LX Stack

The LX Stack solution includes the LX550 Unwind, LX561 Cutter, LX566 Stacker with optional LX530 Buffer or LX535 Merger.

High performance cut stacks

- **Speeds up to 450 fpm**
- **Lightweight paper**
- **Alternate delivery options**
- **Three-up books**
- **Pinless slit merge**

Rely on the LX Stack for high performance cutting and stacking from web-fed digital printers. Running at speeds up to 450 feet per minute, the LX Stack is an ideal solution for print on demand and transactional printers who want to be well positioned for today and for tomorrow.

Whatever your printing needs, the versatile LX Stack is your solution. For near-line finishing of print on demand applications, the LX Stack produces 1-up, 2-up or 3-up stacks effortlessly. Or, for billing and statement applications, the LX Stack can create pinfed or pinless slit merged stacks. The LX Stack, configured to match your requirements, includes the latest technology in rotary cutting, stacking and job offsetting. A broad range of basis weights is supported, from 11# bond to 110# index, or 40 to 200 gsm. Stacks are well spaced for crisp, clean quality and easy removal by the operator to near-line or off-line finishers or inserters.

As with all of our products, the LX Stack is compatible with today's most advanced digital printers and can be adapted to meet your printing needs. Global service and around-the-clock support help ensure our reputation as the industry's reliability leader. Count on Lasermax Roll Systems to help you do more with digital print.

LX Stack

The LX Stack solution features the LX550 Unwind, LX561 Cutter and LX566 Stacker with the optional LX530 Buffer or LX535 Merger, and produces compact book blocks delivered one at a time or in offset stacks.

The center-shaft driven LX550 Unwind feeds a roll of paper up to 20.5" wide and 52" in diameter into a web-fed digital printer. The LX561 Cutter utilizes a rotary knife to cut printed output in up to 19.5" lengths. It also may slit the web for 2-up or 3-up forms. The LX566 Stacker builds up to 10"-high stacks of sheets. An electronic printer signal or a printed mark triggers set separation. Stacks created with the LX Stack solution are neat, well-spaced apart and tightly trimmed for reliable off-line processing.

Once paper is accurately cut and stacked, each job can be delivered to the conveyor one at a time, individually offset within the stack or when the operator-programmed stack height is reached. All components are modular, compact, and are designed to dramatically improve workflow.

Optional Capabilities

Lightweight Paper

LX530 Buffer

For lightweight paper applications, add the optional LX530 Buffer to the LX Stack system. Positioned between the printer and the LX561 Cutter, the LX530 Buffer accumulates the lightweight paper web and weaves it through rollers that rise and fall, filling the buffer and allowing job delivery without stopping the printer.

After the paper is cut, the LX566 Stacker has been specifically designed to appropriately handle the lightweight stock. The LX566 is equipped with an anti-static mechanism essential to successful handling of lightweight webs and a controlled sheet stop device designed to reduce the sheet speed to prevent damage to the paper's sensitive edges.

Slit Merge

LX535 Merger

The LX535 Merger option allows a 2-up printed web to be slit and merged into a single, collated paper stream. Positioned between the printer and the LX561 Cutter*, the web enters the LX535 Merger 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.

*Pinless slit merge applications require the LX562 Cutter.

LX562 Cutter

Same features as the LX561, plus the ability to process pinless slit merge applications.

Roll Carts

Easily move, store and load paper rolls.

Web Vision™

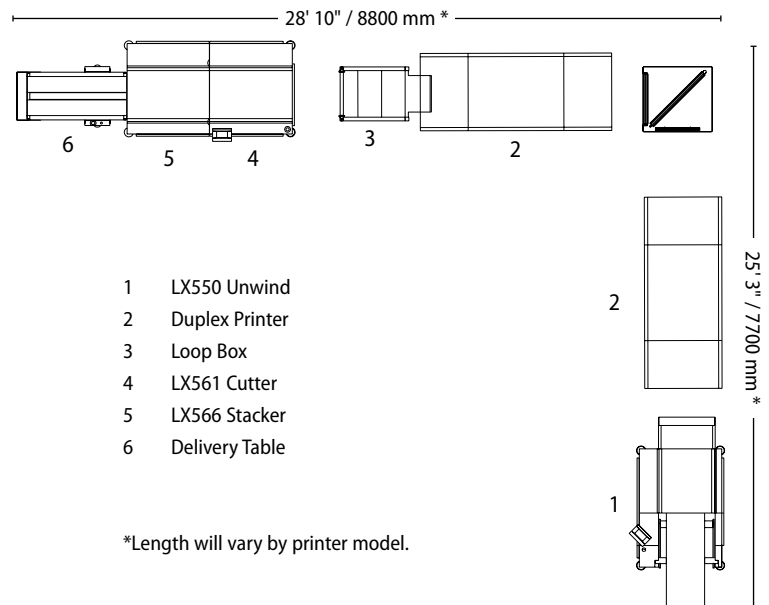Monitor print, data and workflow quality.

Specifications

Configuration Example

Performance / Media

Speed Max.	450 ft/min	2.25 m/sec
Print	Simplex, Duplex	
Feeding	Pinfed or pinless	
Paper weight	11# bond–110# index	
	40–200 gsm	
	(Testing mandatory for paper less than 55 gsm)	
Roll diameter	4"–52"	100 mm–1320 mm
Web width	5.5"–20.5"	140 mm–520 mm
Form length	3.5"–19.5"	90 mm–495 mm
Stack Height	Max. 10"	250 mm
Offset	0.6"	15 mm
Output options	1-, 2-, 3-up with offset	

Electrical

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

28' 10" / 8800 mm *

25' 3" / 7700 mm *

1. LX550 Unwind
2. Duplex Printer
3. Loop Box
4. LX561 Cutter
5. LX566 Stacker
6. Delivery Table

*Length will vary by printer model.

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