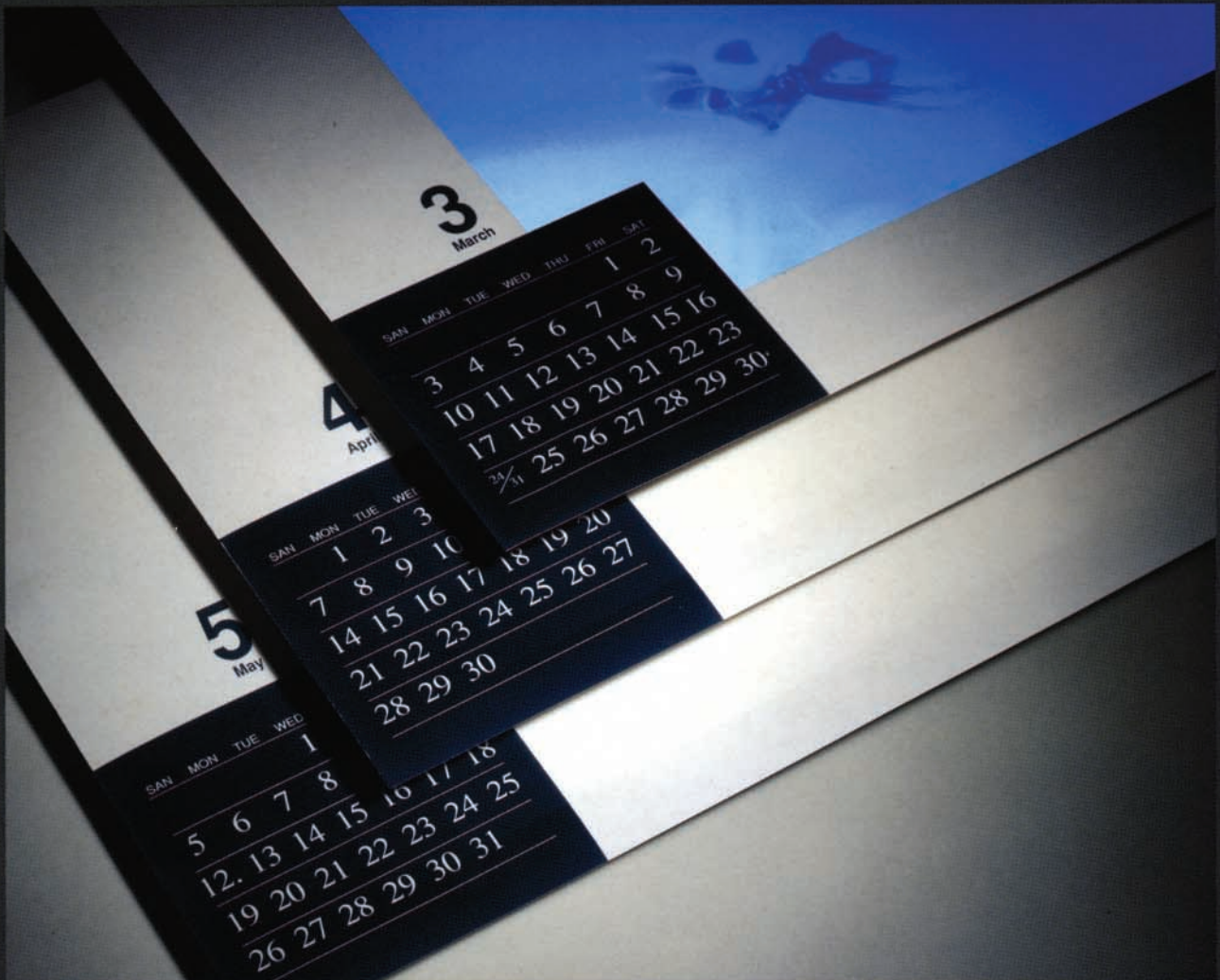


Automatic Air-Suction Collators

TC-8



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

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

New Horizon TC-8 Air-Suction Collator

Developed for substantially improving the collating economy, this new Horizon air-suction collator comes equipped with a number of good technical features of Horizon's collator engineering knowhow.

All these features will offer you the following advantages: Higher feed pile (90 mm /3.5"), Higher collating speed (3,200 sets/hr), Capable of collating a wide variety of stocks (from thin banks, NCR paper, and carbon to cardboard). The TC-8's sustained performance reliability will measure up to improving your collating productivity.

Major Features

• High Collating Speed with Inverter Control

The TC-8 air-suction collator can collate up to 3,200 sets per hour with a maximum sheet size (394 x 545 mm / 15.5" x 21.5"). Further, the built-in inverter allows the operator to set up the production speed as needed that will be best suitable for the stock quality and condition.

• Bin Capacity Expansion

The TC-8's bin capacity can be expanded up to 16 bins (2 towers) maximum. Even the two-tower operation will ensure the production speed as stable as that of the single tower operation. You can produce 3,000 sets/hour with a maximum sheet size.

• A Wide Variety of Stocks

The TC-8 can handle a wide variety of paper weight ranging from 23 to 200 gsm. Two different blowing-air systems— for ruffling and top-sheet separating—can be adjusted individually to efficiently collate different quality and type of stocks. Further, three modes of photocellsensitivity regulation can be selected to suit the different stock quality such as tissue, onion skin, thin bank, blue/black carbon, and cardboard.

• Stitching and Folding Unit

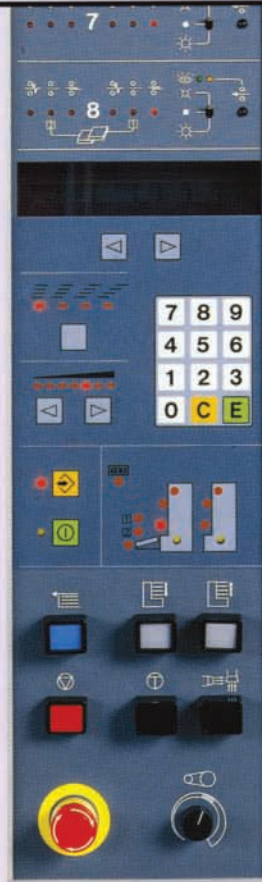
The in-line booklet making accessories such as stitching and folding unit (SPF-11 and FC-11 or SP-10) can be field-retrofitted with the TC-8.





• Large Bin Capacity

The TC-8 is equipped with larger bins capable of piling stocks up to 90 mm (3.5") high at a time, contributing to saving you much time in the stock-piling preparation.



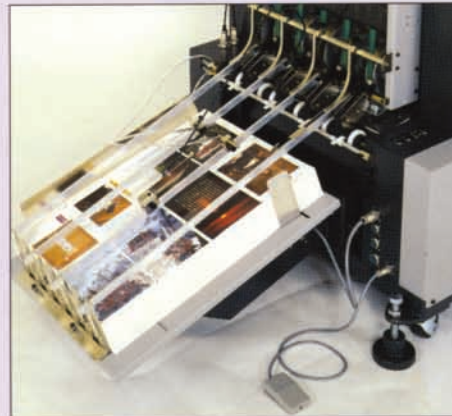
• Two Sets of Error Monitor

The TC-8 is equipped with two sets of error monitors on each panel of each module. These monitors can efficiently detect any errors in two sets being collated simultaneously.

• Programmed Collating

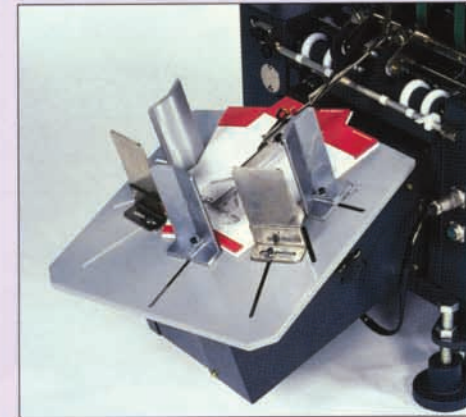
The TC-8's computer-programmed interactive system will enable the operator to set up a variety of collating modes such as odd number of sets by inputting the required data through the ten numerical keys. The input data are displayed on the liquid crystal display for easy identification.

Receiving Trays



• Standard Jogger Receiving Tray

- The standard jogger receiving tray can handle difficult-to-align papers such as NCR, thin bank, sheets with spot carbon, and so on.
- A 3-phase powerful motor built in the jogger will generate sufficient vibration to neatly align the collated sheets.
- The delivery pile height sensor built in the delivery unit will allow the jogger table to descend automatically as the delivery pile increases.
- The jogger tray can be reset to the starting position simply by pressing the foot pedal.



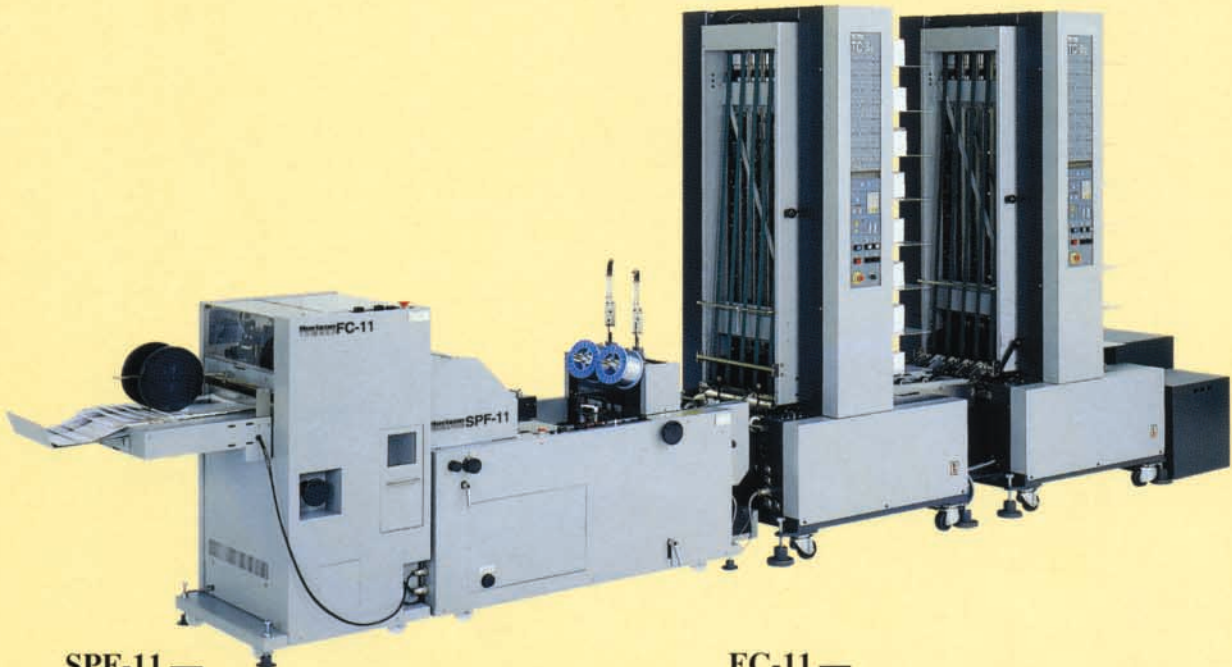
• Optional Criss-Cross Receiving Tray — Model CR-14

- This receiving tray is timed to swing 30° criss-cross alternately at each collating sequence to mark off each collated set for easy and quick separation later.
- The receiving dimensions on the tray may be adjustable by aligning the receiving guides to the scales to suit the size of the paper to be handled.
- The maximum sheet size this tray can accommodate is 318 x 470 mm (12.5" x 18.5").
- This tray is also arranged to descend automatically as the delivered pile increases.

System Expansion Options:

Stitching and Folding System Model SPF-11
Fore-edge Trimmer Model FC-11

The stitching and folding unit and the fore-edge trimming unit can be combined with the TC-8 for streamlining a series of in-line booklet making operations, contributing to a substantial productivity improvement.



SPF-11 — Stitching and Folding Unit

If this system unit is integrated with TC-8 collator, you can automate a booklet making system which will jog, stitch, and fold the collated sets in an in-line operation. And this unit has the following features.

- **Jogging and Stitching**
 - The collated sets are neatly jogged by the front and side joggers.
 - The stitching position can be easily set up by the handwheel.
 - The maximum stitching thickness is 4 mm.
 - A safety cover over the stitching station prevents possible hazards.
 - Optional three- or four-stitcher heads are available.
- **Folding**
 - The knife folder with extra pressure rollers produces sharp folds.
 - The stitching head, roller gap and folding knife can be easily adjusted to suit the varying side and thickness of booklets.
 - The folding section is covered by a safety guard.

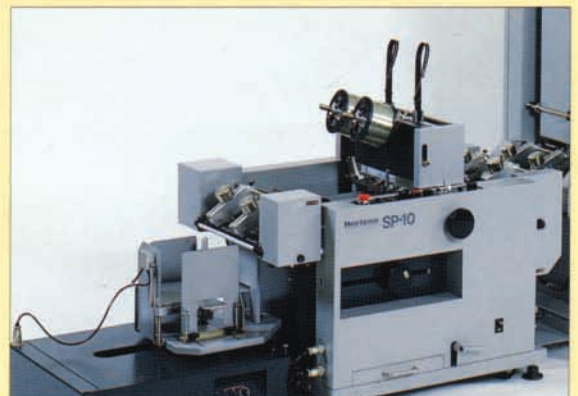
FC-11 — Fore-edge Trimmer

By adding the fore-edge-trimmer, the booklets can be processed in an in-line production system. As soon as the trimming process is completed, booklets can be ready for packing and shipment.

Stitching Unit SP-10

Combined with the TC-8 collator, this stitching unit is provided with the following features which will help you increase the in-line booklet making productivity.

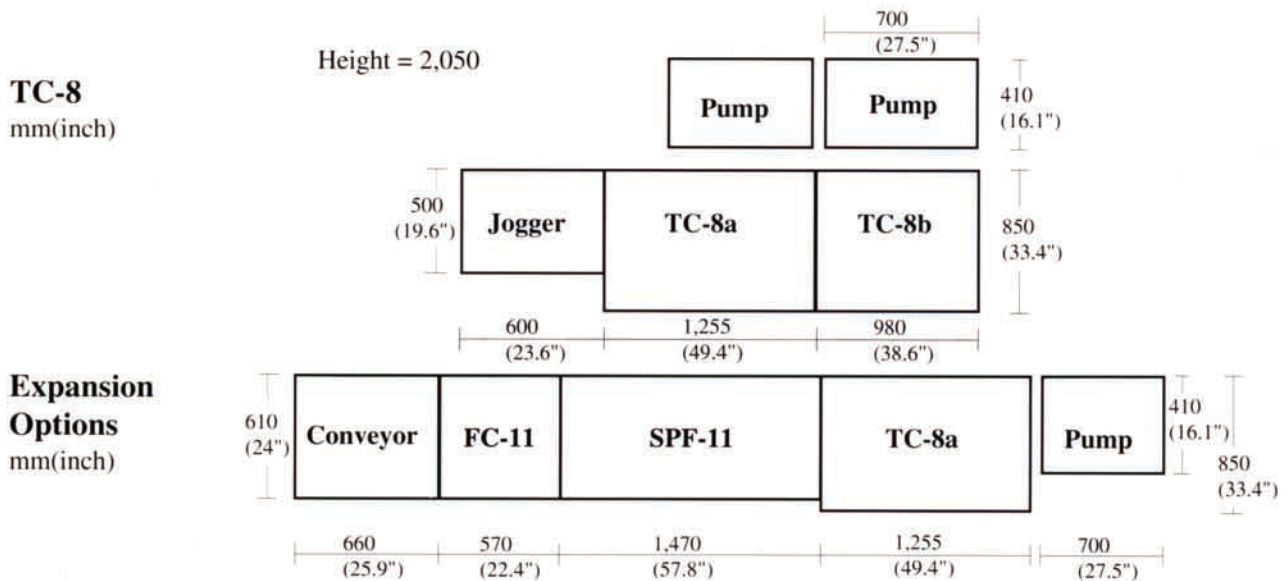
- Collated sets are jogged and stitched in one controlled sequence.
- The SP-10 can be used either for flat stitching or for corner stitching.



Major Specifications

Model	TC-8	Jogger Vibration Detectors	Unbalanced Weight System Jamming, Misfeed, and Double Feed Detectors
Number of Bins	8/16 bins	Power	200 V 3-Phase 50/60 Hz 400 V 3-Phase 50 Hz
Sheet Size	148 x 210 mm to 394 x 545 mm (5.8" x 8.3" to 15.5" x 21.5")	Power Consumption (One Module)	50Hz2.5 kW 60Hz2.6 kW
Paper Weight Range	23 gsm to 230 gsm	Machine Weight	TC-8a562 kg (1,240 lb) TC-8b516 kg (1,138 lb) Pump162 kg (358 lb)
Bin Pile Height	90 mm (3.5")		
Production Speed	230 to 3,200 sets/hr (8 bins) 230 to 3,000 sets/hr (16 bins)		
Delivery Pile Height	120 mm (4.7")		
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Model	SPF-11	Stitching Pitch	Adjustable within the range from 80 to 280 mm (3.1" to 11")
Sheet Size	210 x 210 mm to 330 x 470 mm (8.3" x 8.3" to 13" x 18.5")	Stitching Wire Diameter	0.52 mm (Standard)
Stitching & Folding	210 x 210 mm to 330 x 470 mm (8.3" x 8.3" to 13" x 18.5")	Stitching Thickness	4 mm (0.16")
Top Stitching	148 x 210 mm to 330 x 364 mm (5.8" x 8.3" to 13" x 14.3")	Production Speed	2,600 booklets/hr
Corner Stitching	148 x 210 mm to 330 x 297 mm (5.8" x 8.3" to 13" x 11.7")	Power	100 V 50/60 Hz, 120 V 60 Hz, 230 V 50 Hz
Stitching Motion	All stitching heads are cam-operated simultaneously	Power Consumption	300 W
		Machine Weight	271 kg (598 lb)
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Model	FC-11	Production Speed	2,600 booklets/hr (in sync with SPF-11)
Cutting Dimensions	Back to Fore-edge : 99 mm to 225 mm (3.9" to 8.9")	Power	100 V 50/60 Hz, 120 V 60 Hz, 230 V 50 Hz
Booklet Size	99 x 200 mm to 255 x 320 mm (3.9" x 8" to 8.9" x 12.6")	Power Consumption	300 W
Trimming Margin	15 mm (0.6")	Machine Weight	170 kg (375 lb)
Cutting Thickness	44 sheets of 81.4 gsm stock		
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Model	SP-10	Production Speed	2,350 booklets/hr (2 sheets) 1,600 booklets/hr (12 sheets) 1,300 booklets/hr (16 sheets)
Sheet Size	182 x 257 mm to 318 x 470 mm (7.2" x 10.1" to 12.5" x 18.5")	Power	100 V 50/60Hz, 120 V 60 Hz, 220/240 V 50 Hz
Stitching Pitch	Adjustable within the range from 80 to 280 mm (3.1" to 11")	Power Consumption	325 W
Stitching Motion	Stitching heads are cam-operated simultaneously.	Machine Weight	130 kg (287 lb)
Stitching Thickness	4 mm (0.16")		

Installation Space



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

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