



Stack 2020

Dependable non-stop stacking



The Stack 2020 high-speed cutting and stacking solution includes the Buffer 530, Cutter c20, and the Stacker s20.

- ✓ **Speed up to 450 fpm**
- ✓ **Variable Cut & Stack on the fly**
- ✓ **TransPromo and Books**
- ✓ **Flexible control of waste pages**
- ✓ **Document integrity control**

Get unprecedented reliability for high performance cutting and stacking from web-fed digital printers. Using rotary technology for precise cutting at speeds up to 450 feet per minute, the Stack 2020 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 2020 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 2020 reliably supports a broad range of media 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.

Global service and around-the-clock support help ensure our reputation as the industry's reliability leader. Our products increase productivity, cut labor and paper costs, and even make new applications possible - Tecna solutions truly empower digital print to help you do more with less.



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The Stack 2020 system operates inline with web-fed digital printers at speeds up to 450 ft/min. The system delivers 1-up, 2-up or 3-up offset stacks ready for binding utilizing the Buffer 530, Cutter c20 and Stacker s20 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 2020 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 530 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 its internal waste bin or separate the waste sheets on the delivery conveyor. The Cutter c20 automatically maintains registration to the first printed page so no live print pages are wasted.

Following the Cutter c20, sheets enter the Stacker s20 where they are precisely aligned and separated with sheets gliding smoothly onto the stack. Perfect document quality is maintained by minimizing contact with the printed surface and preventing damage to the paper's sensitive edges.

The Stacker s20 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 2020 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.

In-line Finishing

The Feeder 568 option delivers individual sheets from the Cutter c20 to a third-party finishing device such as a saddle-stitcher or signature folder. It is installed in conjunction with the Stacker s20 to also allow normal offset stacking, thus providing users with high finishing flexibility.



Merger m20



Technical Specifications

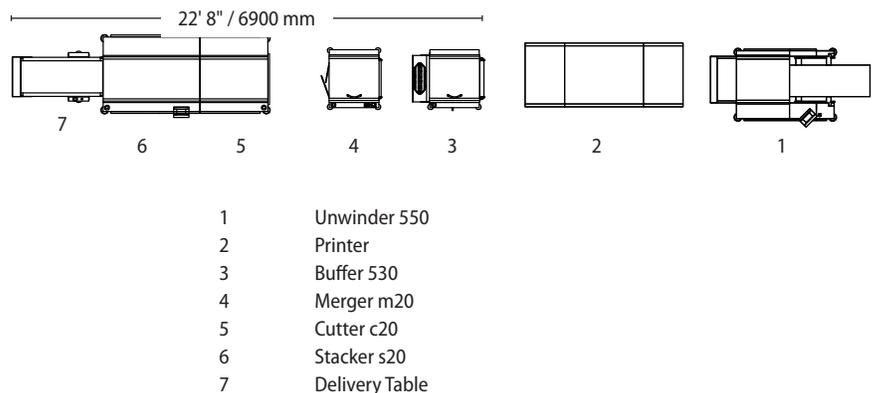
Performance / Media

Printer speed	425 ft/min	130 m/min
Max. Speed	450 ft/min	137 m/min
Feeding	Pinfed or pinless	
Paper weight	14.5# bond - 140# index, 55 - 250 gsm <i>(paper dependent, above 200 gsm requires application review)</i>	
Web width	6" - 20.5"	150 mm - 520 mm
Form length special s28	3.5" - 18" up to 28"	89 mm - 457 mm up to 711 mm
Stack height	Max. 10"	250 mm
Offset	0.6"	15 mm
Output options	1-, 2-, 3-up, with offset and slit merge	

Electrical

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



TECNAU
w w w . t e c n a u . c o m

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