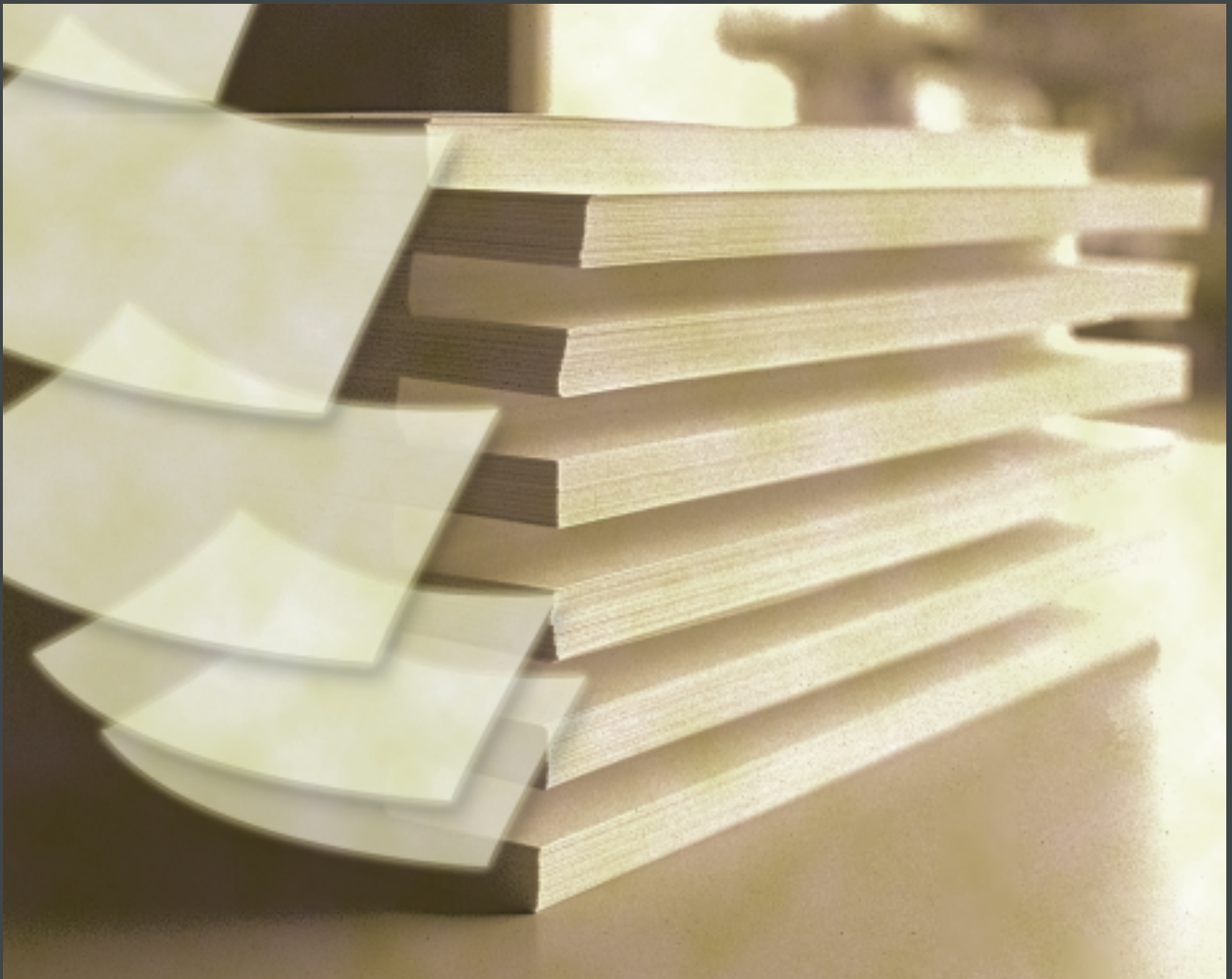


Friction Collators

# SAC-150



STATE-OF-THE-ART TECHNOLOGY  
FOR  
THE SCIENCE OF BOOKBINDING

**Horizon**  
B i n d t r o n i c s

# Horizon SAC-150 Friction Collator

*The easy operation of the SAC-150 vertical friction collator 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.*

## Features

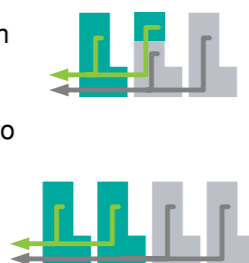
- The collating speed has been increased to 6,500 sets per hour (requires ST-60 Tandem Stacker).
- The SAC-150 is equipped with a touch-screen display panel that is very easy to use.
- Multiple feed error indicators allow you to pinpoint the problem bin and the type of error.
- The SAC-150 can be field-equipped with Horizon's broad range of high-performance finishing equipment, for stitching, bookletmaking and stacking.
- The collating system can be expanded up to 6 towers for a maximum of 60 collating bins.
- A computer-assisted programming system in the SAC-150 provides three highly productive collating modes (Double Cycle, Dual Cover Feed and Combined Mode).

## Advanced Programming Features

The SAC-150 is equipped with advanced programming functions that are extremely powerful and very easy to use. These functions allow you to achieve truly continuous production.

### Double Cycle

This mode divides the SAC-150 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, the SAC-150 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.



### 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 SAC-150 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.

### Combined Mode

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

## Memorize Frequent Job Setting (9 job memory)

The SAC-150 can memorize up to 9 different jobs that are run frequently. For example, collating speed, type of program used, number of bins used and sensor sensitivity settings are stored in the system memory for quick restart of a regular job.

## User-friendly Touch-Screen Control Console

- The graphical user interface allows anyone in your production area to operate the SAC-150 collator without any special skills or training.
- All operating errors or jams are graphically illustrated on the screen for easy identification and quick resolution.
- 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 450 sheets (normal paper 70 gsm/ #16 Bond).



## Receiving Trays



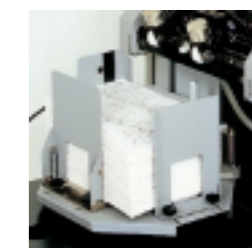
### Stacker Receiving Tray - ST-60

Horizon's innovative twin-tray design delivers 6,500 sets per hour of neatly jogged off-set stacks. The tandem pallet system enables you to operate the SAC-150 collator with an absolute minimum of system stops.



### Stacker Receiving Tray - ST-20

The stacker receiving tray shifts each collated set laterally, for positive set separation. A stack of collated sets can be unloaded on a castor-mounted pallet. The collating operation is started automatically when the pallet is raised to its home position.



### Criss-Cross Receiving Tray - CCR-DX

The criss-cross receiving tray swings 90 degrees at each collating interval, clearly separating collated sets. This simplifies the post-collating process.

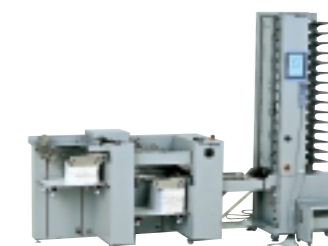
SAC



ST-60+SAC-150a+150m+150m+150m



ST-20+SAC-150a+150m+150m



ST-60+SAC-150a+150m



ST-60+SAC-150a+150m

## Other Optional Finisher

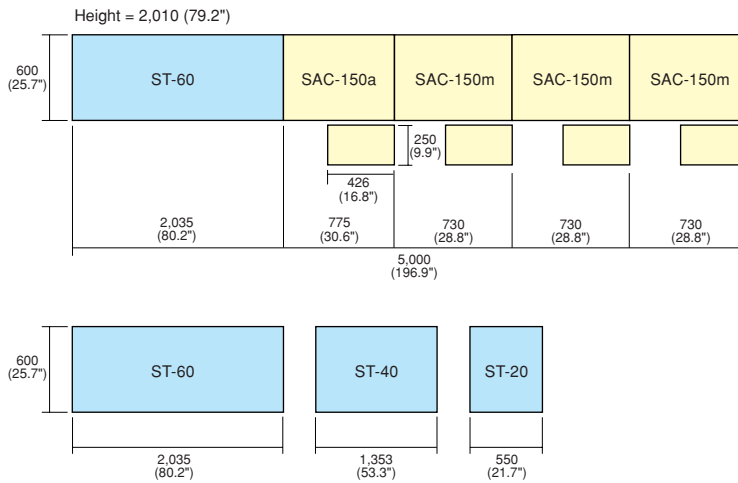
- Bookletmaker : SPF-20 + FC-20
- Corner Stitcher : SP-1
- Sacker Receiving Tray : ST-40
- Paper Jogger : PJ-77

## Major Specifications

<b>Model</b>	<b>SAC-150a (Main Module)</b> <b>SAC-150m (Extension Module)</b>	<b>Error Detection</b> <b>Error Monitor</b> <b>Voltage / Frequency</b>	<b>Missfeed, Double Jam Detection System</b> <b>Feed Error Monitors</b>
<b>Module Configuration System</b>	SAC-150a (15 bins) SAC-150a + 150m (30 bins) SAC-150a + 150m + 150m (45 bins) SAC-150a + 150m + 150m + 150m (60 bins)		<b>SAC-150a :</b> Single Phase 115 V, 60 Hz, 5.4 A / Single Phase 120 V, 60 Hz, 5.4 A Single Phase 220 V, 50 Hz, 3.5 A / Single Phase 230 V, 50 Hz, 2.7 A Single Phase 240 V, 50 Hz, 2.5 A
<b>Sheet Size</b>	148 x 210 mm to 297 x 420 mm (5.9" x 8.3" to 11.6" x 16.5")		<b>SAC-150m :</b> Single Phase 120 V, 60 Hz, 3.0 A / Single Phase 220 V, 50 Hz, 2.5 A 520 W
<b>Bin Pile Height</b>	40 mm (1.6")	<b>Power Consumption</b>	<b>SAC-150a :</b> 280 kg (617.4 lbs.)
<b>Sheet Weight Range</b>	52 to 157 gsm	<b>Machine Weight</b>	<b>SAC-150m :</b> 189 kg (416.8 lbs.)
<b>Collating Speed</b>	Depending on number of sheet in one set and overlap setting. (Reference : A4/15 sheets - 6,500 sets/hr.)		

## Installation Space

SAC-150 : mm (inch)



Manufactured by  
Taiyo Seiki Co., Ltd.

The machine design and specifications are subject to change without any notice.

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