Stack 2030

The Stack 2030 high-speed cutting and stacking solution for lightweight paper includes the Buffer b20, Cutter c20, and the Stacker s30.

- **Speeds up to 570 fpm**
- **Lightweight paper—40 gsm**
- **TransPromo and Books**
- **Flexible control of waste pages**
- **Document integrity control**

Powerful speed, smooth controls

Get unprecedented reliability for high performance cutting and stacking from web-fed digital printers. Using rotary technology for precise cutting at speeds up to 570 feet per minute, the Pacific series Stack 2030 is an ideal solution for printers who want to be well positioned, ensuring speed compatibility with both monochrome and color printers for today and tomorrow.

Whatever your printing needs, the versatile Stack 2030 is your solution. Effortlessly produce print on demand applications as 1-up, 2-up or 3-up stacks ready for near-line binding. For statements or TransPromo applications, create 2-up merged stacks from pinfed or pinless paper. The integrated stacking buffer keeps throughput at maximum levels.

Featuring our new Smooth-Web™ motion technology, the Stack 2030 reliably supports a broad range of media—as light as 40 gsm (11# bond) without sacrificing production speed. An intuitive, touch-screen control panel and ergonomic design make operator adjustments quick and easy. Non-data sheets can be automatically diverted to the waste bin or separated on the conveyor.

As with all of our products, the Pacific series Stack 2030 is compatible with today's most advanced digital printers and can be adapted to meet your printing needs. Innovative products combined with award winning support and service make Lasermax Roll Systems the essential partner for your print operation.

LR LasermaxRoll SYSTEMS

The Essential Partner to Print

Stack 2030

The Pacific series Stack 2030 system operates inline with web-fed digital printers at speeds up to 570 ft/min. The system delivers 1-up, 2-up or 3-up offset stacks ready for binding utilizing the Buffer b20, Cutter c20 and Stacker s30 modules. The optional Merger m20 allows 2-up print to be delivered in a single collated stack ready for inserting.

All modules in the Stack 2030 system incorporate Smooth-Web™ motion technology to gently transport paper from the printer to stacked output. This synchronization of the entire web to changes in speed provides unprecedented reliability and drastically reduces the likelihood of any paper jams.

After printing, the Buffer b20 accumulates the paper web and weaves it through rollers that rise and fall, filling the buffer and ensuring that stack deliveries will never stop the printer.

Next, the Cutter c20 utilizes a rotary knife to sheet the web and slit for 2-up or 3-up print streams. Its intuitive, touch-screen display controls the entire line and common operator adjustments are easily accessible even while running. The Cutter c20 instantaneously offsets the entire web horizontally to separate jobs or book blocks before sheets enter the stacker.

The Cutter c20 also features intelligent document integrity control to automatically recognize non-data or waste sheets and can divert these to the waste bin or separate on the delivery conveyor.

Following the Cutter c20, sheets enter the streaming section of the Stacker s30 where they are gently decelerated. In addition, each stream is precisely aligned and separated with sheets gliding smoothly onto the stack. This patent pending design maximizes control of the sheets and enables use of a wide range of media at high speeds. Perfect document quality is maintained by minimizing contact with the printed surface and preventing damage to the paper's sensitive edges.

The Stacker s30 builds up to 10"-tall stacks of sheets and has an integrated buffer for non-stop deliveries. Each job can be delivered to the conveyor one at a time, individually offset within the stack or delivered when the operator-programmed stack height is reached. Stacks created with the Stack 2030 solution are neat, well-spaced apart and precisely trimmed for reliable binding or inserting.

Optional Capabilities

Slit Merge

The Merger m20 option allows a 2-up printed web to be slit and merged into a single, collated paper stream. Positioned before the Cutter c20, the web enters the Merger m20 and is slit in the center. A sensor continuously monitors the web for side-to-side variations or movement and the slitter automatically adjusts to cut precisely at the center of the web. The resulting two webs are then merged right-over-left or left-over-right, depending on the requirements of the application.
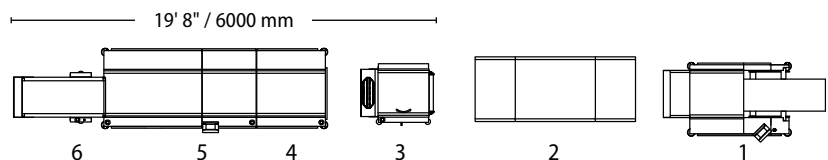
Merger m20

Specifications

Performance / Media

Printer Speed	570 ft/min	2.9 m/sec
Max. Speed	600 ft/min	3.0 m/sec
Feeding	Pinfed or pinless	
Paper weight	minimum 40 gsm	
Web width	6"–20.5"	150 mm–520 mm
Form length	5.5"–18"	90 mm–457 mm
Stack Height	Max. 10"	250 mm
Offset	0.6"	15 mm
Output options	1-, 2-, 3-up, and slit merge	

Electrical

Power	200-240 VAC 50/60 Hz, 10A, or 208 VAC, 1 Phase, 15A

Configuration Example

19' 8" / 6000 mm

6   5   4   3   2   1

1   Unwind 550
2   Printer
3   Buffer b20
4   Cutter c20
5   Stacker s30
6   Delivery Table

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LasermaxRoll SYSTEMS

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