

Horizon

STITCHING

StitchLiner Series

Revolutionary new concept
in saddle-stitching technology.



THE STITCHLINER CONCEPT.

Combining the efficiency and ease of operation of flat sheet collating with the productivity, versatility and quality of a saddle-stitching system.

BENEFIT

The StitchLiner system combines all processes, from flat sheet collating, scoring, folding, and saddle-stitching through three knife trimming into a single operation.

The StitchLiner series provides user-friendly operation, high productivity and versatility for on demand, production print, and trade bindery environments.

The StitchLiner Mark III enables you to meet an expanded range of applications, with the highest throughput.



TWO TYPES OF SADDLE-STITCHING SYSTEM

STITCHLINER MARK III

The StitchLiner Mark III features expanded booklet size range and increased productivity up to 6,000 booklets per hour.

The system can produce a wider range of products, such as A4 landscape booklets and pocket booklets adding expanded application flexibility.

The system can be configured as a conventional collating system for offset print production and a high-speed sheet feeder for pre-collated digital production.

The StitchLiner Mark III enables you to meet the ever increasing requirements of the market.



STITCHLINER 6000

At up to 6,000 booklets per hour, the StitchLiner 6000 is ideally suited for landscape-oriented booklets. Ergonomic L-shaped configuration for efficient operation and space savings.



STITCHLINER MARK III TAKES BOOKLET-MAKING TO THE NEXT LEVEL.

The new StitchLiner generation delivers the highest quality booklets with greater efficiency than ever before.



BENEFIT

FULLY-AUTOMATED SETTINGS

In addition to booklet format and thickness, all necessary adjustments which includes length and balance are automated.

HIGH QUALITY

Professional quality production is achieved with newly designed systems for sheet transport and jogging, scoring and folding, stitch and fold monitoring, and positive jog register at the trimmer.

VARIABLE THICKNESS PRODUCTION

True end to end automation for variable thickness production. Variable stitch length and balance adjustment combined with variable thickness transport adjustment through the trimmer.

FORMAT EXPANSION

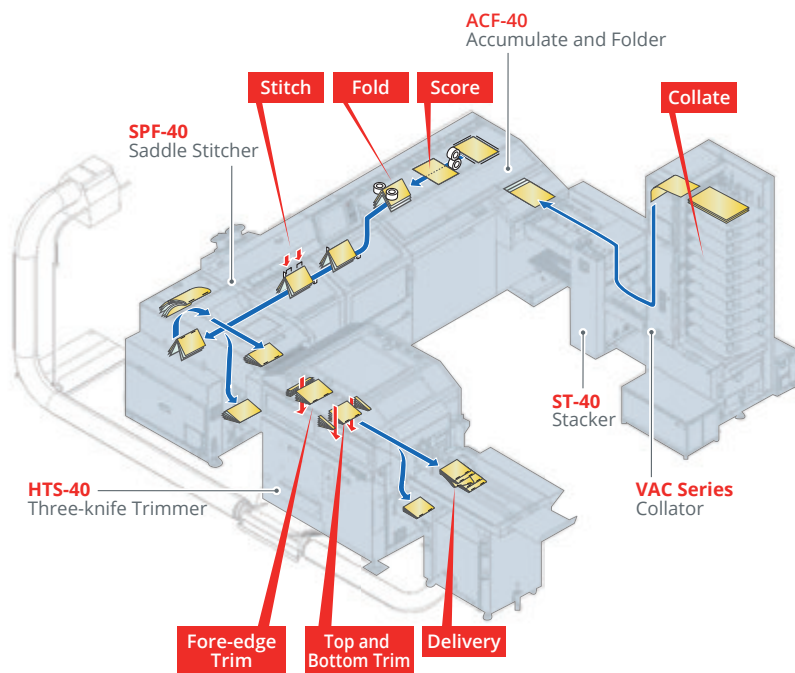
Expanded format size to meet A4 landscape large format calendar production. Higher productivity is achieved on a wider range of formats, including A4 landscape at over 5,000 per hour.

APPLICATION FLEXIBILITY

The StitchLiner Mark III can be integrated with the VAC series collator* and HOF-400 High-speed sheet feeder.

*System does not have compatibility with VAC-100a and VAC-60Ha towers. Has to be VAC-1000a or VAC-600H. Middle tower and rear tower can be VAC-100m/c and VAC-60Hm/c.

SHEET FLOW IN STITCHLINER MARK III



STITCHLINER MARK III.

From start to finish.

1 JOG SECTION



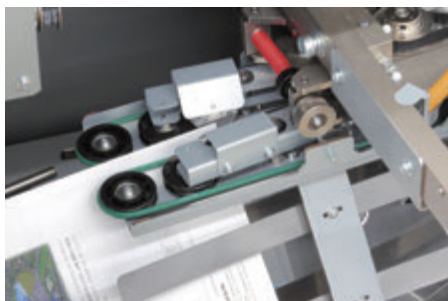
Uniquely designed transport and jogging mechanism achieves high speed production with a wider range of substrates and formats.

2 SCORING SECTION



Scoring function to reduce crack on the spine and tighter folding quality. Adjustable gap and creasing pressure to apply suitable creasing quality depending on substrate.

3 FOLD SECTION



Folding function for high quality fold for a wider range of substrates and formats. Improved folding mechanism for sharper and tighter folding quality with improved accuracy.

ACF-40 Accumulator and Folder

Uniquely designed accumulating and folding section achieves high quality and high speed production with a wider range of substrates and formats.

SPF-40 Saddle-Stitcher

Sets are jogged, stitched and transported to three knife trimmer. Stitch length and balance are adjusted automatically according to thickness information.

HTS-40 Three-Knife Trimmer

All the settings are done automatically on the fly for variable thickness production. Uniquely designed 4 side jogging achieves accurate trimming quality with 1-up or 2-up production.

4 COLOR TOUCHSCREEN



Each finishing station is automatically set in less than 10 seconds (A3 to A4 / 11" x 17" to 8.5" x 11") by simply inputting the sheet size and booklet size on the color touchscreen. Up to 999 different jobs can be saved for instant job recall.

5 STITCHING SECTION



Stitch position, stitch length and balance, stitch detection sensor position are all automated. (*Note) Extended stitch distance adjustment for a wider range of applications. Various stitching options, including, loop stitching, four stitching and center stitching are available.

*SPF-30S: 66 through 150 mm,
SPF-40: 64 through 176 mm

EXAMPLE OF INSTALLATION (FEEDING OPTIONS)

ST-40 or BC-20 Bypass Stacker

Straight or offset stacking can be achieved across a wide range of substrates. Serves as a bypass and error reject station for booklet production.

VAC Series Collator

Conventional flat sheet collator which is used for collation of offset printed work.

HIF-400 Hybrid Conveyor

The HIF-400 connects the HOF-400 with the collator to process digital and/or offset applications in one system.

AC-400 Accumulator

The AC-400 accumulates the sheets from the HOF-400 for higher productivity and auto-reject of errored sets.

BVS-400 Barcode Verification System + CV-400 Conveyor

The BVS-400 reads a barcode printed on each sheet to verify page order. The CV-400 is used to mount the barcode reader for the BVS-400.

HOF-400 High-speed Sheet Feeder

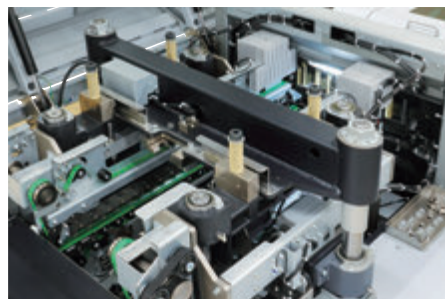
The HOF-400 feeds digitally printed sheets and transports the sheets to the next process. CF-400 cover feeder is available as an option. Capable of feeding variable sheet count with standard mark reading.

6 INFED SECTION AND FORE-EDGE TRIM SECTION



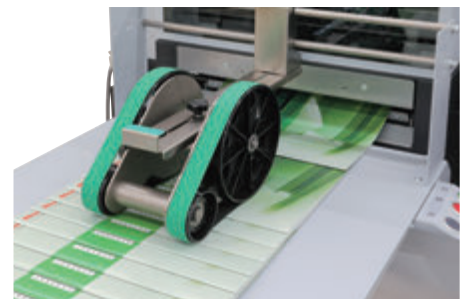
Newly designed booklet transport system provides controlled transport of booklets into the trimming section at higher speeds, even with lighter substrates and thinner booklets.

7 TOP AND BOTTOM TRIM SECTION



Booklet is jogged on four sides for accurate and consistent trimming quality. Uniquely designed air assisted trim removal to drop the trim waste efficiently. Optional center cut knives are available for 2 up production.

8 CONVEYOR SECTION



Newly designed delivery conveyor to consistently deliver finished booklets. Automated positioning of delivery roller and expended conveyor are available as an option. The optional PK-30 preset kicker can be used in a conventional manner.

STITCHLINER 6000 IDEALLY SUITED FOR LANDSCAPE-ORIENTED BOOKLETS.

For the fast and efficient production of saddle-stitching.



BENEFIT

USER-FRIENDLY OPERATION

User-friendly operation through the color touch screen and accurate automation achieve short make-ready for quick turnaround.

IN-LINE FOLDING

Folding is performed in-line to simplify the saddle-stitching workflow and improve operational efficiency.

FLEXIBLE SYSTEM CONFIGURATION

Various operational devices are available for both offset and digital printing.

SMOOTH TRANSFER

For the StitchLiner 6000, newly designed landscape feeding and straight saddle-stitching flow handles thinner paper stock and feeds larger, landscape-oriented sheets.

WORK EFFICIENCY

Ergonomic L-shaped configuration for efficient operation and space savings.

1 JOG SECTION SCORING SECTION



Gathered sheets are jogged on all four sides and registered firmly. The jogged set is precisely scored in the scoring section to produce a tight folded booklet.

2 FOLD SECTION



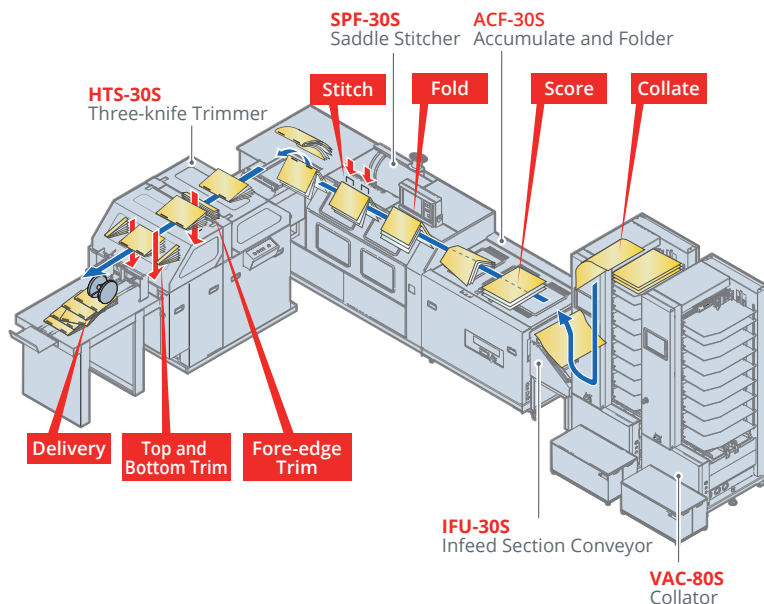
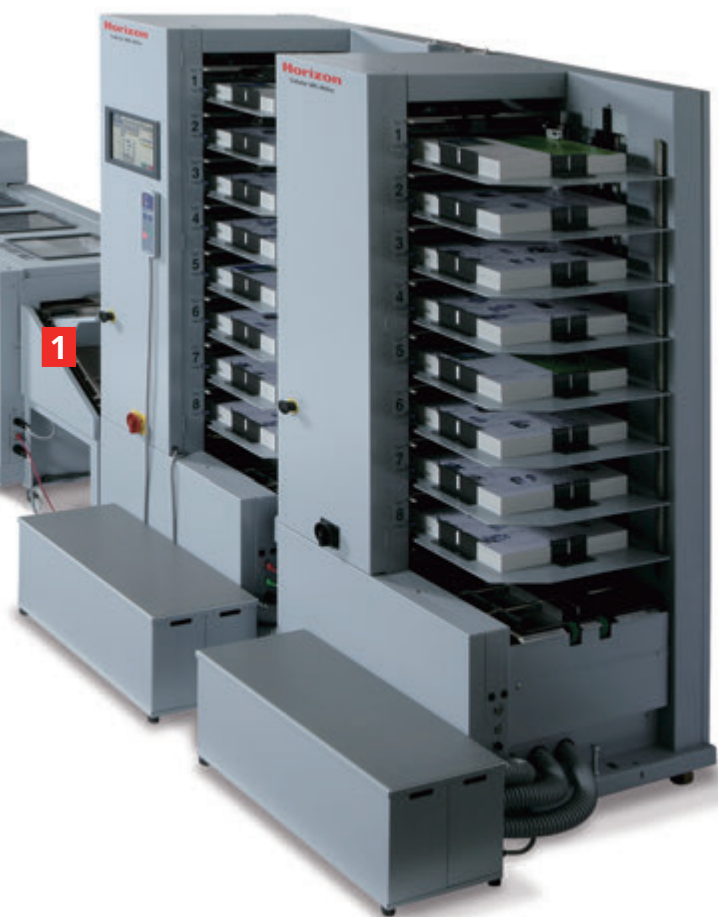
The scored sheets are folded reliably along the score line by a continuous series of forming rollers. The pressing rollers insure a sharp, tight fold.

3 COLOR TOUCHSCREEN



Each finishing station is automatically set in less than 30 seconds (A4 to A5 / 8.5" x 11" to 5.5" x 8.5") by simply inputting the sheet size and booklet size on the color touchscreen.

Five steps of speed mode and jog delay time can be adjusted depending on the sheet condition or finishing size. Up to 200 different jobs can be saved for instant job recall.



7 CONVEYOR SECTION



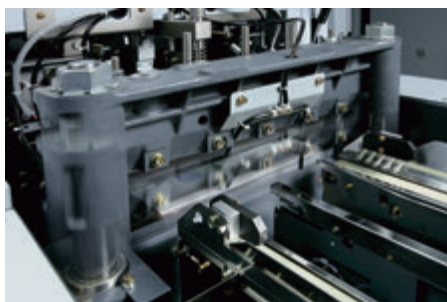
Finished booklets are neatly delivered to the exit conveyor. An optional preset kicker PK-30 separates a batch of booklets at a predetermined count.

4 STITCH SECTION



Booklets up to 10 mm thick (50 sheets of normal 80 gsm / 50 lb paper) can be stitched. The folded sets are jogged from the head and foot, then centered on the saddle by the centering mechanism before the heavy-duty stitching heads produce accurately stitched booklets. The stitch wire length is automatically adjusted according to the book thickness. Optional devices are available for a wide variety of applications such as 4-stitching and loop stitching.

5 FORE-EDGE TRIM SECTION



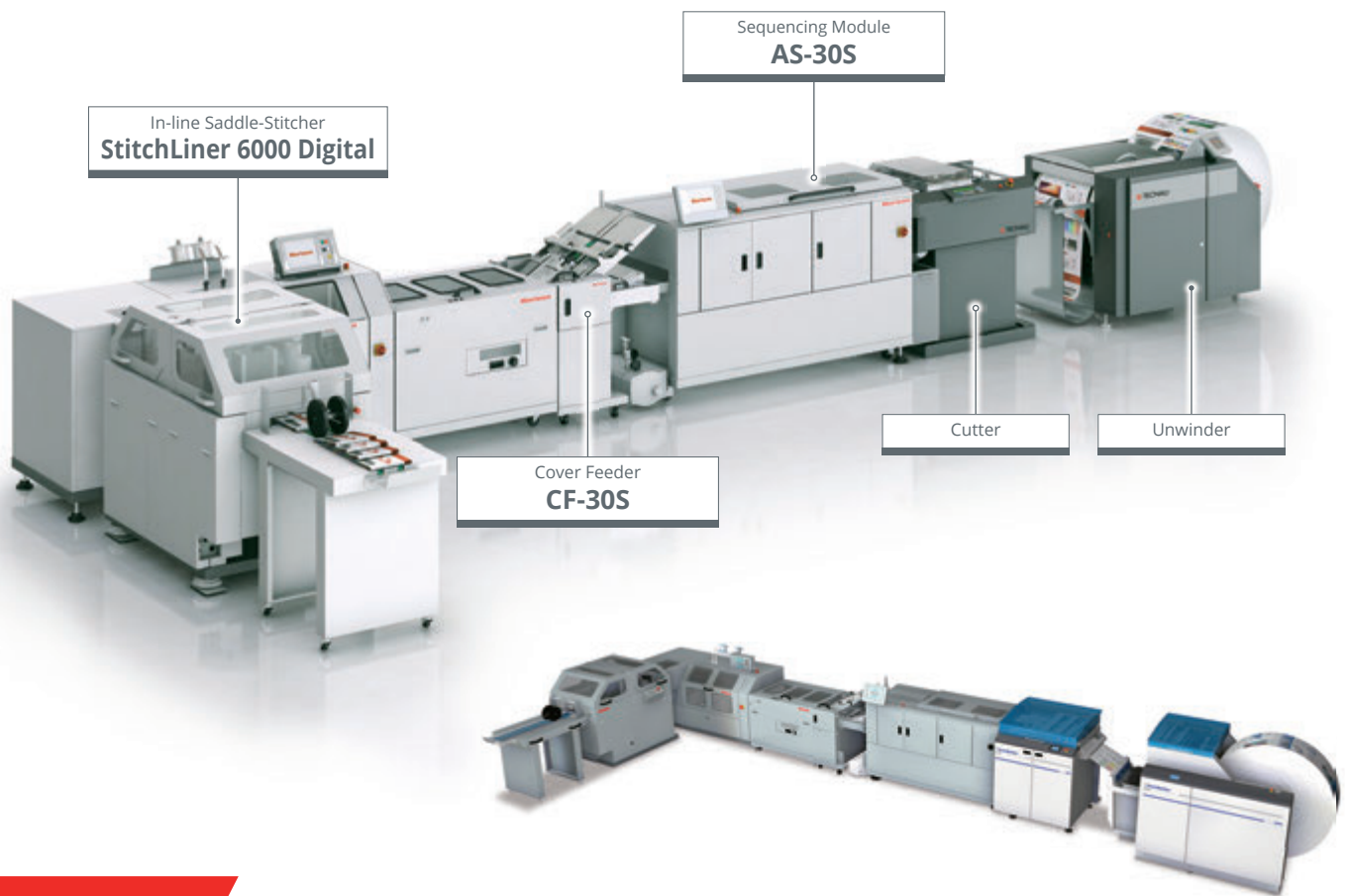
The servo-motor controlled feed mechanism provides for accurate booklet registration and fore-edge trimming. The guide is automatically adjusted according to the sheet size input on the touchscreen on the SPF-30S.

6 TOP AND BOTTOM TRIM SECTION



The top and bottom of the booklet are trimmed accurately, and trimming waste is smoothly extracted from the trim box to a movable chute with a powerful air blower. An optional center knife device can be fitted for two-up booklet production.

STITCHLINER 6000 DIGITAL/IN-LINE SADDLE-STITCHER



BENEFIT

HIGH QUALITY

Scoring

Accurate sheet registration, scoring and folding. In-line plow fold mechanism eliminates unnecessary folding steps.

Stitching

The folded sets are jogged from the head and foot, then centered on the saddle by the centering mechanism before the heavy-duty stitching heads produce accurately stitched booklets.

Trimming

Precision automated knife positioning and in-feed provides for accurate booklet registration and three-knife trimming.

HIGH SPEED

Maximum production speed is 6,000 booklets per hour (depending on application). An advanced interface maximizes the upstream system efficiencies.

VARIABLE DATA HANDLING

Personalized and variable page count applications can be handled. The in-line configuration insures sheet-to-sheet integrity.

FLEXIBLE INSERTION

An intelligent cover feeder enables flexible insertion of up to 5 sheets plus cover anywhere in the booklet.

Colored sheets are cover or insert sheets from cover feeder.



EASY OPERATION

Easy and intuitive operation is achieved with touch screen control. No specialized operator skills are needed to set up and operate the system.

FEEDING OPTIONS.

High Performance Feeding Options.

VAC-1000/L1000 AIR-SUCTION COLLATOR (STITCHLINER MARK III)

Stable collation for a wide variety of paper stocks. Suitable for multiple page jobs.

- Advanced programming functions are available such as double cycle for non-stop operation and sub-setting for higher sheet count production.
- The VAC-1000 is expandable up to 6 towers, 60 feed bins.

Only for VAC-L1000

Expanded paper size capacity to produce A4 landscape booklets efficiently.

- Up to 610 mm (24") length of sheet can be loaded easily for A4 landscape booklet production.
- Individual blowing mechanisms for each bin, improved air flow and reliable suction rotor feeding system for superior feeding performance.
- Power consumption is decreased to 1.8 kW, which is about 22% of energy-saving compared to the previous model.



	VAC-1000	VAC-L1000
Bin Stack Height	Max. 55 mm or 2.16"	Max. 55 mm or 2.16" Weight: 11 kg or 24.3 lb each bin
Sheet Size	Width x Length Max. 350 x 500 mm or 13.77" x 19.68" Min. 148 x 148 mm or 5.83" x 5.83" *	Width x Length Max. 350 x 610 mm or 13.77" x 24.01" Min. 148 x 148 mm or 5.83" x 5.83" *

*It depends on the connected StitchLiner's specifications.

VAC-600H/L600H AIR-SUCTION COLLATOR (STITCHLINER MARK III)

Maximum pile height is 130 mm or 5.11". Suitable for longer run production.

- Each bin has 130 mm or 5.11" pile height capacity. Compared to the VAC-1000, the bin capacity is 2.4 times greater for longer run production.
- Advanced programming functions are available such as double cycle for non-stop operation and sub-setting for higher sheet count production.
- Optional image checking system (IC2-V600) is available for higher quality control.
- The VAC-600H is expandable up to 6 towers, 36 feed bins.

Only for VAC-L600H

Expanded paper size capacity to produce A4 landscape booklets efficiently.

- Up to 610 mm (24") length of sheet can be loaded easily for A4 landscape booklet production.
- Individual blowing mechanisms for each bin, improved air flow and reliable suction rotor feeding system for superior feeding performance.
- Power consumption is decreased to 1.5 kW, which is about 35% of energy-saving compared to the previous model.



	VAC-600H	VAC-L600H
Bin Stack Height	Max. 130 mm or 5.11"	Max. 130 mm or 5.11" Weight: 26 kg or 57.3 lb each bin
Sheet Size	Width x Length Max. 350 x 500 mm or 13.77" x 19.68" Min. 148 x 148 mm or 4.73" x 5.83" *	Width x Length Max. 350 x 610 mm or 13.77" x 24.01" Min. 148 x 148 mm or 5.83" x 5.83" *

*It depends on the connected StitchLiner's specifications.

FEEDING OPTIONS.

High Performance Feeding Options.

VAC-80S AIR-SUCTION COLLATOR (STITCHLINER 6000)

Equipped with 8 landscape feeding stations.

Maximum production speed is 6,000 booklets per hour.



- The VAC-80S is equipped with a sheet alignment mode to reduce jams in the ACF-30S and down time for uninterrupted operation.
- Advanced programming functions are available such as double cycle for non-stop operation and sub-setting for higher sheet count production.
- Optional image checking system (CCD-VAC80S) is available for higher quality control.
- The VAC-80S is expandable up to 6 towers, 48 feed bins.

VAC-80S	
Bin Pile Height	Max. 80 mm or 3.14"
Sheet Size	Width x Length Max. 500 x 350 mm or W19.68" x L13.77" Min. 199 x 140 mm or W7.84" x L5.52"

HOF-400 HIGH-SPEED OFFLINE FEEDER (STITCHLINER MARK III)

Near-Line Solution for digital printing.

VARIABLE THICKNESS PRODUCTION

Digitally collated sheets are loaded at the feed table of the HOF-400 and reliably transported to the stitcher. A standard mark sensor enables variable sheet count documents to be handled with integrity and verification. The VAC series collator can be connected in line, for processing of conventional offset printed work.

*The HOF-400 cannot be connected to the VAC-80S.



HOF-400 High Speed Offline Feeder

HIGH SPEED FEEDING

The HOF-400 can feed at a speed of 25,000 sheets per hour (A3 or 11" x 17") and 35,000 sheets per hour (A4 SEF or 8.5" x 11"). This high speed feeding is capable of handling the output of multiple printers.

USER FRIENDLY OPERATION

Feature rich newly designed 7" color touch screen display for easy and intuitive operation. The HOF-400 is equipped with a high quality feed detection system for reliable processing. If mis-feeding occurs in the HOF-400, the set is ejected before stitching.

VARIABLE SYSTEM CONFIGURATION

The HOF-400 is compatible with a wide variety of system configurations such as sheet feeding, cover feeding, accumulating, bleed trimming and center creasing depending on your needs.

HOF-400	
Sheet Size	Width x Length Max. 356 x 610 mm or 14.0" x 24.0" Min. 203 x 203 mm or 8.0" x 8.0"
Sheet Weight Range	Normal Paper: 52 to 157 gsm Coated Paper: 73 to 157 gsm *When you use thin sheets, you need to decrease the speed depending on the sheet size. *The machine can feed thick sheets (157 through 209 gsm), but the feed speed will decrease.
Sheet Pile Height on Feed Tray	Max. 620 mm or 24.4"
Production Speed	Max. A3: 25,000 sheets per hour A4 SEF: 35,000 sheets per hour A4 LEF: 45,000 sheets per hour (When the sheets are processed one by one.) 4,000 booklets per hour (Without Creasing, 16-page, A4 size booklet) 3,200 booklets per hour (With Creasing, 16-page, A4 size booklet) 5,000 booklets per hour (Without Creasing, 16-page, A5 size booklet) 4,000 booklets per hour (With Creasing, 16-page, A5 size booklet) *The production speed is limited depending on the stitcher.
Voltage/Frequency	3-Phase 200 to 220 V, 50 Hz or 60 Hz 3-Phase 380 / 400 / 415 V, 50 Hz or 60 Hz
Machine Dimensions	HOF-400: W960 x D740 (1,050 mm or 41.4" when including the blower box) x H936 mm or 37.8" x 29.2" x 36.9" Blower Box: W 553 x D 305 x H 350 mm or 21.8" x 12.0" x 13.8"

ADDITIONAL OPTIONS.

Performance Enhancing Options.

ST-40 BYPASS STACKER (STITCHLINER MARK III)

Simple and Quick Changeover.

USER FRIENDLINESS

Bookletmaking, reject function and offset or straight stacking can be selected at the ST-40.

HIGH SPEED

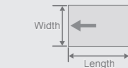
Errored sets are delivered to the built-in reject tray for non-stop operation.

STACK QUALITY

Collated sets delivered on the pallet are jogged for superior stack quality.



ST-40

ST-40	
Sheet Size 	Width x Length Max. 350 x 500 mm or 13.8" x 19.7" Min. 182 x 128 mm or 7.2" x 5.0
Sheet Weight Range	52 to 208 gsm
Stack Capacity	360 mm or 14.1"
Production Speed	8,000 sets per hour (A4 or 8.5"x11"/10 sheets/straight stacked) 5,000 sets per hour (A4 or 8.5"x11"/10 sheets/offset stacked)
Voltage/Frequency	Single Phase 200 to 240 V, 50 or 60 Hz
Machine Dimensions	W 1,353 x D 652 x H 1,027 mm or 53.3" x 25.7" x 40.5" (including feed error tray)

BC-20 BYPASS CONVEYOR (STITCHLINER MARK III)

Simple and Quick Changeover.

SIMPLE OPERATION

The BC-20 can be connected with the collators and stitchers, and receiving trays (CCR / CCR-DX) all together. The BC-20 switches over from bookletmaking to stacking with simple push of a button.

HIGH SPEED


The built-in rejecting tray is equipped for non-stop collation.

USEFUL FUNCTIONS

Sheet jam detection is provided and the LED shows the location of jam. Hand feeding function is also equipped as standard.



SW-20 Criss-cross Receiving Tray

BC-20	
Sheet Size 	Width x Length Max. 350 x 500 mm or 13.78" x 19.69" Min. 120x 148 mm or 4.73" x 5.83"
Production Speed	Speed is set in three steps to match the driving speed of collator.
Stack Capacity	Max. 30 mm or 1.2"
Voltage/Frequency	Single Phase 200 to 240 V, 50 or 60 Hz
Machine Dimensions	W 1,255 x D 686 x H 910 mm or 49.4" x 27.0" x 35.9"

ADDITIONAL OPTIONS.

Performance Enhancing Options.

IM-30 PAPER INSERTER (STITCHLINER 6000 / STITCHLINER MARK III)

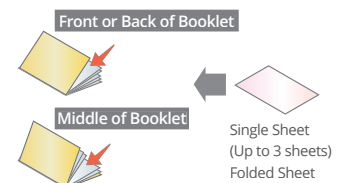
Inline inserter for expanded booklet processing.



The IM-30 can insert (blow-in) single sheets, post cards, envelopes and folded sheets into a booklet stitched on the StitchLiner.

WIDE VARIETY OF INSERTING APPLICATIONS

Increase production capabilities with a wide range of inserting applications. Up to three pieces can be inserted into the middle, front or back of a booklet.



LABOR-SAVINGS

Sheet insertion can be performed in-line with the StitchLiner with minimal operator involvement.

HIGH PRODUCTIVITY

The IM-30 can insert at a maximum production speed of 4,000 booklets per hour with the StitchLiner connected. Faulty insert eject function is employed for non-stop operation even when a feed error occurs.

USER FRIENDLINESS

Intuitive touchscreen control and quality checking systems increase production efficiency with minimal errors. Quality checking system includes: Feed section error sensor, Separation error sensor, Booklet jam sensor.

Options for IM-30

IM-SD ERROR INSERT DETECTOR

- Using an ultrasonic sensor, the IM-SD detects that the front page is turned.

IM-CC CONVEYOR

CMP-04 COMPRESSOR

PK-30 PRESET KICKER

IM-BC40 BYPASS CONVEYOR

- For StitchLiner Mark III

IM-BC BYPASS CONVEYOR

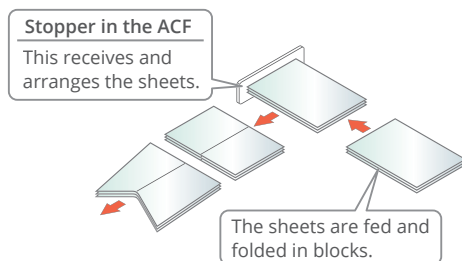
- For StitchLiner 6000

SL6PS-40 SIX-PAGE COVER KIT

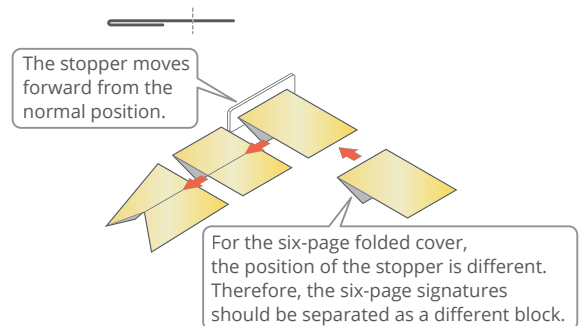
- For StitchLiner Mark III
- Software to mix different length of sheet.

MIX SIX-PAGE FOLDED OR DIFFERENT SIZE COVER

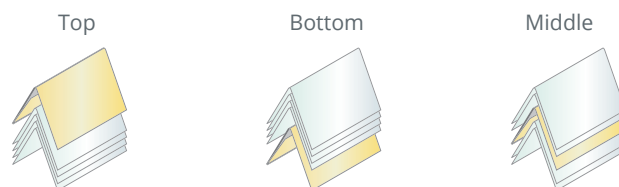
Normally, the sheets are folded in half to make a four-page signature.



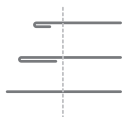
Six page folded or different size cover can be processed as shown below for proper registration and to avoid trimming the folded edge.



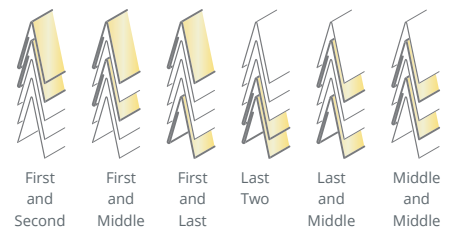
DIFFERENT SIZE SHEET CAN BE INSERTED IN ANY POSITION



UP TO TWO DIFFERENT SHEET SIZES CAN BE INSERTED - ONLY IF THEY ARE FED FROM THE VAC



- Different size sheet can be inserted up to four positions in a booklet: front, Back, and other two inserts. However, the system is limited to insert only two different sizes.
- Multiple sheets can be inserted within the same block.
- If the sheets are fed from the HOF-400 (CF-400), only one different size sheet can be inserted.



ADDITIONAL OPTIONS.

Performance Enhancing Options.

| STITCHER HEAD

- The stitcher head is selectable from either of the standard stitcher head (No.25 through No.27, thickness: 0.5 mm through 0.4 mm or 0.020" through 0.016") or the stitcher head for heavy line (No.23 through No.25, thickness: 0.6 mm through 0.5 mm or 0.024" through 0.020"). Four stitching is available by using the four stitching kit. Three stitching is available by using the B-40C which is the option of the SPF-40.



*The SPF-30S is only for two stitching and four stitching.

| CENTER-CUT UNIT

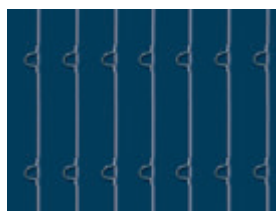
- Two-up production is available by installing the center-cut unit. For the center-cut unit for the StitchLiner 6000, there are two types of unit; cutting width 6 mm or 0.24" and cutting width 8 mm or 0.31". For the center-cut unit for the StitchLiner Mark III, there are four types of unit; cutting width 6 mm or 0.24", cutting width 8 mm or 0.31", cutting width 10 mm or 0.39", and the cutting width 12 mm or 0.47".



| LOOP STITCHING KIT

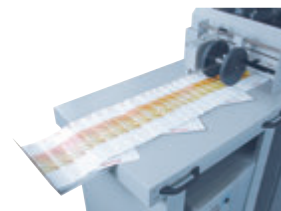
- Loop stitching is available by installing the loop stitching kit with the stitch head.

*The stopper for the loop stitching is required for the StitchLiner Mark III.



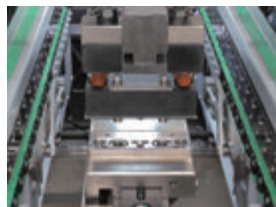
| PK-30 PRESET KICKER

- According to a preset number input on the touchscreen, a booklet is skewed to identify and separate the end of a series.



| HOLE PUNCH UNIT

- High speed two-hole punching can be performed in-line for efficient production. HP-05K (5 mm hole), HP-06K (6 mm hole) and one-hole punch unit (for fore-edge) are available.



| TB-30 TRIMMINGS BLOWER

- The TB-30 ejects the trims from HTS by air.



| HTS-TD40 THICKNESS DETECTOR

- For HTS-40
- The HTS-TD40 detects the booklets with abnormal thickness and ejects them to the misfeed tray.



| HTS-AR40 TRANSPORT ROLLERS

- The upper delivery roller is automatically set to match the finished size of the booklet.



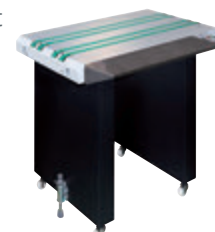
| HTS-TD THICKNESS DETECTOR

- For HTS-30S
- When the HTS-TD detects a booklet with abnormal thickness, the Booklets that are being processed on the SPF-30S are ejected to the misfeed box on the SPF-30S.



| HTS-ECV40 DELIVERY CONVEYOR

- The HTS-ECV40 has a higher booklet capacity and is suitable for longer production runs.



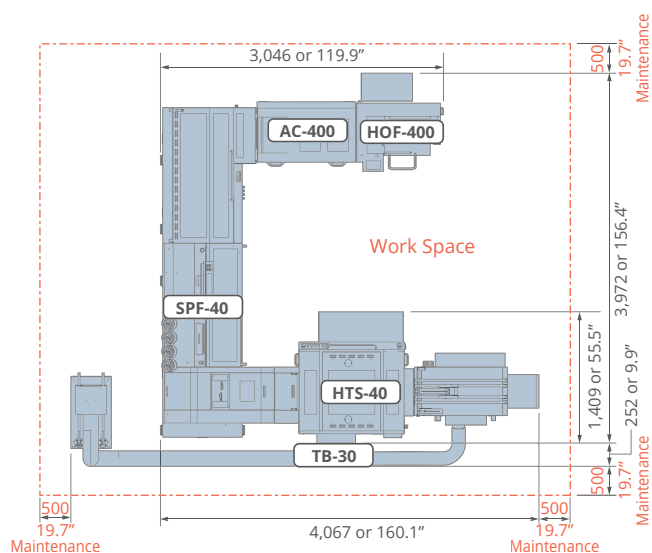
* Contact your local dealer about availability of connection.

	NAME	FORMAT	DESCRIPTION	STITCHLINER 6000	STITCHLINER MARK III
Stitch Section	Optional Six-page Folder	SL6PS-40	Software for the optional six-page folder	No	Yes
	Stitcher Head Optional Parts	B-40S	Two Stitcher Head Attaching Parts (Stitcher head and clincher are not included.)	No	Yes
		B-30S		Yes	No
	Stitcher Head Optional Parts	B-40C	One Stitcher Head Attaching Parts (Stitcher head and clincher are not included.)	No	Yes
		B-30C		Yes	No
	Centering Device	CD-30S (9964585)	-	Yes	Yes
	Stitcher Head 52/8S (Thick) No.23 through 27	0522530	For heavy line: Thickness 0.4 through 0.6 mm	No	Yes
	Stitcher Head 52/8S (Thin) No.25 through 27	0522532	Domestic Standard For fine line: Thickness 0.35 through 0.5 mm	No	Yes
	Clincher	996-3684	-	No	Yes
	52/8S Head Parts for Heavy Line	052-2980	Bender and Driver for One Head Thickness 0.4 through 0.6 mm	No	Yes
	52/8S Loop Stitching Parts	052-2940	Thickness 0.5 mm through 0.6 mm The stopper for loop stitching is necessary for the HTS-40.	No	Yes
	Wire No.23	CO-23	0.60 mm or 0.024"	Yes	Yes
	Wire No.24	CO-24	0.55 mm or 0.022"	Yes	Yes
	Wire No.25	CO-25	0.50 mm or 0.022"	Yes	Yes
	Wire No.27	CO-27	0.40 mm or 0.016"	Yes	Yes
	Stitcher Head 43/6S No.25 through 27	M792010 (0543542)	For fine line: Thickness 0.5 mm through 0.4 mm	Yes	Yes
	Stitcher Head 43/6S No.23 through 25	M792019 (0543540)	For heavy line: Thickness 0.6 mm through 0.5 mm	Yes	Yes
	43/6S Head Parts for Heavy Line	9964324	Bender and Driver for One Head	Yes	*
	43/6S Loop Stitching Parts	9964400	For One Head No.23 through 25 (0.6 mm through 0.5 mm) The stopper for loop stitching is necessary for the HTS-40.	Yes	*
Trim Section	Trimnings Blower	TB-30	The TB-30 ejects the trims from HTS by air.	Yes	Yes
	Preset Kicker	PK-30	The PK-30 is necessary for separating the booklets by the preset number on the delivery conveyor.	Yes	Yes
	Additional Stopper for Top-Bottom		Stopper for Loop Stitching	No	*
	Thickness Detector	HTS-TD	When the HTS-TD detects the booklets with abnormal thickness, the HTS-30S stops in an emergency and the booklets that are being processed on the SPF-30S are ejected to the misfeed box on the SPF-30S.	Yes	*
		HTS-TD40	The HTS-TD40 detects the booklets with abnormal thickness and ejects them to the misfeed tray.	No	Yes
	Center-Cut Device (6 mm or 0.23" Width)	CC40-06	Cutting Width 6 mm or 0.23" (Maximum booklet thickness: 3 mm or 0.12")	No	Yes
		CC-06		Yes	*
	Center-Cut Device (8mm or 0.23" Width)	CC40-08	Cutting Width 8 mm or 0.31" (Maximum booklet thickness: 4 mm or 0.16")	No	Yes
		CC-08		Yes	*
	Center-Cut Device (10 mm or 0.39")	CC40-10	Cutting Width 10 mm or 0.31" (Maximum booklet thickness: 4 mm or 0.16")	No	Yes
	Center-Cut Device (12 mm or 0.47")	CC40-12	Cutting Width 12 mm or 0.47" (Maximum booklet thickness: 4 mm or 0.16")	No	Yes
	Punch Base Unit	HP-30S	Lower part is common in 5 mm or 6 mm	Yes	*
		HP-40S	Lower part is common in 5 mm or 6 mm	No	Yes
	Punch Unit (5 mm or 0.19")	HP-05K	Upper Part 2 holes and 5 mm or 0.19"	Yes	Yes
		HP-C05K	Upper Center 1 hole and 5 mm or 0.49"	Yes	Yes
Paper Inserter	Punch Unit (6 mm or 0.24")	HP-06K	Upper Part 2 holes and 6 mm or 0.23"	Yes	Yes
		HP-C06K	Upper Center 1 hole and 6 mm or 0.23"	Yes	Yes
	Delivery Conveyor	HTS-AR40	The upper delivery roller is automatically set to match the finished size of the booklet.	No	Yes
	Delivery Conveyor	HTS-ECV40	The HTS-ECV40 is suitable for stacking the large number of booklets.	No	Yes
	Paper Inserter	IM-30	Up to three sheets can be inserted into the middle of the booklet and beneath the top sheet. The IM-30 can be connected to the stitcher or can be used as stand alone.	Yes	Yes
	StitchLiner IM-30 Conveyor	IM-BC	The IM-BC is a conveyor which cross over the IM-30 to transport the booklets to the conveyor of HTS.	Yes	No
		IM-BC40		No	Yes
	Error Insert Detector	IM-SD	The IM-SD is a sensor which detects that a front page is turned when a sheet is inserted.	Yes	Yes

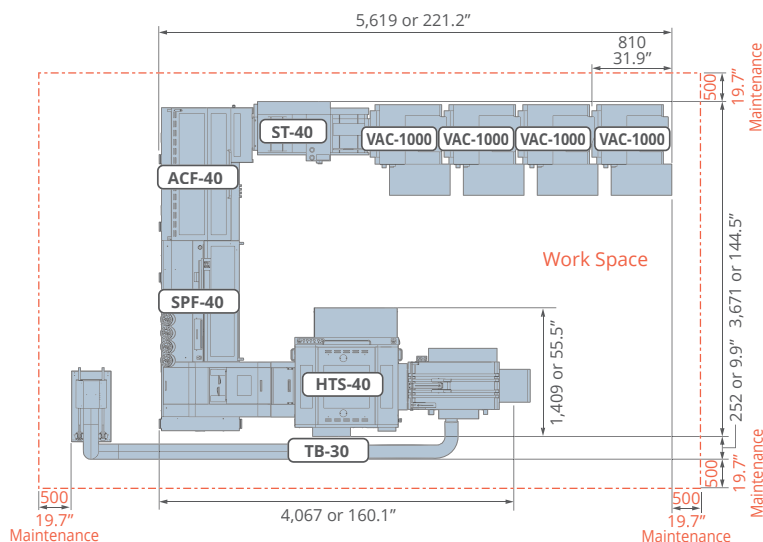
SPECIFICATIONS.

Machine Dimensions. (Unit: mm or inch)

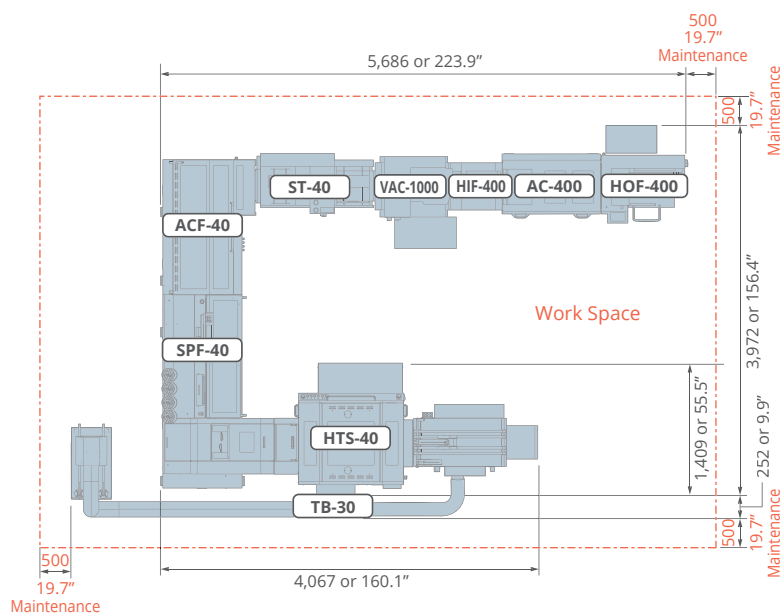
STITCHLINER MARK III + HOF-400



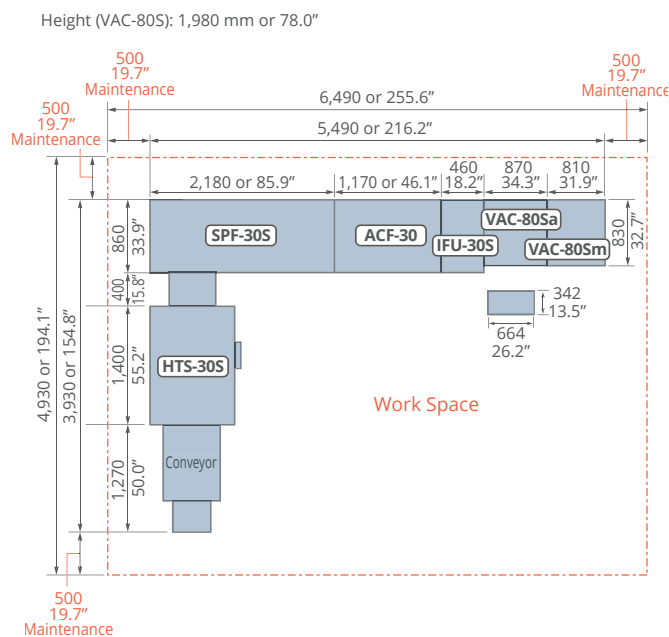
STITCHLINER MARK III + VAC-1000



STITCHLINER MARK III + VAC-1000 + HOF-400



STITCHLINER 6000 + VAC-80S



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

*Specifications may vary depending on the job, paper quality, environmental influences, and various other factors. Please do a test run before starting production.

STITCHLINER MARK III	
Finishing Type	Saddle Stitch, Fold and Trim
Sheet Size	Width x Length Portrait Max. 356 x 508 mm or 14.015" x 20.000" Landscape Max. 267 x 610 mm or 10.510" x 24.015" Min. 140 x 194 mm or 5.515" x 7.640" *Max. 356 mm x 610 mm or 14.015" x 24.015" can be processed depending on substrate weight and condition. A3, JIS B4, A4, JIS B5, A5 11.25" x 17.25", 11" x 17", 10.25" x 9.75", 8.75" x 11.25", 8.5" x 11", 5.5" x 9.75"
Untrimmed Booklet Size	Width x Length Portrait Max. 356 x 254 mm or 14.015" x 10.000" Landscape Max. 267 x 305 mm or 10.510" x 12.005" Min. 140 x 97 mm or 5.515" x 3.820" ^{*1} *Max. 356 mm x 305 mm or 14.015" x 12.005" can be finished depending on substrate weight and condition. A4, A4E, JIS B5, A5, JIS B6, A6 11" x 8.5", 8.5" x 11", 8.5" x 7", 8.5" x 5.5", 4.75" x 4.75"
Finished Booklet Size	Width x Length Portrait Max. 352 x 252 mm or 13.855" x 9.920" Landscape Max. 263 x 303 mm or 10.350" x 11.925" Min. 120 ^{*2} x 85 mm or 4.725" x 3.350" *Max. 352 mm x 303 mm or 13.855" x 11.925" can be finished depending on substrate weight and condition.
Sheet Weight Range	Normal Paper: 52.3 to 350 gsm Coated Paper: 73.3 to 350 gsm
Fold Thickness	Max. 2 mm or 0.075" (Thickness of one block)
Stitch Thickness	Max. 5 mm or 0.195" (Booklet Thickness 10 mm or 0.390") (About 50 sheets of Normal Paper 81.4 gsm) When Doing Loop Stitching: Max. 3 mm or 0.118" (Booklet thickness 6 mm or 0.236")
Stitch Distance	Two Stitch With Centering Device: 64 to 176 mm or 2.520" to 6.925" Without Centering Device: 53 to 176 mm or 2.090" to 6.925" Three Stitch (Requires the B-40C kit) When using the standard head blocks and center block: - With Centering Device Right and Left: 64 to 88 mm or 2.520" to 3.460" Overall: 128 to 176 mm or 5.040" to 6.925" - Without Centering Device Right and Left: 53 to 88 mm or 2.090" to 3.460" Overall: 106 to 176 mm or 4.175" to 6.925" *In case of using the outside head blocks for four stitcher heads and center block: Right and Left: 106 to 120 mm or 4.175" to 4.720" Overall: 212 to 240 mm or 8.350" to 9.445" (Independent of centering device) Attention: When doing three stitches, this cannot be done in the range where the overall measurement is 176.1 to 211.9 mm or 6.935" to 8.340". Four Stitch (Requires the B-40S kit) - With Centering Device Inside: 64 to 112 mm or 2.520" to 4.405" Right and Left: 64 to 88 mm or 2.520" to 3.460" Overall: 192 to 240 mm or 7.560" to 9.445" - Without Centering Device Inside: 53 to 134 mm or 2.090" to 5.275" Right and Left: 53 to 93.5 mm or 2.090" to 3.680" Overall: 159 to 240 mm or 6.260" to 9.445"
Stitch Heads	Standard Equipment: Two stitcher heads Option: Additional stitcher heads for three or four stitches (The B-40C kit for three stitches or the B-40S kit for four stitches is required.)
Stitching Wire	Standard: 0.5 mm (No.26) Wire from of 0.4 to 0.6 mm in diameter can be installed on the standard stitcher heads.
Trim Width	Fore Edge: Max. 25.4 mm or 1.000", Min. 2 mm or 0.080"
Trim Thickness	Top and Bottom: Max. 25.4 mm or 1.000", Min. 2 mm or 0.080"
Production Speed	Max. 6,000 booklets per hour (A4 Portrait finished from A3 sheets) ^{*3} Max. 5,300 booklets per hour (A4 Landscape) ^{*3} The production speed will be limited depending on the number of connected towers when the VAC-1000/600H is connected. - Four Towers: 5,000 sets per hour (A4LEF Straight Receiving) - Five Towers: 4,500 sets per hour (A4LEF Straight Receiving) - Six Towers: 4,000 sets per hour (A4LEF Straight Receiving) Other than the condition described above, the upper limit of production speed changes depending on the number of bins that are used, the number of overlap of sheets, the belt speed and the block feed setting.
Voltage/Frequency	3-phase 200-230 V, 50 or 60 Hz (No transformer supplied with the machine) 3-phase 380 / 400 / 415 V, 50 or 60 Hz (The transformer is supplied with the machine to step down to 200 V.)

StitchLiner Mark III:

*1 Depending on the sheet weight, sheet thickness, booklet thickness or grain direction, the booklet spine may be marked by the transport belts, or the booklet may not be arranged properly on the delivery conveyor. (In this case, the kicker may not be used.)

*2 Minimum width when each of the center guides is installed in the trim section:
Small Center Guide: 147 mm or 5.790", Medium Center Guide: 204 mm or 8.035",
Large Center Guide: 279 mm or 10.985"

*3 The production speed is affected by operation mode and paper condition.

*4 Air compressor is required. (Need to be arranged locally.)

	Gutter Width: 6 mm or 0.235", 8 mm or 0.315", 10 mm or 0.395", 12 mm or 0.475" Booklet Thickness: 4 mm (0.155") or thinner, half of gutter width or less
Center Cut (Option)	Four stitches - gutter width 6 mm or 0.235" - Booklet Size before Top and Bottom Trimming and after Fore-Edge Trimming: Width 214.5 to 356 mm or 8.445" to 14.015" Length 85 to 220 mm or 3.350" to 8.660" - Finished Booklet Width: 100 to 173 mm or 3.940" to 6.810" Four stitches - gutter width 12 mm or 0.475" - Booklet Size before Top and Bottom Trimming and after Fore-Edge Trimming: Width 211.5 to 356 mm or 8.330" to 14.015" Length 85 to 220 mm or 3.350" to 8.660" - Finished Booklet Width: 94 to 170 mm or 3.700" to 6.690" Two stitches or without stitch - gutter width 6 mm or 0.235" - Booklet Size before Top and Bottom Trimming and after Fore-Edge Trimming: Width 190 to 356 mm or 7.485" to 14.015" Length 85 to 220 mm or 3.350" to 8.660" - Finished Booklet Width: 90 to 173 mm or 3.545" to 6.810" Two stitches or without stitch - gutter width 12 mm or 0.475" - Corresponding booklet size (Before top and bottom trimming and after fore-edge trimming): Width 196 to 356 mm or 7.720" to 14.015" Length 85 to 220 mm or 3.350" to 8.660" - Finished Booklet Width: 90 to 170 mm or 3.545" to 6.690"
Punch (Option)	Hole Diameter: 5 mm or 0.197", 6 mm or 0.236" Hole Position: Two Holes at 5 to 15 mm from spine, 80 mm pitch One Hole at 5 to 15 mm from fore edge, centered Booklet Thickness: 3 mm (0.115") or thinner, half of hole diameter or less Booklet Size Before Top and Bottom Trimming : Width 254 to 356 mm or 10.000" to 14.015" Length 85 to 220 mm or 3.350" to 8.660"

STITCHLINER 6000	
Sheet Size	Width x Length
	Max. 500 x 350 mm or 19.68" x 13.77" Min. 199 x 140 mm or 7.84" x 5.52"
Sheet Weight Range	Normal Paper: 53 to 210 gsm Coated Paper: 74 to 210 gsm
Stitch Thickness	Max. 5 mm or 0.19" (Booklet Thickness 10 mm or 0.39") (about 50 sheets of 80 gsm or 22# normal) Loop Stitch: Max. 3 mm or 0.11" (Booklet Thickness 6 mm or 0.23") ^{*1}
Stitch Distance	66 to 150 mm or 2.60" to 5.90", adjusted by +/- 2 mm or 0.08" / Auto. Min. 55 mm or 2.17", with additional stitcher / Manual.
Stitching Wire	#24 to #26 (0.6 mm to 0.5 mm) Option: #26 to #28 (0.5 mm to 0.4 mm) ^{*2}
Untrimmed Booklet Size	Width x Length
	Max. 338 x 250 mm or 13.30" x 9.84" Min. 140 x 99 mm or 5.52" x 3.90" ^{*3}
Finished Booklet Size	Length 95 to 230 mm or 3.74" to 9.05" (Up to 85 mm or 3.35" depending on a condition) 95 to 220 mm or 3.74" to 8.66" (When center-cut is performed) 170 to 220 mm or 6.70" to 8.66" (When 2-hole punch is performed) Width 144 to 340 mm or 5.67" to 13.38" (When center base is installed) 120 to 152 mm or 4.73" to 5.98" (When center base is removed) 186 to 340 mm or 7.33" to 13.38" (When center base is installed and center-cut is not performed) 90 to 167 mm or 3.55" to 6.57" (A booklet size when center-cut is performed) 232 to 340 mm or 9.14" to 13.38" (When 2-hole punch is performed)
Trim Width	2 to 25 mm or 0.08" to 1"
Production Speed	Max. 6,000 booklets per hour - Min. 2,900 booklets per hour (Changed in 11 steps) ^{*4}
Voltage/Frequency	3-phase 200-220 V, 50 or 60 Hz 3-phase 208 V, 60 Hz

StitchLiner 6000:

*1 Limitation for stitch thickness:

If the 6 mm or 0.23" width center cut (option) is performed, Max. 3 mm or 0.11" of booklet thickness. (When using the 8 mm or 0.31" width slitter, Max. 4 mm or 0.15" of booklet thickness.)

If the punch (option) is performed, Max. 3 mm or 0.11" of booklet thickness.

When the sheet block thickness is 3 mm or 0.11" or above, use thick wire (#24 or 25).

*2 Optional stitching head is required.

*3 Depending on the sheet weight, sheet thickness, booklet thickness or grain direction, the booklet spine may be marked by the transport belts, or the booklet may not be arranged properly on the delivery conveyor. (In this case, the kicker may not be used.)

*4 The production speed is affected by operation mode, system setting, job setting and paper condition.

*5 Air compressor is required. (Need to be arranged locally.)

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