



Stack 5251L AutoSetup

Fully automated cut and stack solution



The Revolution 50 AutoSetup revolutionizes finishing with automated changeovers and no setup times, maximizing efficiency and reducing labor

- ✓ Speeds up to 590 fpm / 180 mpm
- ✓ Broad application range from 1up to 4up impositions
- ✓ Fully automated job changeover triggered by 2D
- ✓ Motorized side-trimming and central cutting tools

Change between applications with no manual intervention. Revolution 50 AutoSetup enables fully automated job changeovers for full-bleed applications, reading a 2D Datamatrix to support changes in imposition (among 1-up, 2-up, 3-up and 4-up) and sheet lengths with no touchpoints. Automated features enhance productivity, minimize setup times and reduce labor, making the system particularly well-suited for commercial and direct mail printers.

Users transition effortlessly across various applications. The required operator skill level is significantly reduced compared to non-automated finishing lines, making the system a good match for organizations facing challenges finding skilled

labor. The system also includes standard TecnaU Revolution 50 cutline features, such as a slide-out knife assembly, decurler, and dynamic web aligner, with available TecnaU Connect IoT platform. These Revolution 50 features & options further reduce application challenges and labor requirements while increasing press uptime.

TecnaU's Revolution 50 series is a family of products featuring high-speed operation, IoT compatibility, and media flexibility as required in today's demanding digital print environments. TecnaU products increase productivity, cut labor and paper costs, and even make new applications possible – TecnaU solutions truly empower digital print to help you do more with less.



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The Stack 5251L AutoSetup system operates near-line with web-fed digital inkjet printers at speeds up to 590 ft/min (180 m/min). The systems deliver 1-up, 2-up, 3-up or 4-up offset stacks with variable full bleed cuts utilizing the Unwinder u50, Cutter c52 AutoSetup and Stacker s51L modules.

All modules operate in taut web to generate the exceptionally smooth paper flow required for high-speed operation. An included dynamic web aligner keeps the web on track to eliminate the need for an alignment deck with its multiple friction points. The system incorporates Smooth-Web™ motion technology to synchronize operation of each module to gently transport paper to the stacked output.

The Unwinder u50 feeds the paper via the dynamic web aligner on to the Cutter c52 AutoSetup.

The Cutter c52 AutoSetup has dual rotary knives and offers advanced automation by adjusting to the right imposition without any operator intervention. It automatically changes the position of gutters and side trims on-the-fly for full-bleed variable applications printed on the roll. This ensures precision and

efficiency in the printing process, further supporting the needs of demanding printing environments.

The intuitive, touch-screen display panel controls the entire line and common operator adjustments are done externally for easy operation. Intelligent document integrity control automatically recognizes non-data or waste sheets and diverts appropriately, while maintaining registration to the first live printed page.

The cutter's knife assembly extends and retracts on rails for easy servicing and quick jam recovery.

Following the cutter, sheets enter the Stacker s51L where they are precisely aligned and separated with sheets deposited gently onto the stack. The Stacker s51L features "north/south job offsetting", offsetting sets/book-blocks back & forth in the direction of travel to maintain full speed even for multiple consecutive small sets.

The Stacker s51L 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.

Optional Capabilities

Tecnau Connect

Stack 5251L includes Internet of Things compatible controls, motors and drives to enable an array of next generation diagnostic and analytical tools. Options are available for remote monitoring and diagnostics, automatic software updates, preventive maintenance aids and database analysis.



TECNAU CONNECT

In-line Finishing

The Transport t50 option delivers individual sheets from the Stack 5251L AutoSetup to a third-party finishing device such as a saddle-stitcher or signature folder and also allows normal offset stacking, thus providing users with high finishing flexibility. Application review is required.



Technical Specifications

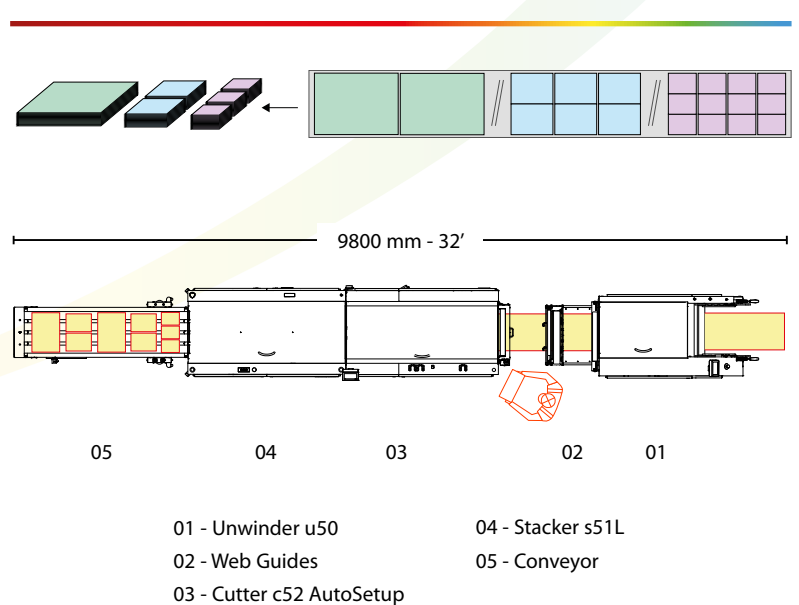
Performance / Media

Speed max.	up to 590 ft/min	up to 180 m/min
	<i>Paper and application dependent, in-line printer speed max 160 m/min 525 ft/min</i>	
Paper weight	12# Bond - 165# Index, 40 - 300 gsm	
	<i>Paper/speed dependent, outside 60 - 250 gsm requires application review</i>	
Web width max	up to 23"	584 mm
Sheet length	5.8" - 30"	148 - 762 mm
	<i>below 8" (203 mm) with speed reduction</i>	
Gutter cut	6 mm standard	3 mm special
Side trim	0.25" - 1"	6.4 - 25 mm
Strip cut	0.25" - 1"	6.4 - 25 mm
Stack height	10"	250 mm
Offset	0.6" - north/south	15 mm - north/south
Imposition	1-up, 2-up, 3-up, 4-up stacks	
	<i>4-up upon request, requires application review</i>	

Electrical & Air

Cutter c52	400-480 Vac, 25 A, 3-Phase, 50/60 Hz
Stacker s51L	400-480 Vac, 16 A, 3-Phase, 50/60 Hz
Air	6 - 8 bar, dry and clean

Configuration Example



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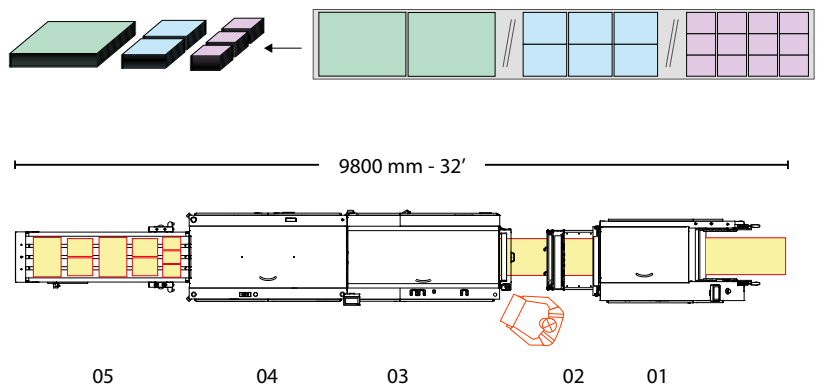
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Configuration Example



- | | |
|---------------------------|-------------------|
| 01 - Unwinder u50 | 04 - Stacker s51L |
| 02 - Web Guides | 05 - Conveyor |
| 03 - Cutter c52 AutoSetup | |



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