

Automatic Air Suction Collators

TAC

Series



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

Horizon
B i n d i n g S

The machine that enables collation of any number of sets, with increased paper variety.

Features

TAC is capable of accommodating the collation of large format (up to A2 size) forms and calendars printed on a variety of paper from the very light poor quality to heavy coated and textured sheets.

Even when collating the largest sheet sizes, it is possible to achieve up to 3,200 sets per hour from a single tower. Speeds are electronically variable to accommodating even the most difficult papers with ease.

An added plus for large, coated-paper calender jobs, the TAC series can be combined to form a 16-bin configuration, for one-step collations.

Horizon's monitoring system indicates the precise locating in the event of an error, so that problems can be detected with ease from start to finish.

One operator can quickly set up or change over the machine even when going from the minimum to maximum sheet size. A wide range of stocks are accommodated with minimum effort.

Horizon's memory control button puts the TAC series ahead of all the rest. With the touch of this button, TAC will hold your job code in memory, whereby you can check the first completed set before production begins.



TAC -fully automatic air-suction collators

The TAC series enables collation of any number of completed sets, for two-to-three-sheet jobs.

Functions

Versatile bin use

For tab functions, any 2 bins can be used.

Accommodating differences in paper

Depending upon the condition of delivery and quality of paper used, adjustment of the length of overlap can be achieved for each job.

Advancement in error detection

TAC monitor lamps are able to detect and indicate the precise location of an error. Should the error occur somewhere between a collated set and the following set, the monitor lamp will indicate the precise location. This minimizes down time as compared to competitive system.



TAC-8

Quiet but hard-working

The soundless jogger is able to hold a pile of up to 12cm (4.7"), with an automatic shut-down mechanism when maximum capacity is reached.

Consolidated design

The vacuum pump is enclosed by a sound-proof cover, and included in the step box for compact, space-saving design.

Receiving Trays

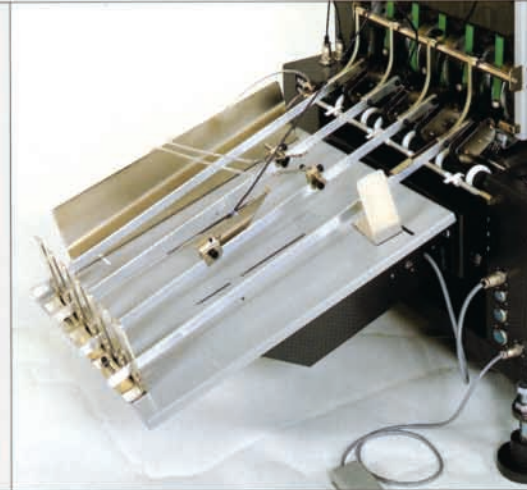


THE SHEET FEEDING MECHANISM

The high capacity feed stations provide maximum production in between re-loads.

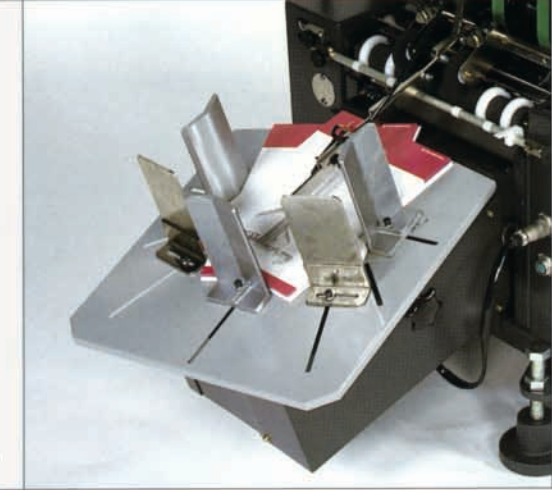
Accurate feeding is maintained by the easy accessible paper feed controls.

Each bin raises automatically to the correct height according to the quality and weight of paper being used. Ruffling and top sheet separation air are easily adjusted at each station to insure smooth feeding of even the most difficult stocks. Absolutely no tools are required.



The Standard Jogger Receiving Tray

This tray was designed specifically to handle difficult-to-align papers such as NCR paper, or those sheets with spot carbon. In order to assure a perfectly aligned stack of collated sets, the jogger, run by an independent motor, vibrates the sets into place. The tray also descends automatically as it receives the collated sets. To reset the jogger receiving tray and continue operation, simply push the foot pedal.



The Optional Criss-Cross Receiving Tray CR-14-5

This tray automatically swings 30° after delivery of each collated sequence, making it the perfect tray for jobs such as multi-page booklets.

The receiving guides may be adjusted according to the scales provided, allowing for exact receipt of the collated sets. The tray descends automatically as its delivered pile increases. Maximum paper size for this tray is 470mm x 318mm (18.5" x 12.5").



OPERATION PANEL AND SENSOR

Horizon's highly advanced sensor and electronic controls make for adjustment-free, easy operation. Presetting of the number of completed sets per grouping, the total count, as well as placement of the front and back covers allows for flexibility or programming.

State-of-the-art sensors detect such errors as miss or double sheet feeding, incorrectly aligned sheets, as well as imperfect sheets.

ALL-IN-ONE, SIMPLE SYSTEM EXPANTION

Stitching and Folding System Model SPF-11 and Fore-edge Trimmer Model FC-11 can be attached to the TAC series for in-line job completion.

Stitching and Folding System Model SPF-11 performs three types of stitching: stitching and folding, top stitching and corner stitching. Maximum paper size: 470mm x 330mm (18.5" x 12.9")

With the addition of the **Model FC-11 Fore-edge Trimmer**, the entire process of booklet production can be accomplished in-line. Maximum paper size: 240mm x 330mm (9.4" x 12.9")



Major Specifications

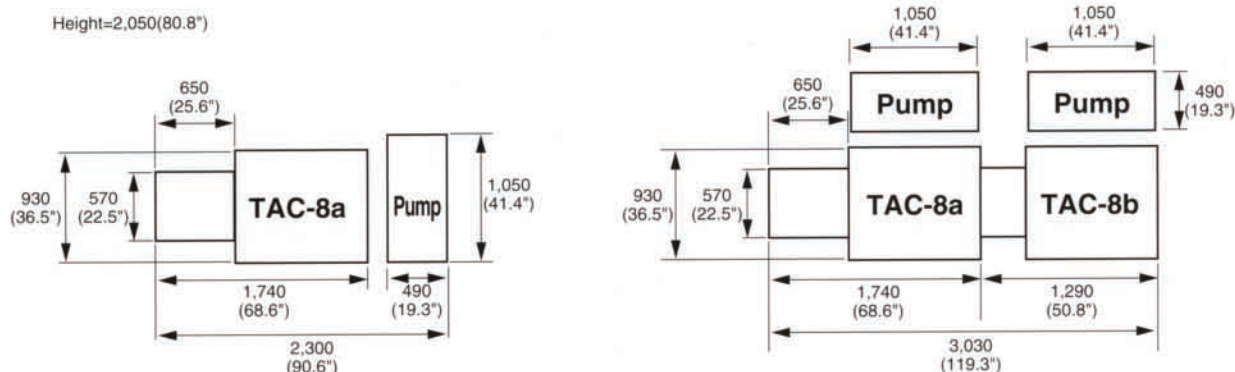
MODEL	TAC		
Number of Bins	8 / 16	Production Speed	230 to 3,200 / hr. (8 bins) , 230 to 3,000 / hr. (16 bins)
Sheet Size	Max. : 470 x 636 mm (18.5" x 25.0") Min. : 148 x 210 mm (5.8" x 8.3")	Delivery Pile Height	120mm (4.7")
Paper Weight Range	23 gsm to 230 gsm	Jogger Vibration	Unbalanced Weight System
Feed Pile Height	90 mm (3.5")	Detectors	Jamming, Misfeed, and Double Feeding Detector
Sheet Feeding System	Air Suction System	Voltage/Frequency	200 V 3-Phase 50/60 Hz, 380 /415V 3-Phase 50 Hz
		Machine Weight	Single module : 748 kg (1,650 lb) Double module : 1,463 kg (3,226 lb)

MODEL	SPF-11		
Sheet Size	Stitching & Folding Max.: 330 x 470 mm (12.9" x 18.5") Min. : 210 x 210 mm (8.3" x 8.3")	Stitching Wire Diameter	Standard : 0.52 mm
	Top Stitching Max.: 330 x 364 mm (12.9" x 14.4") Min. : 148 x 210 mm (5.8" x 8.3")	Stitching Thickness	Max. : 4 mm (0.16")
	Corner Stitching Max.: 330 x 297 mm (12.9" x 11.7") Min. : 148 x 210 mm (5.8" x 8.3")	Production Speed	2,600 booklets / hr.
Stitching Motion	All stitching heads are cam-operated simultaneously.	Voltage/Frequency	100 V 50/60 Hz , 3.0A/2.9A 120 V 60 Hz , 3.3A 230 V 50 Hz , 1.4A
Stitching Pitch	Adjustable within the range from 80 to 280 mm (3.1" to 11")	Machine Weight	271 kg (598 lb)

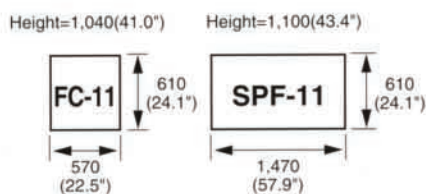
MODEL	FC-11		
Cutting Dimensions	Back to Fore-edge : 99 to 225 mm (3.9" to 8.9")	Production Speed	2,600 booklets / hr. (in sync with SPF-11)
Booklet Size (Before Trim)	Max.: 240 x 330 mm (9.4" x 12.9") Min. : 100 x 200 mm (4.0" x 7.9")	Voltage/Frequency	100 V 50/60 Hz , 5.8A/5.1A 120 V 60 Hz , 5.0A 230 V 50 Hz , 3.4A
Trimming Margin	15 mm (0.6")	Machine Weight	170 kg (375 lb)
Cutting Thickness	44 sheets of 81.4 gsm stock		

Installation Space

Entire System : mm (inch)



Expansion Options : mm (inch)



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

Distrubuted by

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