

Horizon

VAC-60H

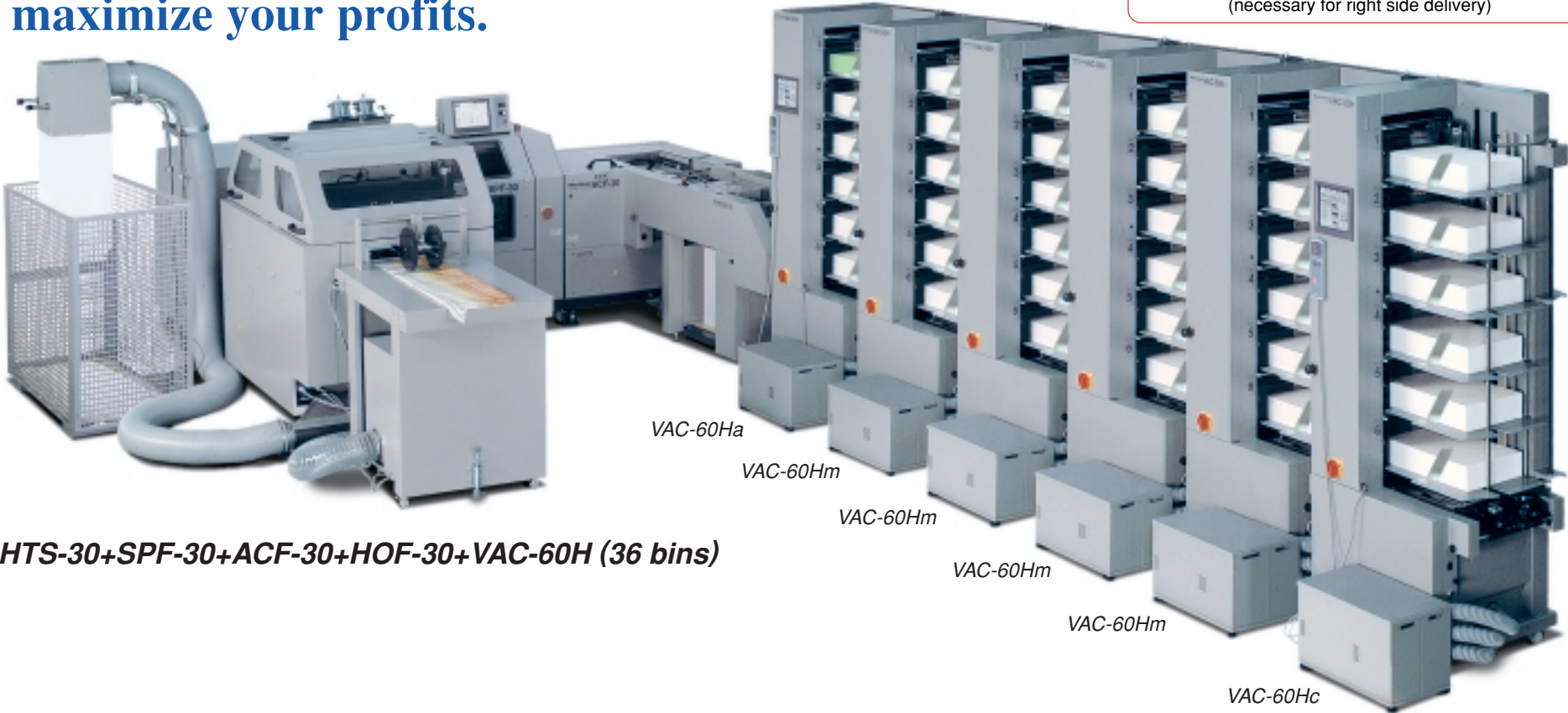
Deep Pile

Air Suction Collator



ST-20+VAC-60Ha+VAC-60Hc+PJ-77R

Adding more efficiency and productivity to the well-established VAC-100, the VAC-60H will maximize your profits.



- **Module Configuration and Features**
Tower **a** : Front module with the touch-screen display.
Tower **m** : Extension module without the touch-screen display.
Tower **c** : Rear module with the touch-screen display.
(necessary for right side delivery)

Features

- ▶ **Bin Pile Height 130 mm (5.11")**
Maximum pile height is 130 mm, enabling the system to run more than 15 minutes when collating 80 gsm normal paper. (with bookletmaker attached)
- ▶ **Suction Rotor Feeding**
Horizon’s unique suction rotor feeding system operates effectively on a wide variety of paper stocks. Even signatures can be fed consistently.
- ▶ **High Speed Collating**
Maximum production speed is 9,900 sets/hr. (A5LEF, Straight Receiving)
- ▶ **System Expansion**
Expandable up to 6 towers, 36 feed bins. The VAC-60H can be connected with Horizon SPF-20/FC-20 series and the StitchLiner5500 to form a complete in-line bookletmaking system.
- ▶ **Touch-screen Display**
All operations can be performed via the user-friendly touch-screen display. The remote control allows for monitoring system operation while loading or unloading the system, and is provided as standard equipment.

Functions

- ▶ **Air Blower OFF for Unused Bin**
Air blower on unused bins is shut off automatically to reduce sheet drying or curling.
- ▶ **Self-locking Sheet Guide**
A single arm sheet guide system is self-locking as soon as the machine starts. This innovative system saves time in setting up the bins.
- ▶ **Program Collation**
The VAC-60H is equipped with advanced programming functions such as Double Cycle, Dual Cover Feed, and Preset Tabbing.

Continuous Uptime Comparison of VAC-60H with VAC-100

High Capacity = Continuous Collating

VAC-60H bin loading time is reduced, and the operator has ample time to prepare stock for reloading.

	VAC-100	VAC-60H	Gain
Max. Bin Capacity	55 mm (2.16")	130 mm (5.11")	36 %
Continuous Collating*	6.5 min	15.6 min	40 %

* 5,000 cycles/hr., using 80 gsm normal paper for both VAC-60H and VAC-100.

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- Tower c : Rear module with the touch-screen display. (necessary for right side delivery)

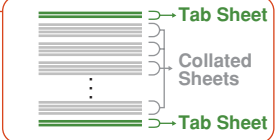
User-friendly Touch-screen Display



- The graphical user interface allows anyone to operate the VAC-60H, without any special skills or training.
- Mis-feeding, double feeding, and jamming are detected by opacity sensors on each bin. Up to 8 feed error history can be monitored on the screen.
- All operating errors or jams are graphically illustrated on the screen for easy identification and quick resolution.
- 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.

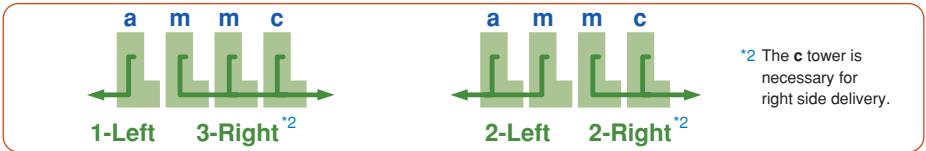
Efficient Programming Functions

- Double Cycle
- Dual Cover Feed
- Preset Tabbing



Left and Right Side Delivery^{*2}

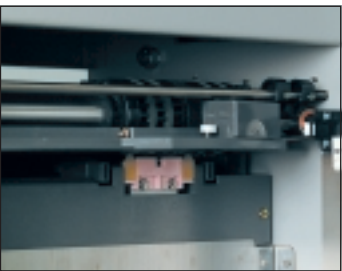
- The operator can run sets into the bookletmaking system at the left side, while at the same time collating straight sets into the receiving tray on the right side of the system.
- The right side delivery is useful for collating reverse-numbering jobs because the sheets are turned over during transport.



Memorize Frequent Job Settings

- Collating speed, type of program used, number of bins used, and sensor sensitivity settings are stored in the system memory for quick restart of regular job.
- Up to 9 different jobs can be memorized.

Reliable Suction Rotor Feeding



- Horizon's unique suction rotor feeding system can feed paper weighing from 52 gsm tissue paper to 208 gsm cardboard.
- The feed wheel employs a special, highly durable rubber for totally mark-less feeding.
- Feed height sensors and air blowers allow a wide range of sheet to be fed.
- The air blower on unused bins is cut off to reduce sheet curling caused by sheet drying.

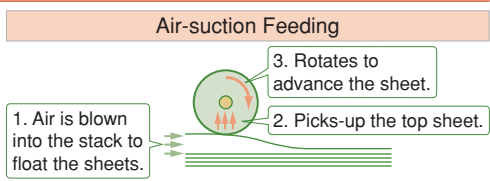
Advanced Bins



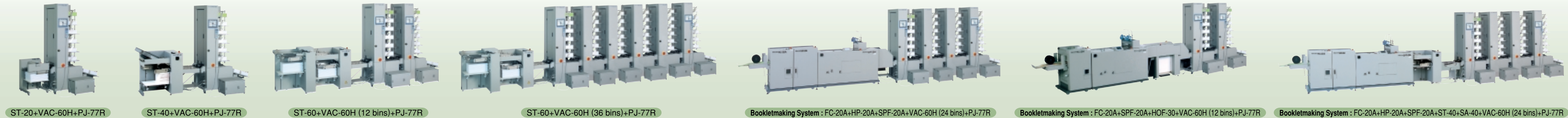
- Maximum pile height is 130 mm (5.11"). Available sheet size is 120 x 148 mm (4.73" x 5.83") to 350 x 500 mm (13.77" x 19.68").
- Newly-developed single arm sheet guide will reduce sheet set-up time in the bins. The sheet guide is self-locked as soon as the machine starts.
- Blower air can be adjusted simply and easily.

What is suction rotor feeding?

Air is blown into the stack to float the sheets. The air rotor then picks-up the top sheet and rotates to advance the sheet.



System Configurations for Collating, Stacking, Stitching and Bookletmaking



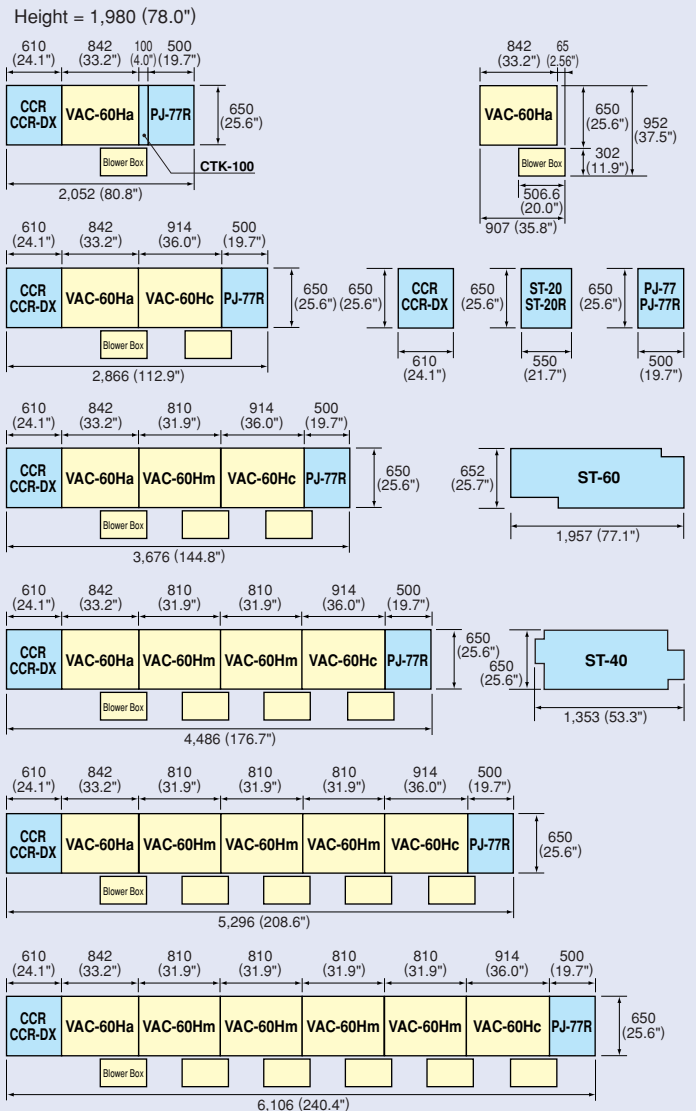
VAC-60H Major Specifications

Module Configuration		VAC-60Ha / VAC-60Hm / VAC-60Hc					
Number of Bin		6 bins	12 bins	18 bins	24 bins	30 bins	36 bins
Sheet Feeding System		Suction Rotor Feeding System					
Sheet Size		Max. 350(W) x 500(L) mm (13.77" x 19.68")					
		Min. 120(W) x 148(L) mm (4.73" x 5.83")					
Sheet Weight Range		52 gsm to 208 gsm					
Bin Pile Height		Max. 130 mm (5.11")					
Sheet Overlap		4 Steps					
Collating Interval		Automatic Setting and Variable Setting					
Production Speed *		Max. 9,900 sets/hr. (A4LEF, Straight Receiving)	Max. 7,000 sets/hr.	Max. 6,600 sets/hr.	Max. 5,000 sets/hr.	Max. 4,500 sets/hr.	Max. 4,000 sets/hr.
		Max. 9,600 sets/hr. (A4LEF, Straight Receiving)	(A4LEF, Straight Receiving)	(A4LEF, Straight Receiving)	(A4LEF, Straight Receiving)	(A4LEF, Straight Receiving)	(A4LEF, Straight Receiving)
Receiving Tray		Criss-Cross : CCR-DX / CCR, Stacker : ST-60, ST-40, ST-20/20R, Jogger : PJ-77/77R					
Receiving Tray Capacity		Criss-Cross CCR-DX / CCR : A5-A4 170 mm / A4-A3 100 mm					
		Stacker ST-60 : Tray A (R) 360 mm / Tray A (L) 580 mm, ST-40 : 360 mm, ST-20/20R : 320 mm					
		Jogger PJ-77/77R : 90 mm					
Program Collation		Double Cycle / Dual Cover Feed / Preset Tabbing / Block Feed					
Voltage / Frequency		Single Phase 200 V, 50 / 60 Hz 220 V, 50 / 60 Hz 230 / 240 V, 50 Hz					
Rated Current	200 V, 50 / 60 Hz	10.0 A	20.0 A	30.0 A	40.0 A	50.0 A	60.0 A
	220 V, 50 / 60 Hz	10.5 / 10.4 A	21.0 / 20.8 A	31.5 / 31.2 A	42.0 / 41.6 A	52.5 / 52.0 A	63.0 / 62.4 A
	230 V, 50 Hz	10.7 A	21.4 A	32.1 A	42.8 A	53.5 A	64.2 A
	240 V, 50 Hz	10.9 A	21.8 A	32.7 A	43.6 A	54.5 A	65.4 A
Power Consumption	200 V, 50 / 60 Hz	1.4 / 1.6 kW	2.8 / 3.2 kW	4.2 / 4.8 kW	5.6 / 6.4 kW	7.0 / 8.0 kW	8.4 / 9.6 kW
	220 V, 50 / 60 Hz	1.6 kW	3.2 kW	4.8 kW	6.4 kW	8.0 kW	9.6 kW
	230 V, 50 Hz	1.8 kW	3.6 kW	5.4 kW	7.2 kW	9.0 kW	10.8 kW
	240 V, 50 Hz	1.9 kW	3.8 kW	5.7 kW	7.6 kW	9.5 kW	11.4 kW
Heat Output		2,630 kJ (630 kcal)	5,260 kJ (1,260 kcal)	7,890 kJ (1,890 kcal)	10,520 kJ (2,520 kcal)	13,150 kJ (3,150 kcal)	15,780 kJ (3,780 kcal)
Motors		1.2 kW x 1	1.2 kW x 2	1.2 kW x 3	1.2 kW x 4	1.2 kW x 5	1.2 kW x 6
		0.4 kW x 1	0.4 kW x 2	0.4 kW x 3	0.4 kW x 4	0.4 kW x 5	0.4 kW x 6
		0.2 kW x 1	0.2 kW x 2	0.2 kW x 3	0.2 kW x 4	0.2 kW x 5	0.2 kW x 6
		0.1 kW x 1	0.1 kW x 2	0.1 kW x 3	0.1 kW x 4	0.1 kW x 5	0.1 kW x 6
		60 W x 1	60 W x 2	60 W x 2	60 W x 2	60 W x 2	60 W x 2
Noise Level		82.5 dB					
Machine Weight	Main Body	294 kg (648.3 lb)	588 kg (1,296.6 lb)	882 kg (1,944.9 lb)	1,176 kg (2,593.1 lb)	1,470 kg (3,241.4 lb)	1,764 kg (3,889.7 lb)
	Blower Box	17 kg (37.5 lb)	34 kg (75 lb)	51 kg (112.5 lb)	68 kg (150 lb)	85 kg (187.4 lb)	102 kg (224.9 lb)

* Production speed is limited by the type of finisher and sheet size.

Machine Dimensions Unit : mm (inch)

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Manufactured by : Taiyo Seiki Co., Ltd.

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

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