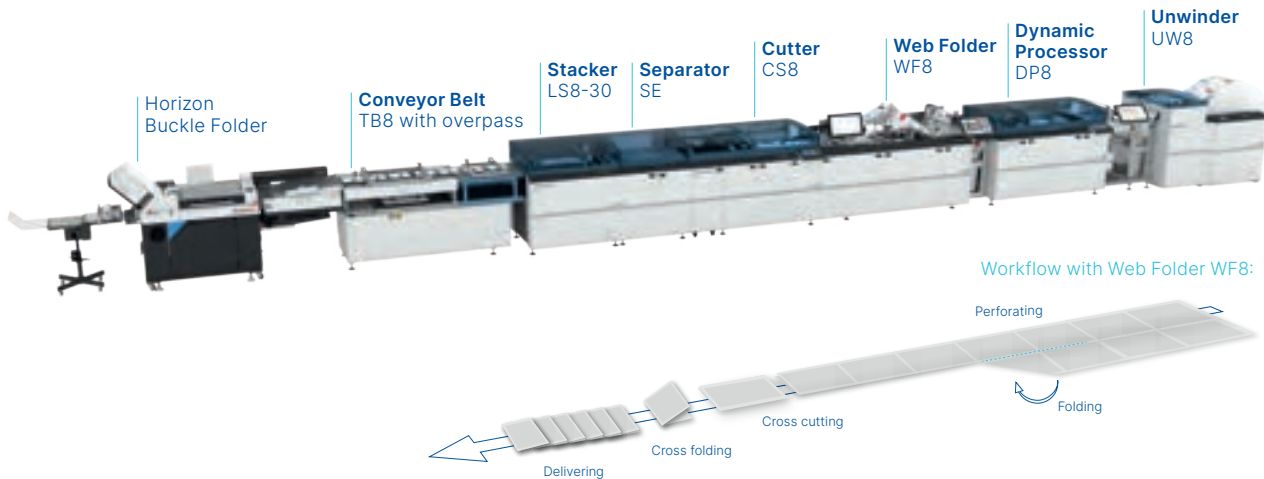


Roll to buckle-fold solution with Stacker LS8-30

Production of direct mail postcards, self mailers, newsletters or inserts, from pre-printed roll to folded end-product. Dynamic linear- and cross perforating, dynamic cross scoring, static linear scoring in the Dynamic Processor DP8 with optional dynamic punching. The paper web is linear merged or folded, registered, superimposed in the Web Folder WF8. Cross cut and chip out in the subsequent Length- and Cross Cutter CS8. Stacking of the sheets in the Stacker LS8 or transfer in the sheet overpass of the Conveyor Belt TB8 into the buckle folder.

Speed	up to 590 ft/min
Web width	10" – 20.5"
Paper weight	60 – 130 gsm
Format length	5" – 30" (B2+)
Stack height	10"
Variable chip out	¼" – 1"

Options: DynaCut, Stacker LS8



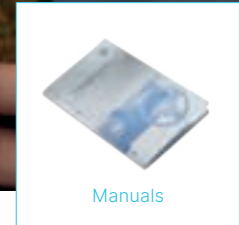
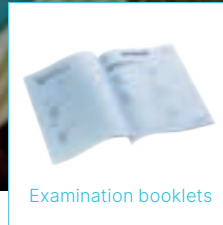
Roll to buckle-fold solution with optional Stream Delivery

Production of Direct-Mailings with coupons and included reply-cards. Dynamically controlled cross and vertical perforations or scoring in a Dynamic Processor DP8. Subsequent cross cutting in the Length- and Cross Cutter CS8. Double cross-cutting cylinder for chip out on printed materials with full-bleed layouts or for an optional cross perforation. Transfer of the sheets to a buckle folder or alternative output to the new Stream Delivery by rolling away the folder and attaching the moveable Stream Delivery.

Speed	up to 330 ft/min
Web width	8" – 20.5"
Paper weight	60 – 300 gsm
Format length	5.5" – 62"
Variable chip out	¼" – 2"

Options: Web Folder WF8, Web Merger WM8





Commercial

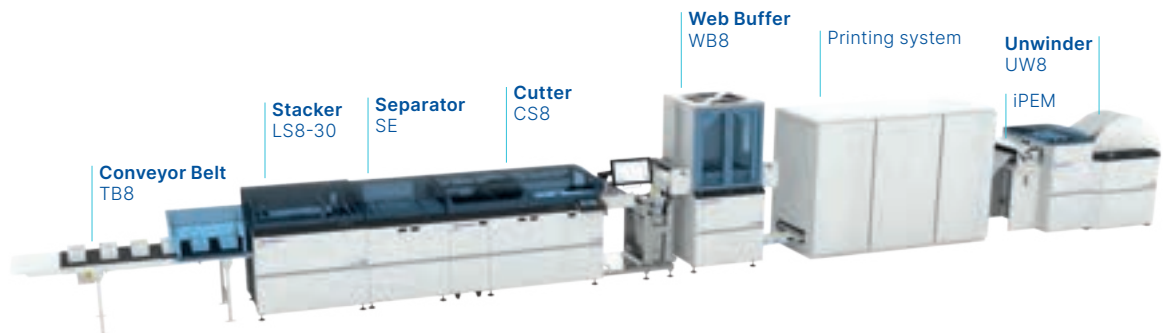
Various Hunkeler solutions can be combined with partner products to produce a wide range of commercial end-products such as brochures, annual reports, newsletters, documentation and invitations. With Hunkeler Digital Print Finishing, each product can be customized or personalized.

Roll to stack solution with Stacker LS8-30

High-performance Generation 8 finishing solution for roll to stack production. DynaCut function for variable format production allows on-the-fly cut-off length changes from up to 30" (B2+ format). Reliable processing of demanding products in full-color on coated and uncoated standard paper, from light-weight to heavyweight grammages. Depending on the format, production from 1-up to 4-up imposition are possible.

Speed	up to 590 ft/min
Web width	8" – 22.5"
Paper weight	40 – 300 gsm
Stack height	up to 10"
Variable chip out	¼" – 2"
Format length	5" – 30" (B2+)

Options: DynaCut, Stacker LS8, Web Merger WM8, Dynamic Processor DP8



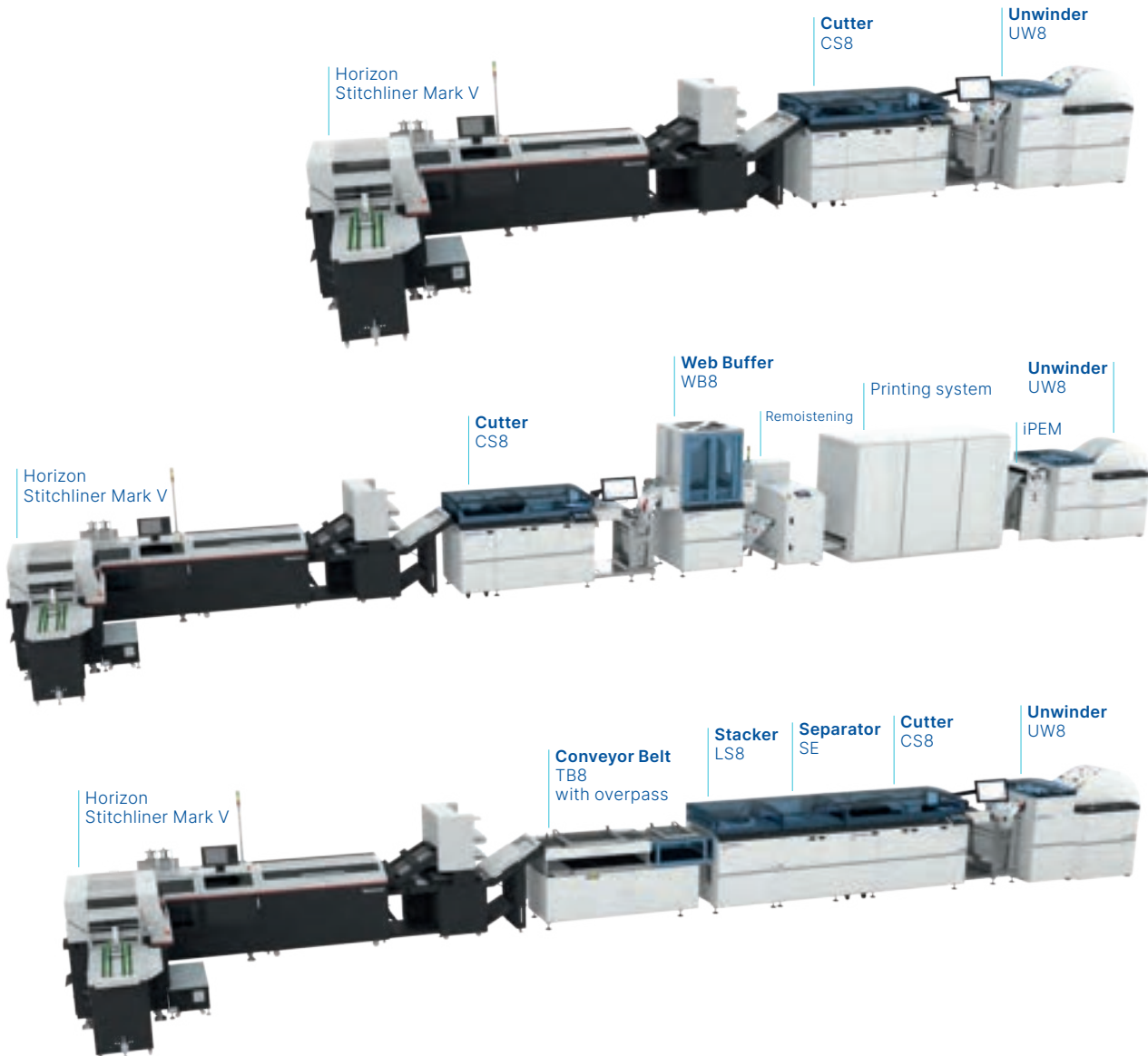


Roll to stitch solutions

Depending on the configuration, these partner solutions can be used to produce either loose-leaf stacks for perfect-bound books or wire-stitched brochures. The central components are the Length- and Cross Cutter CS8 and the sheet overpass on the Conveyor Belt TB8. Following the cross cut, either signatures are transferred for the inline stitching process or cut-sheets are stacked on the Conveyor Belt TB8 for nearline book production. The moveable sheet overpass allows for fast and simple changeover between the two processes.

Speed	up to 656 ft/min
Web width	8" – 22.5"
Paper weight	40 – 300 gsm
Format length	5" – 19"

Options: Inline or nearline solutions, DynaCut, Dynamic cross perforation, Tracking, Dynamic Processor DP8

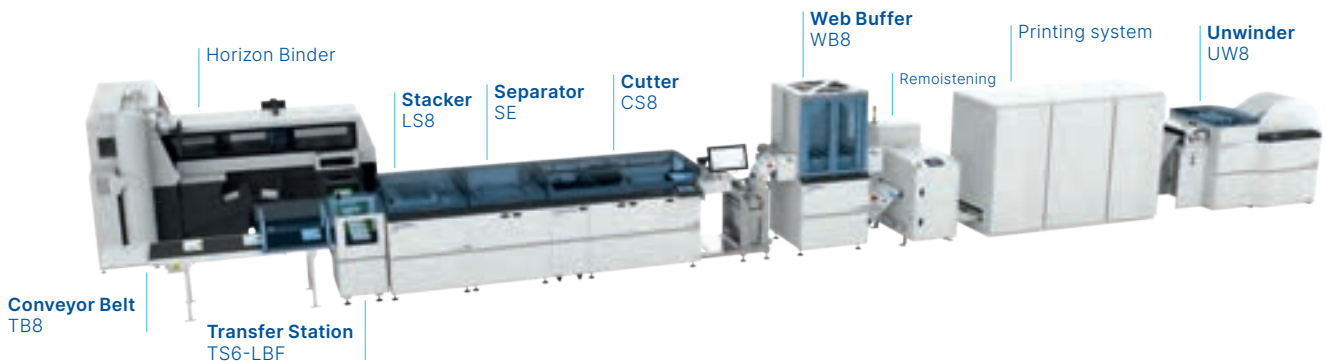


Roll to stack solution with longsheet-tray

The modular Hunkeler roll to stack solution for stacked sheet output with continuous feed digital printing systems. Innovative nonstop stacker with rotary single cut sheeter or variable chip out double cutter for full-bleed products. For example, cleanly offset-stacked sheets can be output for further downstream processing, such as perfect binding. Loose sheet offset stacks from 1-up to 4-up production.

Speed	up to 590 ft/min
Web width	8" – 22.5"
Paper weight	40 – 300 gsm
Format length	5" – 19"
Variable chip out	¼" – 2"

Options: Linear perforations for book signatures or tear-off perforation, Autoregister, DynaCut, Tracking



Roll to buckle-fold solution

Production of variable signatures from a roll for book production, catalogs, and magazines. Signatures can then be fed to a gathering machine, a saddle stitcher or a thread sewing machine. System is also suitable for direct mail, letter-folding or other folding applications. The dynamic and variable cross cutting unit in the Length- and Cross Cutter CS8 can be equipped either with two knives for chip out or with one cutting knife and one perforating blade for dynamic fold perforations. This allows the production of high-quality variable and flat signatures.

Speed	up to 590 ft/min
Web width	8" – 22.5"
Paper weight	40 – 300 gsm
Format length	5.5" – 62"
Fold support cross perforation	0 – 4 perforation/sheet

Options: DynaCut





Book solution with thread sewing

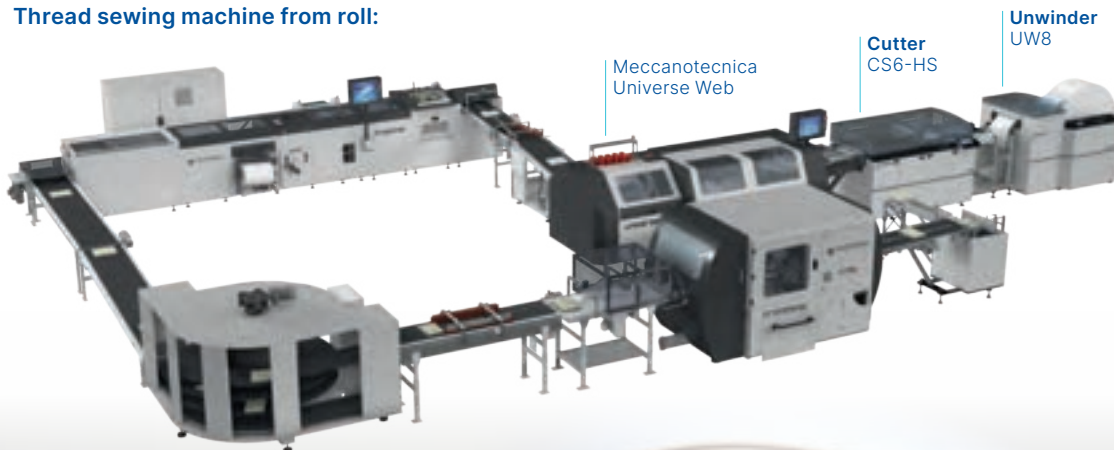
Inline premium quality book production from the printed roll. The paper is fed to the thread sewing machine from the Hunkeler Unwinder UW8 and through the Length- and Cross Cutter CS6-HS. The Universe Web book sewing machine performs several processes on-the-fly. These are creasing, folding, collecting folded sheets in 8, 12, 16 or more pages to form one signature, as well as stitching and output. All process steps are executed consecutively. The book blocks are then fed into a book production line. In this machine, the hardcover preparation is performed by applying cover sheets and gauze. The line is completed by the three-knife trimmer, that features automatic size change without changing parts.

Productivity	525 sheets/min
Web width	8" – 20.5"
Format length	5.9" – 16.5"
Max. roll diameter	54"

Thread sewing machine from sheet:



Thread sewing machine from roll:





Package leaflets

Pharma

Due to controlled web guidance and proven processing technology, Hunkeler technology ensures a stable process to produce package inserts on light paper at a high performance level. Web inspection systems with modern CIS technology guarantee error-free quality down to the smallest detail.

Roll to buckle-fold solution

Production from the roll to the finished folded package leaflet. Different end formats up to 30" format length (B2+ sheets) are possible. As an option, single-sheet stacks up to a height of 9.8" can be stacked or single sheets can be fed to a folding unit via the sheet overpass. In the Length and Cross Cutter CS8, inkjet printer color bars can be cut out automatically and the format length can be changed dynamically from sheet to sheet (DynaCut). In the Separator SE, sheets can be offset laterally and run at full speed.

Speed	up to 590 ft/min
Web width	8" – 22.5"
Paper weight	Light weight paper from 40 gsm
Format length	5" – 30" (B2+)
Variable chip out	¼" – 2"

With the optional Hunkeler Web Inspection W18, even the smallest defects can be detected and automatically rejected.

Options: DynaCut, Tracking, Linear perforation, Folder



Validated with all major printing presses.

**All solutions and technical data subject to change. Performance depends on running configuration, application, and substrates (paper). Technical data will change with different running configurations like bypassing a module, different non Hunkeler post-finishing solutions, etc.*

Hunkeler AG Paper Processing
Bahnhofstrasse 31
CH-4806 Wikon

Phone: +41 62 745 61 61
info@hunkeler.ch

Hunkeler Deutschland GmbH
Einsteinring 5
D-85609 Aschheim

Phone: +49 89 614159 0
info@hunkeler.de

Hunkeler Far East Ltd.
Room 1001, East Town Bldg.41,
Lockhart Road
Wanchai, Hong Kong
Phone: +852 2528 4082
info@hunkeler.hk

North American Distributor:
Standard Finishing Systems
10 Connector Road, Andover, MA 01810

Phone: +1 877-404-4460
www.standardfinishing.com

hunkeler.ch