Horizon

COLLATING

SAC-150 Series

Simple operation helps achieve
superior productivity and quality.

THE EASY OPERATION OF THE SAC-150 WILL IMPROVE YOUR COLLATING PRODUCTIVITY.

The SAC-150 is ideally suited to commercial printers, in-plant printers, and trade binders who need productivity and the highest quality finished books.

BENEFITS

HIGH PRODUCTIVITY
The collating speed has been increased to 6,500 sets per hour (requires ST-60 Tandem Stacker). The collating system can be expanded up to 4 towers for a maximum of 60 collating bins.

CONFIGURATION FLEXIBILITY
The SAC-150 series can be field-equipped with Horizon's broad range of high-performance finishing equipment, for stitching, bookletmaking and stacking.

EASY OPERATION
The SAC-150 series is equipped with a touch-screen display panel that is very easy to use. Multiple feed error indicators allow you to pinpoint the problem bin and the type of error.
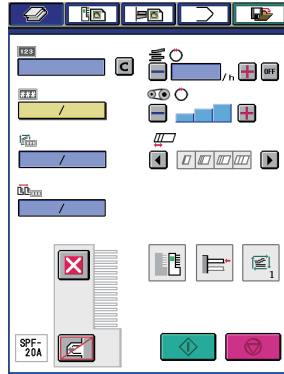

SAC-150 (60 bins) + ST-60

DETAILED PROCESS FEATURES.

USER-FRIENDLY TOUCH-SCREEN CONTROL CONSOLE

- The graphical user interface allows anyone in your production area to operate the system without any special skills or training.

- All operating errors or jams are graphically illustrated on the screen for easy identification and quick recovery.

- Multiple feed error indicators allow you to pinpoint the problem bin and the type of error.

- All important operating functions are centralized on the remote control for operator convenience. The remote allows the operator to monitor system operations while loading or unloading the system.

FRICTION FEEDER

- The simple bin setup procedure allows you to easily load each station with a wide range of sheet sizes, ranging from A5 to SRA3 (5.8" x 8.3" to 12.5" x 18.5").

- Four sheet-separation options can be selected to adjust the bin and pad pressures. This permits the feeding of a wide range of paper stocks.

- Each bin can accept a pile of sheets up to 40 mm or 1.6".
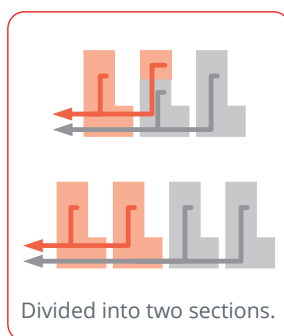
MEMORIZE FREQUENT JOB SETTING (9 JOB MEMORIES)

- The system can memorize up to 9 different jobs that are run frequently. For example, collating speed, type of program, number of bins and sensor sensitivity settings are stored in the system memory for quick restart of a regular job.
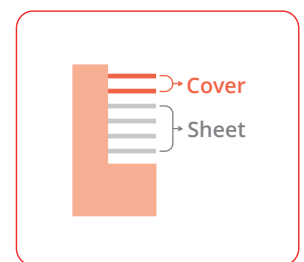
ADVANCED PROGRAMMING FEATURES

Double Cycle

This mode divides the system into two sections for maximum productivity. The first section is loaded, production is started, and then the second section is loaded. When any bin in the first section empties, feeding immediately switches over to the second section and continues collating. The operator can then reload the bin in the first section, without interrupting the run.

Divided into two sections.

Dual Cover Feed

In Dual Cover Feed mode, the top two bins are used as cover sheet feeding bins, and those two bins alternate for continuous operation. When using a heavyweight cover, the cover bin will always empty first. When one cover bin empties, the system automatically switches over to the other cover bin. This eliminates the need to halt production to reload covers while ample supplies of text stock are still available.

Cover
Sheet

Combined Mode

The Double Cycle and Dual Cover Feed modes can be operated together to achieve absolutely maximum productivity and efficiency.

OPTIONS.

High Performance Delivery Options.

ST-60 TANDEM STACKER

- When one stack tray becomes full, the collated sets are automatically delivered to the other stack tray, with no system slowdown.
- Errored sets are delivered to the built-in reject tray for non-stop operation.
- A continuously cycling tail jog keeps all sheets well positioned for superior stack quality.

ST-40 BYPASS STACKER

- Connected between the collating and bookletmaking systems, the ST-40 serves as a high-capacity offset or straight stacking device.
- Errored sets are delivered to a built-in reject tray for both non-stop collating and booklet-making production.
- A continuously cycling tail jog keeps all sheets well positioned for superior stack quality.
- The ST-40 is equipped with hand feeding function as standard.
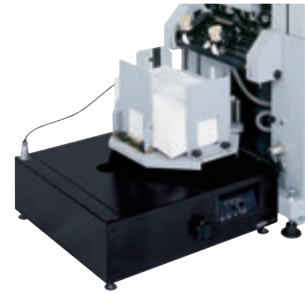- Preset count function allows for efficient stack handling.

SA-40 SUB ACCUMULATOR

- The SA-40 temporarily accumulates the sheets delivered from the collator for stable sheet jog in the stitcher for quality bookletmaking. Also the SA-40 improves the sheet jog for the ST-40 bypass stacker.
- Misfeed detection ensures to eject all the misfed sheets in the accumulating mode.
- Sheet delivery angle, assist air, stopper plate, and jog waiting time are adjustable for running the various type of paper.

SW-20 CRISS-CROSS RECEIVING TRAY

- The criss-cross receiving tray swings 90 degrees at each collating interval, clearly separating collated sets to simplify post-collating processes. This is also suitable for piling sets onto previously collated sets.

PJ-77 PAPER JOGGER

- Driven by an independent motor, the paper jogger vibrates collated sheets into perfect alignment. The jogger tray rises automatically by a foot switch to start collating.

BOOKLETMAKING SYSTEM SOLUTION

SPF-200 SERIES + FC-200 SERIES

BOOKLETMAKING SYSTEM

- High performance in-line bookletmaking system with collating, stitching, folding and fore-edge trimming. By connecting the TBC-200L, top-and-bottom trimming is available after stitching and fore-edge trimming.
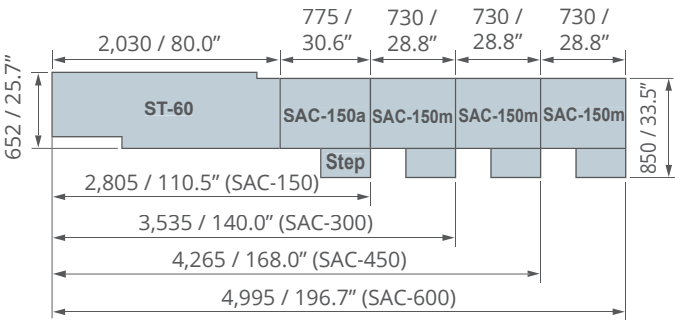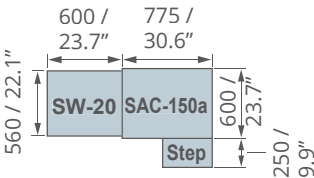
TBC-200L
Top and Bottom
Trimmer

FC-200 series
Fore-edge Trimmer

SPF-200 series
Stitcher & Folder

SPECIFICATIONS.

Machine Dimensions. (Unit: mm or inch)

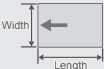| SAC-150			
Module Type	SAC-150a (Main Module) SAC-150m (Extension Module)		
Number of Bins	15 bins (SAC-150)	30 bins (SAC-300)	45 bins (SAC-450)	60 bins (SAC-600)
Sheet Size	Width / Length diagram	**Width x Length** Max. 297 x 420 mm or 11.69" x 16.54" Min. 148 x 210 mm or 5.83" x 8.27"	
Sheet Weight Range	52.4 gsm to 157.0 gsm		
Sheet Feeding System	Friction System Feed angle is adjustable in three steps.		
Bin Stack Height	40 mm or 1.6"		
Sheet Overlap	4 Steps: Maximum, Large, Middle and Small		
Production Speed *1	15 bins	Max. 7,400 sets per hour (A5LEF, Straight Receiving)	
		Max. 6,600 sets per hour (A4LEF, Straight Receiving)	
	30 bins	Max. 5,100 sets per hour (A4LEF, Straight Receiving)	
	45 bins	Max. 4,600 sets per hour (A4LEF, Straight Receiving)	
	60 bins	Max. 4,000 sets per hour (A4LEF, Straight Receiving)	
Voltage / Frequency	Single Phase 220 to 240 V, 50 or 60 Hz Single Phase 115 to 120 V, 50 or 60 Hz		
Machine Dimensions	W775 (a) 730 (m) x D600 (850 including step) x H2,010 mm or W30.6" (a) 28.8" (m) x D23.7" (33.5" including step) x H79.2"		

(Top View)

Height: 2,010 / 79.2"

*Dimensions shown in the illustration above include the overlapping part when the machines are connected.

* 1 Production speed is limited by the number of bins to use, sheet overlap amount, production speed, or sheet size.
* The machine design and specifications are subject to change without any notice.
* Specifications may vary depending on the job, paper quality, environmental influences, and various other factors. Please do a test run before starting production.

ST-40

Sheet Size		**Width x Length** Max.350 x 500 mm or 13.8" x 19.7" * Min.182 x 128 mm or 7.2" x 5.0" *Maximum 610 mm or 24.02" length of a sheet can be received on the stack tray by attaching the optional guide ST-LG on the stack tray.
Sheet Weight Range	52 to 208 gsm	
Stack Capacity	360 mm or 14.1"	
Max. Transport Thickness	Max. 6 mm or 0.24"	
Voltage /Frequency	Single Phase 200 to 240 V, 50 or 60 Hz	
Machine Dimensions	W1,353 x D652 x H1,027 mm or W53.3"x D25.7"x H40.5" (including feed error tray)	

ST-60

Sheet Size		**Width x Length** Max.350 x 500 mm or 13.8" x 19.7" Min.182 x 128 mm or 7.2" x 5.0"
Sheet Weight Range	52 to 208 gsm	
Stack Capacity	Right Tray (A) : 360 mm or 14.1" Left Tray (B) : 580 mm or 22.8"	
Max.Transport Thickness	Max. 6 mm or 0.24"	
Voltage / Frequency	Single Phase 200 to 240 V, 50 or 60 Hz	
Machine Dimensions	W1,957 x D652 x H1,102 mm or W77.1" x D25.7" x H43.4"	

SA-40

Sheet Size	Accumulate	**Width x Length** Max. 350 x 500 mm or 13.78" x 19.69" Min. 140 x 204 mm or 5.52" x 8.04"
	Pass Through	**Width x Length** Max. 350 x 500 mm or 13.78" x 19.69" Min. 120 x 148 mm or 4.73" x 5.83"
Sheet Weight Range	It depends on the connected collator specifications.	
Max. Thickness	3 mm or 0.11"	
Voltage / Frequency	Belt driving power is supplied from the Stacker ST-40.	
Machine Dimensions	W710 x D600 x H850 mm or W28.0" x D23.7" x H33.5" (When the transport section is opened)	
Connectable Machines	ST-40	

SW-20

Sheet Size		**Width x Length** Max. 320 x 470 mm or 12.60" x 18.51" Min. 148 x 210 mm or 5.83" x 8.27"
Stack Pile Height	Small Sheet Receiving Plate (A5-A4) 170 mm or 6.7" Large Sheet Receiving Plate (A4-A3) 100 mm or 4.0"	
Voltage / Frequency	The power is supplied from the collator.	
Machine Dimensions	W645 x D560 x H480 mm or W25.4" x D22.1" x H18.9"	

PJ-77

Sheet Size		**Width x Length** Max. 320 x 460 mm or 12.60" x 18.11" Min. 128 x 182 mm or 5.04" x 7.17"
Stack Pile Height	110 mm or 4.4"	
Voltage / Frequency	The power is supplied from the collator.	
Machine Dimensions	W480 x D400 x H530 mm or W18.9" x D15.8" x H20.9"	

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