Advanced Programming

The VAC-100 is equipped with powerful, easy-to-use programming functions that allow truly continuous production. These programs can be operated independently or together, for top productivity and performance.

Divide-By-Two

In Divide-By-Two mode, the number of stations you have are divided by two. You load the first section, start production, then load the second section. When any one station empties, the system automatically switches over to the second section, allowing you to reload the first section.

Dual Cover Insertion

In Dual Cover Insertion mode, the top two stations are prepared for feeding heavy-weight covers. When one cover station empties, the VAC-100 automatically switches over to the other cover station. This eliminates the need to halt production to reload covers.

Job Memory Settings

The VAC-100 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.
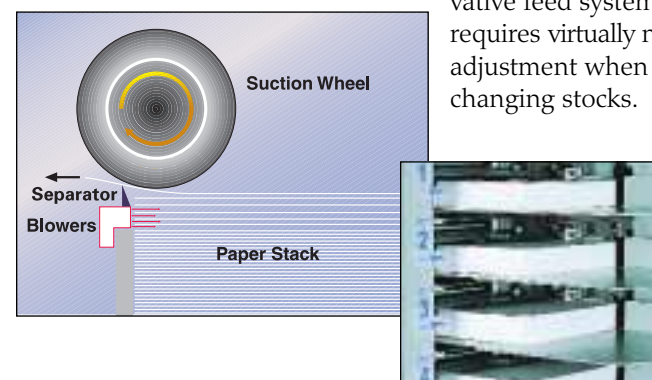
User-Friendly Touch-Screen Control Console And Remote Control

The VAC-100 is equipped with a touch-screen display panel that is extremely easy to use. The graphical interface allows anyone in your production area to operate the VAC-100 Collator, without any special skills or training.

Revolutionary Feed System

The heart of the SpeedVAC system is the VAC-100's patented rotary vacuum-pulse feeding system, that provides super-reliable feeding on nearly all paper stocks. This innovative feed system requires virtually no adjustment when changing stocks.

Suction Wheel

Separator

Blowers

Paper Stack

Specifications

VAC-100

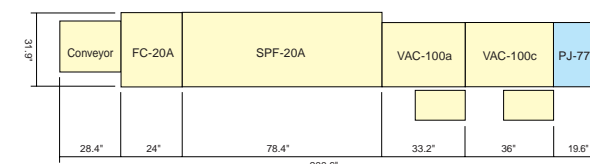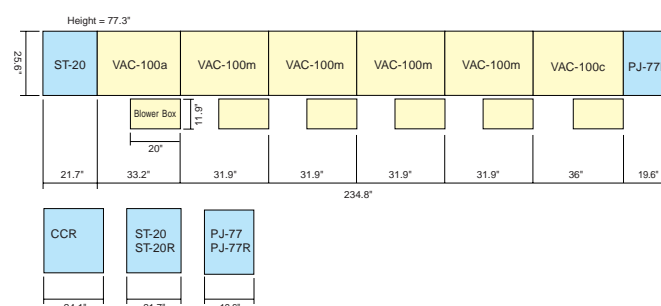|	
Number of Stations	10, 20, 30, 40, 50 or 60 stations (up to six towers of 10 stations each).
Paper Weight Range	11 lb. up to 12 pt. cover (and higher depending on grain and stock).
Bin Pile Height	2.2"
Error Detection	Miss, double, jam and bin-empty (opacity photocell), all errors indicated regardless of speed or programming.
Production Speed*	See inside chart.
Sheet Size (Min./Max.)	4.75"* x 5.8" to 14" x 20" *with narrow sheet guide.
Power Requirement/Consumption	220 V AC, 60 HZ, Single Phase / 1,700 W, 9 amps.
Weight/Dimensions	VAC-100 Towers — 639.5 lbs. / 26" L x 32" W x 77" H.
Features	Operating speeds up to 9,720 sets per hour, advanced programming for non-stop productivity; patented rotary-pulse vacuum feeding system allows for feeding a wide variety of paper stock; all towers can be programmed to feed to the front or rear of the system; touch screen control console; remote control; air stream delivery; job memory storage of up to 9 jobs.
Accessory Options	SPF-11 and SPF-20 Stitching/Folding units; FC-11 and FC-20 Face Trimming units; SP-1 Single and SP-10 Multiple-Head Stitchers; PJ-77 Vibrating Jogger**; ST-20 Offset Stacker**; CCR 90° Criss-Cross Stacker**; auxiliary air units. **Also available for rear exit.

SPF-20/20A STITCHING & FOLDING SYSTEM

Application	Corner/Side/Top Stitching	Saddlestitching
Min./Max. Sheet Sizes	5" x 7" min. to 14" x 16.75" max.	4.75" x 7" min. to 14" x 20" max.
Maximum Thickness	Up to .25" (Up to ⅜" with optional head)	Up to 24 sheets of 50 lb. offset.
Production Speed*	Up to 3,600 sets/hour.	Up to 3,600 booklets/hour.
Power Requirement/Consumption	220 V AC, 60 HZ, single or 3-Phase / 450 W, 5 amps.	
Weight/Dimensions	1,034 lbs., 1,080 lbs.(SPF-20A) / 78" L x 29" W x 44" H.	
Features	Automatic set-up on SPF-20A; variable speed; integrated hand-feed; two Hohner stitching heads standard; knife fold with dual set of fold rollers; stitch-head skew adjustment; adjustable fold plate; air-assist jogging; external adjustments on the fly.	
Options	Two additional stitch heads; auxiliary air units; 48" LC-20 Extended Conveyor; PK-20 Batch Kicker to separate predetermined lots; PN-20 Single Sheet Inserter.	

FC-20/20A FACE TRIMMER

Trimming Mechanism	Shear-action scissor system (self-sharpening).
Cutting Dimensions	Back to front edge 3.3" to 9.9"
Min./Max. Trimmed Booklet Size	3.3" x 4.75" to 9.9" x 14"
Maximum Trim	.6"
Cutting Thickness	48 sheets of 50 lb. offset.
Production Speed*	Up to 3,600 booklets per hour.
Power Requirement/Consumption	220 V AC, 60 HZ, single or 3-Phase / 200 W, 5 amps.
Weight/Dimensions	507 lbs., 529 lbs.(FC-20A) / 24" L x 29" W x 42" H.
Features	Automated set-up on FC-20A; 25" variable speed exit conveyor; air-blast trim removal into slide-out scrap drawer; easy blade removal; extra set of cutting knives.
Options	48" LC-20 Extended Conveyor, PK-20 Batch Kicker to separate predetermined lots.

* Production rates are based on optimal operating conditions and may vary depending on stock and environmental conditions. As part of our continuous product improvement program, specifications are subject to change without notice

COLLATING AND SADDLESTITCHING SYSTEM

STANDARD
Our Standards Are Simply Better.

STANDARD

A New Dimension In Space And Time…

The Standard Horizon SpeedVAC™
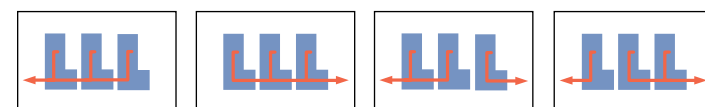
Collating and Saddlestitching System

*The **SpeedVAC**™ System combines speed, quality and simplicity for commercial printers, in-plant printers and trade binders who want to maximize their collating and saddlestitching productivity, and their profits.*

The Standard Horizon VAC-100 Collator combined with SPF-20 Stitcher/Folder and FC-20 Trimmer is designed for commercial and in-plant printers who demand superior print finshing.

Productivity Equals Profits

The SpeedVAC is not only the most reliable vacuum-feed system on the market, it's far and away the most productive. For example, 20 sheets can be collated at over 5,000 sets per hour. Dual direction feeding allows the SpeedVAC to run simultaneously in both directions. VAC-100 towers can be combined with the full range of Standard Horizon SPF/FC Series stitching, folding and face trimming units to form an ultra-reliable, highly-productive saddlestitching system.

Modularity And Flexibility

The SpeedVAC System is expandable from one to six towers, for up to 60 feed stations. For maximum flexibility, each SpeedVAC tower can run full speed in either direction. The operator can run sets into a bookletmaker at the front of the system, while at the same time collating straight- or offset-stacked sets out the rear of the system.

For example, a three tower system can be divided as follows:
- Three towers left delivery.
- Three towers right delivery.
- Two-towers left delivery and one-tower right (with simultaneous operation).
- One-tower left delivery and two-tower right (with simultaneous operation).
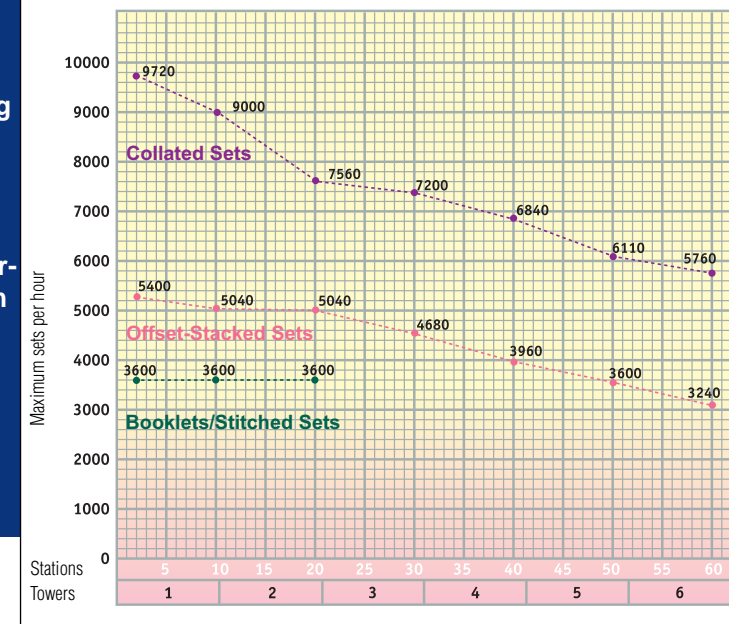

The intelligent display shows the operator the type and location of any feed error at a glance, for quick resolution; collation stops immediately in the event of an error. The operator can also set error detection sensitivity for the opacity sensors at each station, to maximize performance for different paper thickness and quality.

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.

SpeedVAC™ Productivity Chart

*Actual production may vary depending on stock and environmental conditions.

The SpeedVAC System delivers unparalleled productivity — up to 3,600 booklets per hour, up to 9,720 straight-stacked sets per hour, and up to 5,400 off-set stacked sets per hour. Plus you can double these numbers by placing finishing at both ends of the system.

The SpeedVAC System is expandable from one to six towers, for up to 60 feed stations in a minimum footprint. For maximum flexibility, each SpeedVAC tower in a system can run in either direction.

Standard offers a complete range of precision-engineered finishing accessories. You can choose from offset, criss-cross and vibrating stackers; two models of stitcher/folder combination units and two models of face trimmer; and two stitch-only models. These accessories can be combined in various configurations for optimum flexibility and continuous high-speed productivity. An optional 48" extended conveyor and batch kicker add long-run ease and convenience.

The ST-20 Stacker delivers tightly collated sets in an offset stack off the front of the system. The ST-20R performs the same function out the rear of the system. Collated sets can easily be unloaded and moved using the wheeled pallet. The VAC-100 automatically resumes feeding when the stacker is raised to its home position.

The SPF-20/FC-20 high-speed, heavy-duty saddlestitching system is equipped with two Hohner stitching heads for extra system reliability and efficiency. Operating speed and ease of set-up and changeover make these heads perfect for higher-volume users. The SPF-20A/FC-20A model is equipped with fully-automated set-up and changeover.

The popular SPF-11/FC-11 Bookletmaker has become established as an industry standard. Equipped with two Magnatec stitching heads (maximum 4 heads), the SPF-11 is best suited for short to medium run lengths.

The SP-10 performs side, top and corner stitching with two Magnatec stitching heads. This unit is basically the same construction as the SPF-11 and features the same reliability and efficiency. The SP-1 is a single corner stitching device that features one Magnatec stitching head.

The criss-cross receiving tray swings 90 degrees after each cycle, providing clearly separated sets to simplify handling. It can also be added to the SPF-11 or the SP-10 Multiple Head Stitcher for stacking corner- and side-stitched sets.

The PJ-77 and PJ-77R are vibrating and descending joggers for attachment to the front or rear of the VAC-100 System (rear-exit option required for rear delivery). Driven by a separate motor, the PJ-77 and PJ-77R jog collated sheets into perfect alignment and lower automatically in step with the system's collating speed.

STANDARD