

Stack 566

for in-line Perfect Binding

PACIFIC
series



The Stack 566 system for the Muller Martini SigmaBinder includes the Unwind 550, Cutter 561, Stacker 566 and conveyor system.

- Perfect bound books created in-line
- Lightweight compatible
- Easy application changes

Perfect binding, perfected

Print on demand with the ultimate in ease and flexibility. The Pacific series Stack 566 system works with the Muller Martini SigmaBinder to provide in-line perfect binding of books, manuals and training materials. The finished result is a custom made, ready-to-use perfect bound book, delivered when required.

The modular Stack 566 system provides maximum flexibility and upgrade options to meet future needs in a rapidly changing Print On Demand marketplace. In addition to in-line perfect binding, Stack 566 provides stacked

output for distribution or near line finishing, depending on your applications. Book blocks can be delivered 1-up, 2-up or 3-up.

As with all of our products, the Pacific series Stack 566 system 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.

Stack 566

for in-line Perfect Binding

The Pacific series Stack 566 system for Muller Martini SigmaBinder uses the Unwind 550, Cutter 561 and Stacker 566 and conveyor system to create perfect bound books inline.

The center-shaft driven Unwind 550 feeds a roll of paper up to 20.5" wide and 52" in diameter into the printer for continuous printing. Once the paper is printed, the Cutter 561 uses a rotary knife to cut printed output to the desired length and slits the web for 2-up or 3-up forms. The Stacker 566 positions the sheets to create book blocks. The Stack 566 system's stacks are clean, tight, and prepared for further finishing.

For in-line perfect binding, each set of 1, 2, or 3-up book blocks is delivered to the conveyor system and transported to the SigmaBinder. The SigmaBinder measures every book and automatically adjusts for length, width and thickness. Each book block is then combined with the appropriate cover to create a finished perfect bound book.

Alternatively, for near-line finishing, the Stacker 566 stacks and offsets book blocks in stacks up

to 10" tall. The stacks are delivered automatically or when the operator-programmed stack height is reached. They are then easily transported to the hand-feed/measuring station of the SigmaBinder or to other near line finishing units, such as Folders or Stitchers.

Output delivery options are easily switched with no movement of modules, to offer the flexibility you need for your print on demand applications. All components are modular, compact, and are designed to dramatically improve workflow.

Optional Capabilities

Lightweight Paper

For lightweight paper applications, add the optional Buffer 530 to the Stack 566 system. Positioned between the printer and the Cutter 561, the Buffer 530 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.

Slit Merge

The Merger 535 option allows a 2-up printed web to be slit and merged into a single, collated paper stream. Positioned between the printer and the Cutter 561*, the web enters the Merger 535 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



Merger 535

then merged right-over-left or left-over-right, depending on the requirements of the application.

*Pinless slit merge applications require the Cutter 562.

Cutter 562

Same features as the Cutter 561, plus the ability to process pinless slit merge applications.

Specifications

Performance / Media-Stacking

Speed Max.	450 ft/min	2.25 m/sec
Feeding	Pinfed or pinless	
Paper weight	11# bond-110# index	40-200 gsm <small>(Testing mandatory for paper less than 55 gsm)</small>
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
Output options	1-, 2-, 3-up with offset	

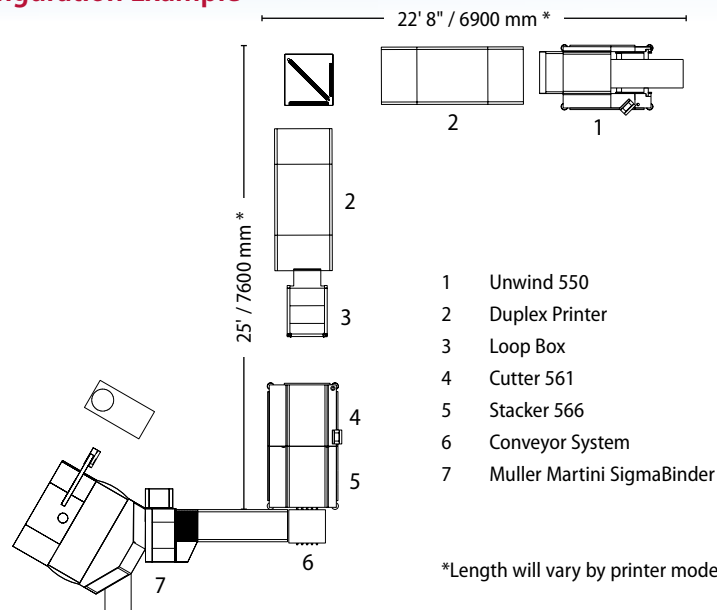
Binding

Book width	4 7/8"-9 1/16"	125 mm-230 mm
Book thickness	1/8"-1 9/16"	3 mm-40 mm
Spine length	4 3/4"-12 5/8"	120 mm-320 mm
Paper weight	20-32# bond	70-120 gsm

Electrical

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

Configuration Example



- 1 Unwind 550
- 2 Duplex Printer
- 3 Loop Box
- 4 Cutter 561
- 5 Stacker 566
- 6 Conveyor System
- 7 Muller Martini SigmaBinder

*Length will vary by printer model.