

Hot Off The Press

Goss International has experience in the printing industry with manufacturing facilities in the USA, UK, France, Japan and a joint venture in China. With heavy emphasis on quality, their main business is the supply of complete high volume newspaper and commercial web press production lines. This covers not only high speed printing presses but also the downstream equipment including folders, inserting systems, stitching and binding equipment and packaging systems.



Goss are regarded as one of the world's leading suppliers of newspaper printing presses and production lines. They enjoy great respect in the industry which has been earned from continuous investment in engineering and R&D. Consequently their products are always highly innovative with market leading features, flexibility and performance.

The escalating demand for smarter print production methods and versatility of newspaper production has created new philosophies in printing press management. Press rooms have now become print factories with high levels of automation ensuring maximum throughput across an increasing variety of work. Flexibility and consistency are key requirements in this new printing environment. The latest press innovations from Goss meet these demands head on delivering the highest value for 21st century printers.

In the high volume newspaper market Goss provide one of the most versatile and flexible solutions with the Goss® Colorliner® press. This offers a modular press system designed for high consistency and optimum quality while minimising waste and production time. It achieves this ca-

pability by combining years of engineering experience in double width press design with the company's latest innovation "Pre-set and Forget" technology.

When Goss were looking to develop a press control system for the Colorliner® press family they first had to select the best hardware platform for the job to help give them the winning edge in an ever more demanding market. They needed the best technology available to provide new levels of performance and flexibility that would keep Goss firmly in control.

For these reasons they chose B&R to be their control system partner. Automation Studio played a large part in this decision as it gave Goss the technical features they were looking for. They wanted high level language programming, high performance processors and networks with sufficient bandwidth to guarantee data consistency on the press at the high data throughputs required when printing at speeds of up to 85,000 copies per hour.

Return on investment is driven today by the need for increasing press flexibility both for customer's own newspaper publishing and third party contract printing. Color-

The Colorline is very easy to use thanks to an intuitive user interface.



liner is the benchmark high performance open press system enabling newspapers to customise configuration, folders, reel stands and inkers.

Pre-set and Forget

The Colorliner press spearheads Goss' drive towards maximum press automation. Its "Pre-set and Forget" technology is synonymous with maximum throughput and return on investment. The nucleus of this automation is utilisation of pre-press data. From this information, presets can be made on the Colorliner press to get it ready for the next job and reduce start-up waste.

The heart of Goss "Pre-set and Forget" technology is an open control solution that can link to Goss and other vendor consoles as well as integrate with a wide range of auxiliary equipment. Goss controls incorporate intelligent modules for specific printing functions such as inking, dampening, tension and folder pagination control. These modules form part of a database driven control system that makes the operation of the Colorliner press as user friendly as it can be.




"The advanced communications and ultrafast ETHERNET Powerlink network provided by the B&R solution give us the flexibility we need for our future designs."

Dr. Wesley Clements
Head of R&D
GOSS International

The B&R system reflects this strategy extremely closely and provides Goss with the ideal partner for the future. The willingness to develop special products when required for the customer's specific applications reinforces the partnership and demonstrates a commitment to total customer satisfaction.

The Goss digital inking system, an integral part of the Colorliner press design, has

the advantage of minimising waste and providing high and consistent print quality throughout. 

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