

GOSS COMMUNITY SSC

SINGLE-WIDTH NEWSPAPER AND INSERT PRESS



GOSS | INTERNATIONAL



press overview

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THE GOSS® COMMUNITY SSC™ PRESS SERIES OF SINGLE-WIDTH, ONE PLATE AROUND WEB OFFSET PRESSES HAS WON POPULARITY THROUGHOUT THE WORLD FOR ITS EASE-OF-USE AND FLEXIBLE PERFORMANCE FOR NEWSPAPER COLDSET, HEATSET AND UV PRINTING APPLICATIONS.





Since the launch of the first generation Community SSC press in the 1960s, more than 40,000 units have been installed to print a wide variety of work, including daily and weekly newspapers, books, guides, color insert sections and various other newspaper and commercial products. Through continuous technical upgrades, the Goss Community SSC press has remained the market leader – the best investment choice for fine print quality, high productivity and value.

The Community SSC press is ideal for medium to low circulation printers where flexibility and high net productivity are key. Comprehensive coldset, heatset and UV printing capabilities enable the press to produce a wide variety of printing products.

Built on Goss' heritage as the first web offset manufacturer to incorporate four-high stacked printing towers, the Community SSC press has modular design and flexible configuration that makes it easy to operate and provides opportunities for future enhancements and expansions. Key features of the Community SSC include:

- **Newspaper and semi-commercial applications**
- **Heatset, coldset or UV printing capabilities**
- **Up to 35,000 impressions per hour**
- **533 mm (21"), 546 mm (21.5"), 560 mm (22"), 578 mm (22.75") cut-offs**
- **Web widths up to 889mm (35")**
- **Zero speed splicer and paster options**
- **Optional 1,270 mm (50") reel handling capacity**



- **Shaftless or conventional drives**
- **Modular Goss controls package**
- **Lever style ink fountain and running register control**
- **Slot lock-up plate cylinders**
- **Narrow gap, T-bar blanket cylinder lock-up**
- **Continuous feed dampening**
- **Choices of folders to suit a wide variety of applications**
- **High reliability and proven long press life**
- **Easy maintenance with good ergonomical access to units and folders through robust steel doors**

These features provide outstanding performance that create value for any printing business.

Goss Community SSC presses are manufactured to ISO 9001:2000 specification and incorporate leading-edge process management systems. Every press is electrically and mechanically staged and run in the Goss factory prior to shipment, ensuring system completeness and full compliance with our strict standards, as well as fast and efficient installation.





printing units

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ROBUST CONSTRUCTION, PRECISION ENGINEERING AND QUALITY RAW MATERIALS DIFFERENTIATE GOSS® COMMUNITY SSC™ PRESS UNITS FROM OTHERS IN ITS CLASS. THEY PROVIDE AN UNEQUALLED COMBINATION OF HIGH PRINT QUALITY AND COST-EFFECTIVE OPERATION.

Goss Community SSC press units incorporate high-quality gears and precision bearings mounted in proven cast iron frames to maintain stable print and constant web tension. These features, together with the short vertical web leads within the unit, help ensure stable color register in stacked configurations.

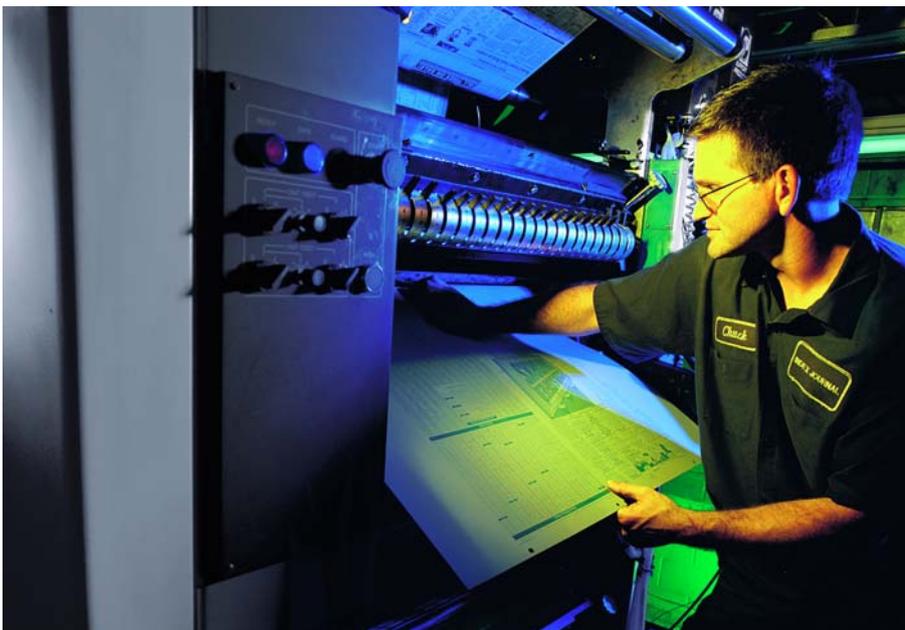
The basic unit is a four-cylinder mono configuration, which can be stacked in stages up to a four-high tower, offering full 4/4 color printing on one web or multiple webs through a four-high tower. Also available is a four-cylinder mono unit with integral reelstand. The units are equipped with pneumatic throw off/on for impression, and ink and water systems as standard. Manual operation is offered as an option.

Community SSC press units come with steel operator side doors that incorporate unit controls and centralized grease lubrication. Fiberglass operator-side housings and controls are also available on unit additions to match existing press configurations. Tower additions to existing presses are a straightforward and cost-effective route to adding pages and color for Community SSC presses.

To ensure precise registration on-the-run sidelay and circumferential register adjustments can be made from the press desk using the state-of-the-art Goss controls solution.

Standard unit features include:

- Speed up to 35,000 iph
- Calibrated lever style ink keys with swing-down fountains
- Ratchet override lever for ink fountain roller
- Continuous dampener with variable speed water pick-up pan roller
- Nylon ink pick-up roller
- Vibrator drums with Rilsan™ covering
- Plate cylinder with slot-gap lockup and center register pin
- Plate cylinder with under-cut of 0.20 mm, 0.25 mm or 0.30 mm (0.008", 0.010" or 0.012") – no pack



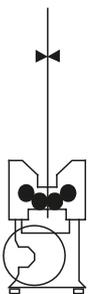
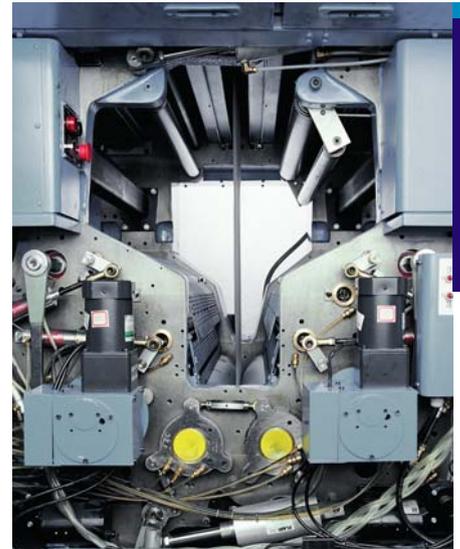


- On-the-run adjustment of 10-side plate cylinder circumferential register
- On-the-run adjustment of plate cylinder sidelay register
- Manual unit-to-unit running register adjustment for stacked units
- Blanket cylinders with T-bar blanket lock-up
- Pneumatic controls with sequential timing
- Centralized grease lubrication block
- Heavy-duty drive shaft with flex drive coupling
- Manual compensator
- Web break detector
- Fixed inter-lock nip guards to meet worldwide standards and requirements

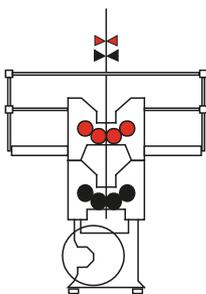
As one of the most flexible press systems available, the Goss Community SSC has a wide range of options to allow its performance to match production needs. Most options can be retrofitted during any future press enhancement provided by the Goss Lifetime Support™ customer service program.

Optional Unit Features

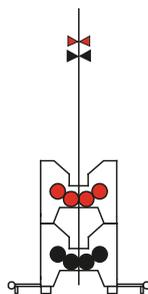
- Remote controlled inking
- Segmented fountain blades
- Motorized ink fountains
- Spiral brush or spray bar dampening
- Double register pins for running single page plates
- On-the-nose plate lock-up
- Narrow gap reel-rod blanket lock-up
- Blanket cylinders with bearers
- Motorized register adjustments
- Motorized full-page compensator
- Fan-out control
- Web severers
- Multiple webs through 2-, 3- and 4-highs
- Disc brakes with remote control tension and sidelay for mono units with integral reelstands
- Shaftless drive
- Direct printing
- Selectable units
- Reel loader
- Auto register control
- Auto cut-off control



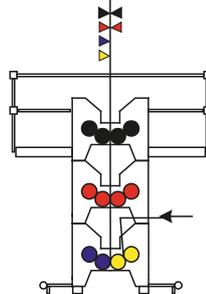
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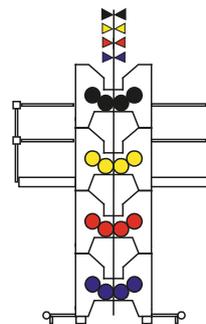
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4 page 4/2



4 page 4/4



drive systems

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THE COMMUNITY SSC™ PRESS HAS TWO DRIVE OPTIONS TO MEET DIFFERING NEEDS FOR PRESS CONFIGURATION, PRODUCT FLEXIBILITY AND MANPOWER. THESE OPTIONS ARE: FOOTPRINT SHAFTLESS AND CONVENTIONAL SHAFTED DRIVES.



Shaftless drive systems

The Community SSC shaftless drive option provides excellent control over web tension from reelstand to folder through electronically synchronized AC motors, which brings optimum control of the web position at all times with subsequent benefits in press running:

- **Easy synchronization of printing units to a folder**
- **Optimum access throughout the press**
- **Faster, easier plate changes for regional editions**
- **Reliability of AC motor drives**

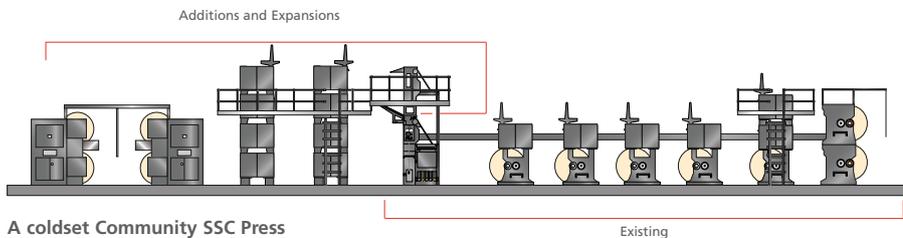
Folders are also fitted with separate drive motors, maintaining control over tension throughout the press.

For presses where complex and frequent changes of web path, color and paging are likely to be the norm, shaftless drives provide key benefits by simplifying set-up and control. Shaftless drives also make future press extensions or re-configurations simpler, providing overall flexibility and futureproofing.

With Goss® **footprint shaftless**, each printing tower and folder is driven individually, giving extra flexibility to the press configuration and easy access for new presses and press extensions.

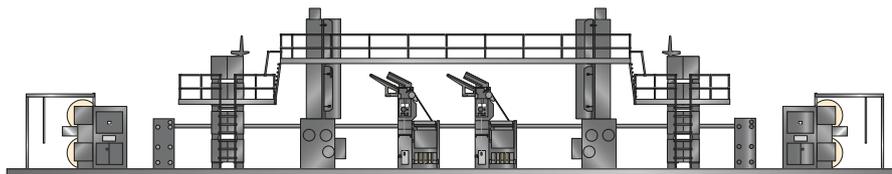
Conventional shaft drive

The conventional press drive system, with the main drive shaft for the press driven by one or more motors, has benefits for printers that have relatively uncomplicated production requirements, making it a cost-effective choice.



A coldset Community SSC Press

Existing



A heatset Community SSC Press



inking systems

THE COMMUNITY SSC PRESS HAS MULTIPLE INKING OPTIONS TO SUIT VARIOUS PRINTING APPLICATIONS AND QUALITY REQUIREMENTS: OPEN FOUNTAIN/UNDERSHOT INKING WITH LEVER OR MOTORIZED INK KEYS



This conventional inking system has been taken to the latest level of sophistication on the Goss Community SSC press. Exceptional engineering accuracy and the ability to set color density across individual printing zones results in a simple and robust system that not only delivers highly predictable and consistent quality but also is easy to clean due to the swing-away ink fountains.

The ink train has several features which support a high level of quality including a motor-driven ink fountain roller allowing better tracking of ink densities over various press speeds. This works in conjunction with knurled covered 'micrometric' pick-up and Rilsan™-coated vibrator rollers providing a smooth and consistent ink film to the printing plate at all running speeds. When the press is equipped with the level 2

controls module, remote ink key control is offered using motorized ink keys. The motorized ink keys can be pre-settable.

Dampening system

Comprising one form roller, a chrome-plated oscillating drum, a transfer roller and a motor-driven fountain roller, which can be regulated independently of press speed for precise control, the Goss Community SSC continuous-feed dampening system is reliable and easy to use. Provision has been made to connect to a dampener solution circulation system. Spiral brush or spray bar dampening is available on the Community SSC press as an optional feature.



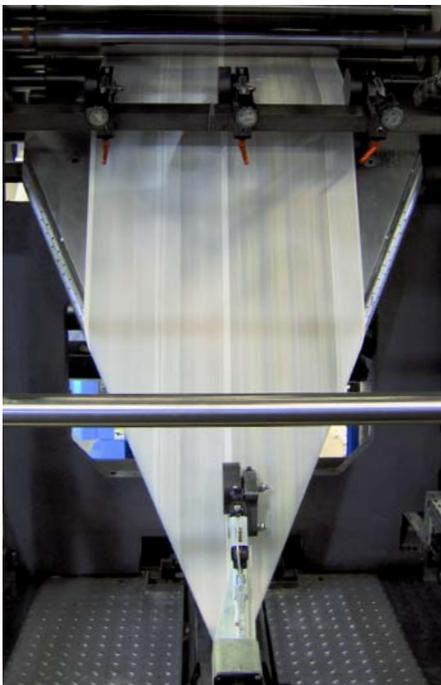


folders

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GOSS OFFERS A CHOICE OF ADVANCED FOLDERS TO SUIT TODAY'S VARIED PRODUCTION REQUIREMENTS. THEY ARE RUGGED AND MODULAR IN DESIGN, WITH REFINEMENTS DEVELOPED OVER YEARS OF PRACTICAL EXPERIENCE TO PROVIDE ACCURATE AND FLEXIBLE CAPABILITIES COMBINED WITH MAXIMUM RELIABILITY.

Making the right choice of folder is as important as choosing the right press model. Pagination, cut-off, and product variety will drive the right decision. For the Community SSC™ press, four jaw folders optimize press utilization and operational uptime for differing production environments.



Goss SSC 1:2 jaw folder

The Goss® SSC heavy-duty jaw folder folds products at speeds up to 35,000 iph. Broadsheet and tabloid folds are standard. The folder is easily adjustable for various web widths and can be set for even or lap folding as required. A chrome-plated air former is standard. The SSC folder can accommodate up to eight webs to produce a 32-page broadsheet or a 48-page tabloid product. The quarter-fold attachment can produce up to 96-page signatures from six webs. With double-parallel option, 64-page signatures from four webs can be produced.

Goss N40 1:2 jaw folder

The Goss N40 folder is ideal for press lines with up to 12 webs. Utilizing a 70-degree former, cam-operated jaws and two dedicated nips, the Goss N40 ensures excellent crease-free folding capabilities.

Running 12 webs, the Goss N40 folder produces a 48-page broadsheet product or a 96-page tabloid with closed-end leading.

Optional features for the Goss SSC or N40 folder include additional formers (upper and side), quarter-fold module, double-parallel fold, single and double inline perforators and

crosshead perforators with one or three knives.

Goss C5 2:2 folder

The Goss C5 folder is an ideal choice for lower web count commercial heatset or coldset applications. This 2:2 jaw folder supports the maximum speed of the press. The web width range is 457mm (18") to 914mm (36"), with ribbon handling down to 229mm (9") wide providing maximum product flexibility.

Half- and quarter-folds are standard on the Goss C5 folder. The jaw cylinder uses separate 'take' and 'release' cam-operated jaws for precise fold adjustment with an optional tucking blade or optional double-parallel production. For all folding operations, even or lap folding is easy to set up, and quick makeready features complete the ease-of-use of this robust, industry-leading folder.

Goss 1:3:3 jaw folder

For the Community SSC press, the Goss 1:3:3 jaw folder provides excellent folding characteristics for up to 16 webs. Running at the maximum speed of the press, it can deliver up to 64 broadsheet pages.

FOLDER TYPE	SSC	N40	C5	J 1:3:3
Maximum Number of Webs	8	12	6	16
Maximum Product Pages				
Broadsheet	32	48	24	64
Tabloid	64	96	48	128
Double Parallel	64	64	64	80
Quarter-fold	96	128	96	160



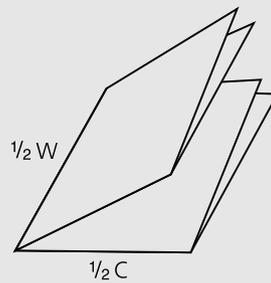
Goss jaw folders are renowned for their reliability and heavy-duty performance on a wide range of Goss presses, including the Goss Universal® series with hundreds of folder installations.

As well as its reputation for reliability and accuracy, the Goss 1:3:3 has advanced standard features, such as soft anti-marking nipping rings, anti-jam detectors, overload protection and web severers to prevent a jam in the event of a web break. In addition, a wide variety of options, such as single- or triple-knife perforators, make it one of the most versatile folders in its class.

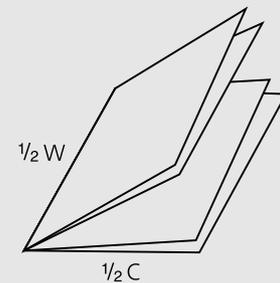
Flexible formats

The Goss 1:3:3 folder can accommodate a variety of web widths, up to 914 mm (36") with ease, for all varieties of broadsheet and tabloid products. In addition, quarter-folds and double-parallel options are available. Folder changes are easy to set up, and quick makeready features, including on-the-run lap adjustment, complete the flexibility and ease-of-use of this industry-leading folder design.

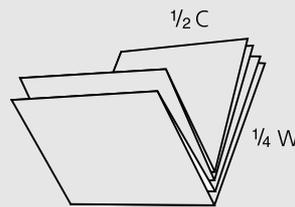
Product and paging capabilities from a single web



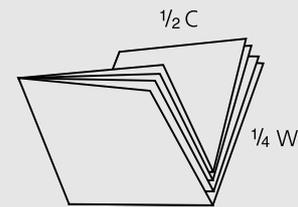
4 pages broadsheet delivered 1st cylinder fold



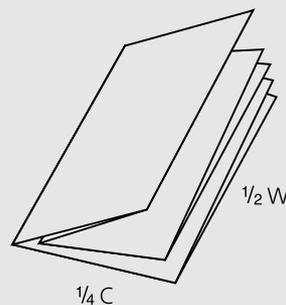
8 pages tabloid delivered 1st cylinder fold



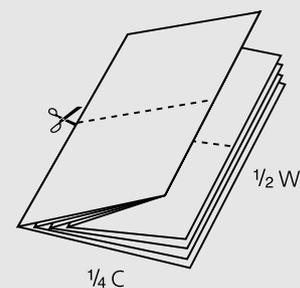
16 pages quarter-fold delivered quarter-fold



16 pages quarter-fold delivered quarter-fold



Double parallel delivered



Double parallel delivered



controls

10

THE COMMUNITY SSC™ PRESS SERIES REFLECTS GOSS' PHILOSOPHY OF PROVIDING THE BEST MATCH TO CURRENT AND FUTURE PRODUCTION NEEDS BY OFFERING MODULAR PRESS CONTROLS AND A FLEXIBLE CHOICE OF AUXILIARY SYSTEMS.





The Community SSC press is supplied with an integrated Goss® modular drive and control system. Being modular in architecture, it can be easily expanded or upgraded at any time to suit specific print room requirements.

There are two levels of Goss control systems for the Community SSC press. Each level includes a number of optional features that a user can choose to accommodate specific production needs and budget.

Level 1

The Level 1 control system provides the basic central control of press printing functions including offset function controls, folder and auxiliary controls together with PLC generated ink and water curves. This allows the operator to start and stop the press from a central location. It also monitors copy count and web protection systems. Print-to-cut can also be controlled from the console. The system supports two-way selection of printing units for multi-folder presses.

Optional features for Level 1 system include LCD display, pressman settable ink and water curves and remote register controls.

Level 2

The Level 2 system contains all the features of Level 1 and adds central control of print quality functions, for remote per couple ink and dampener roller speed trim controls. The console includes a copy lay-down area and a flat LCD display. Multiple print quality consoles can be supplied on larger presses.

As an option, Level 2 system can be enhanced with the ability to preset ink keys from digital data to reduce start-up waste. The presetting option can also include software to support imposition generation, job scheduling and end-of-job reporting. The Goss control system is CIP3/CIP4 compliant.

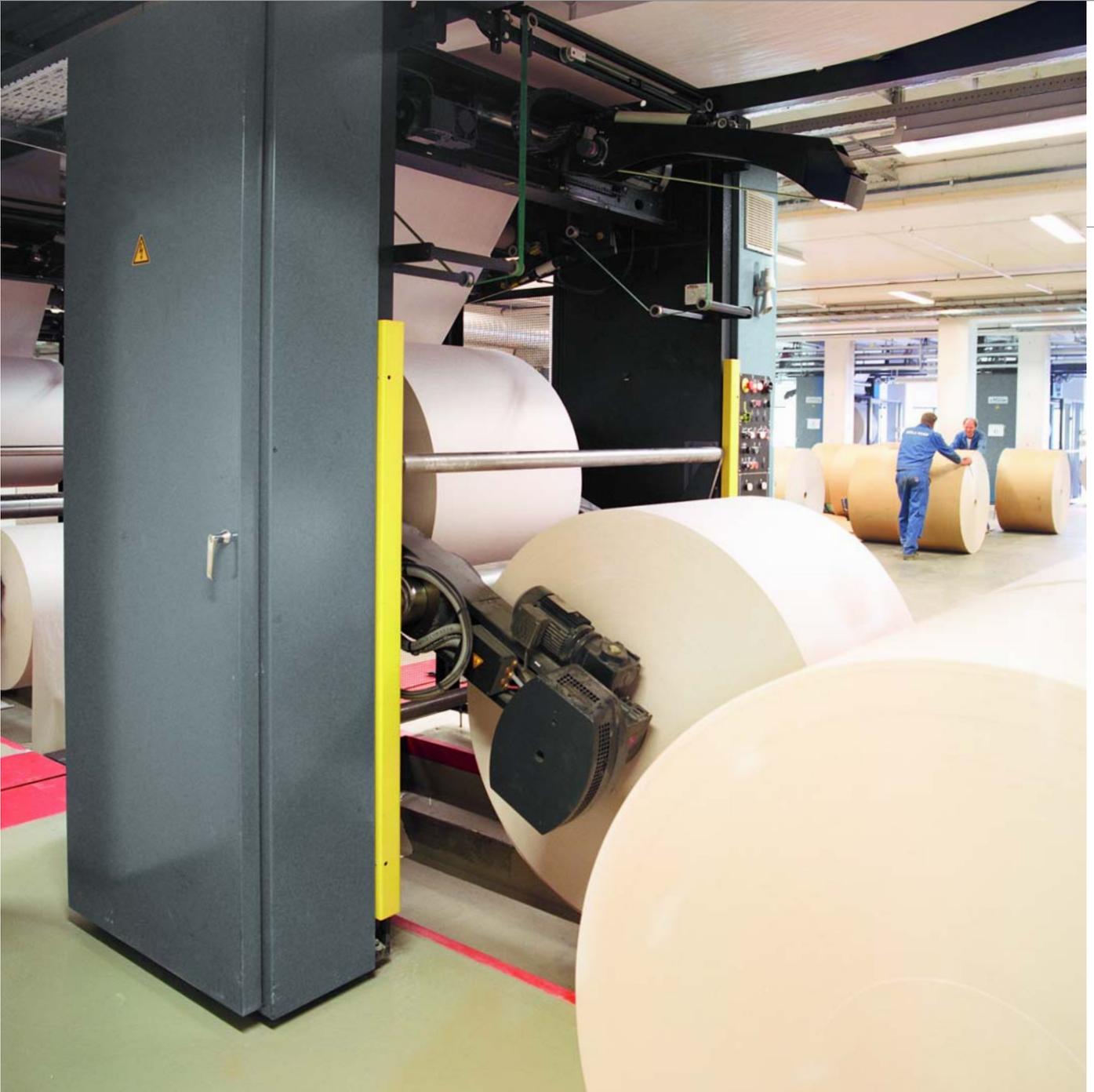
FUNCTIONS	LEVEL 1	
	Standard	Option
Total press controls (drive, unit, folder, auxiliaries)	Yes	
LCD Display		Yes
Pressman settable (ink/water curves)		Yes
First web break indication		Yes
Remote register controls		Yes
Detector to severer mapping		Yes

FUNCTIONS	LEVEL 2	
	Standard	Option
All features of Level 1 including options	Yes	
Remote control of ink keys	Yes	
Remote ink/water roller speed trim controls	Yes	
Ink key presetting		Yes
A single integrated console		Yes



auxiliaries

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IN ADDITION TO MODULAR PRESS CONTROLS, THE COMMUNITY SSC™ PRESS IS OFFERED IN HEATSET AND COLDSET VERSIONS, WITH A WIDE CHOICE OF AUXILIARY SYSTEMS.



Heatset, coldset and UV

All Community SSC presses can be purchased in coldset, heatset or UV versions, with an upgrade path from coldset to heatset or UV at any time during the life of the press. The heatset options include dryers, chill rolls, infeeds and other complementary equipment such as in-line gluers, ribbon decks, plows and stitchers. These provide the capability to print quality products such as newspaper supplements, advertising inserts and magazines.

Reelstands

The Community SSC press can be fitted with a wide range of splicers and pasters. Goss provides a choice of reelstands with either running belt or core brake tension controls. All reelstands offer consistent web running with fast re-loading, high paste accuracy and low core waste.

Print finishing

Goss® print finishing products can be added to a Goss Community SSC press line to efficiently transport and bundle finished copies, inserting additional sections, advertising flyers or lifestyle supplements on the way. Goss solutions optimize the entire

process seamlessly, with inserting and bundling integrated.

In summary

The latest Community SSC press is a flexible printing workhorse that can be configured for almost any production environment based on Goss' expansive experience with single-width printing. This provides clear advantages including:

- **High-value combination of quality and advanced features**
- **Tailored to needs**
- **Modular, stackable units**

- **Shaftless or conventional drives**
- **Heatset or coldset and UV**
- **Folder choices**
- **Flexible product capabilities**
- **Newsprint or coated stocks**
- **ISO-rated manufacture with quality components**
- **Easy operation and maintenance**
- **High reliability and long press life**



innovation and execution

14

GOSS INTERNATIONAL DELIVERS UNIQUE OPPORTUNITIES FOR PRINTERS AND PUBLISHERS TO ADVANCE THE PRINT MEDIUM TO NEW LEVELS OF IMPACT AND VALUE.





Entrepreneurs Fred and Sam Goss aligned innovation with customer requirements to establish the Goss Printing Press Company in 1885. That philosophy defines Goss International today. Worldwide development and support resources are anchored by world-class manufacturing sites throughout the United States, Europe and Asia, enabling Goss® web offset press and print finishing systems to set the standards for innovation, productivity and value.

Goss International's industry leadership position is built on intensive collaboration with customers and a proven ability to innovate and execute, making web offset a more effective way to communicate. In-depth process knowledge and expansive R&D efforts continue to deliver differentiating breakthroughs like gapless Sunday™ press, Autoplate™, Flexible Printing System™, Automatic Transfer™, DigiRail™ and Ecocool® technologies as well as advanced workflow and finishing systems.

Lifetime Support

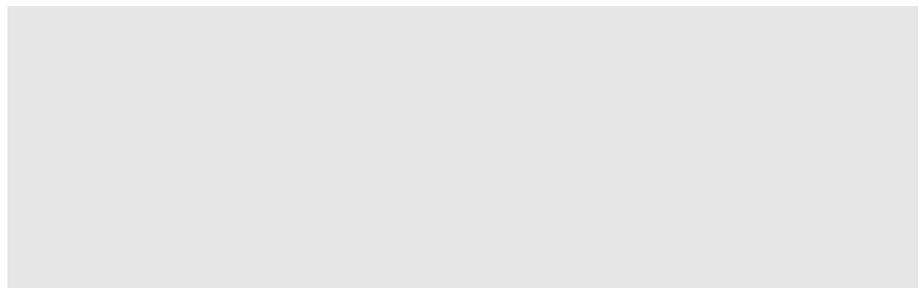
The Goss Lifetime Support™ program extends this level of innovation and execution throughout the life of every Goss system. Fast access and specialized experience define comprehensive parts, service, training, audit and rebuild capabilities. The direct link between development of new technology and ongoing support of existing products also drives a steady stream of valuable, market-driven enhancements.

Goss International advantages

- **Innovative technology**
- **Collaborative project management**
- **Expansive product options**
- **Integrated press, finishing and auxiliary systems**
- **World-class manufacturing**
- **Lifetime Support services**
- **Global resources and perspective**
- **Expertise and experience**



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Operating speeds for optimum production will vary with paper quality, size of product, number of webs and pressmanship.
To display product features, some safety devices may be omitted or shown out of position in photographs or illustrations.
Specifications and dimensions are subject to change without prior notice.

