Horizon

SPF-200A/FC-200A



pXnet Ready

The SPF-200A/FC-200A bookletmaker features high productivity, quick fully-automatic changeover and user-friendly operation.

Features

Advanced Automation
All necessary settings can be performed automatically through the touchscreen display. Even the fold roller gap adjustment is automated.

Non-stop Operation
A reject function allows non-stop operation. Errored booklets are rejected into the built-in reject tray so only good booklets are delivered to the conveyor.

Color Touchscreen
The 10.4 inch large color touchscreen features intuitive, icon-based operation for easy operation and quick troubleshooting.

High Speed Production
Maximum production speed is 4,500 books per hour with A5 booklets.

Quality Control
The wire feeding sensor and jog sensor are equipped to maximize productivity and efficiency. Optional mis-stitch detector and thickness detector are available for higher quality control.

JDF Workflow
System can be enhanced with JDF workflow from upstream to the postpress using pXnet bindery control system.



FC-200A+HP-200A+SPF-200A+ST-40+VAC-1000a+VAC-1000c+PJ-77R

The SPF-200A/FC-200A is a high-performance in-line bookletmaking system with collating, stitching, folding and fore-edge trimming at production speeds up to 4,500 books per hour.





SPF-200A Stitcher & Folder

Color Touchscreen 1

- The 10.4 inch color touchscreen is intuitive and icon-based for user-friendly operation.
- 200 job settings can be entered and stored alphanumerically, for quick easy search and retrieval.
- Collating system can be controlled from the SPF-200A.
- Fine adjustments can be performed on-the-fly while running for high quality finishing.





Hand Marrying: IFU-200 2

- Three kinds of hand marrying mode are available.

Hand marrying mode (top feed):
Merge a hand fed set on a set from the collator.

Hand marrying mode (bottom feed):
Merge a set from the collator on a hand fed set.

Simple hand feeding mode:
Insert one booklet.



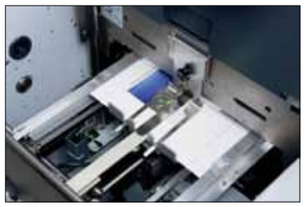
Stitching 3

- The wire feeding sensor alerts when the wire spool is nearly empty or jamming, and stops the system to eliminate non-stitched booklets.
- Up to 48 sheets of normal paper (64 gsm) can be stitched or up to 24 sheets of normal paper (64 gsm) can be stitched and folded.
- Reliable Hohner stitcher heads are equipped for quality book production.
- The stitching position and distance are automatically set up for the input size.



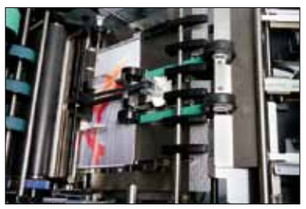
Jogging 4

- Jog count and stroke can be set to handle a wide variety of sheets.



Folding 5

- Folding roller and press roller gaps are automatically adjusted according to the booklet thickness.
- The jog sensor detects jog faults and rejects any errored booklets to the reject tray.
- The sheet is firmly registered with tail edge and top-bottom guides to provide accurate folds.

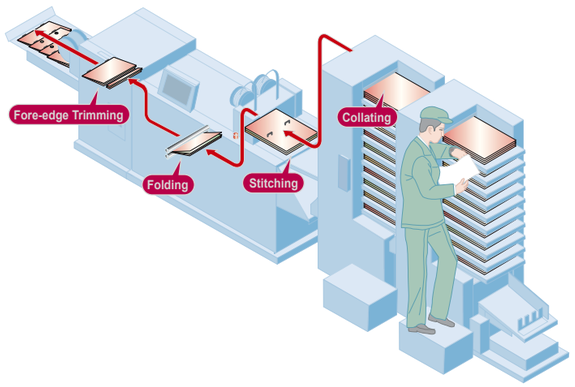


FC-200A Fore-edge Trimmer

Fore-edge Trimming 1

- The servo-motor is employed for knife driving to provide high speed and sharp fore-edge trimming.
- The top-bottom transport belt insures smooth booklet transportation and delivery.
- Trimmings are blown down into the external trim box by air so that no chips are left in the trimming area.
- Durable casting structure for quality trimming.





Conveyor 2 Selection

- Either the SC-200 Short Conveyor or the LC-200 Long Conveyor is selected.
- Conveyor belt running time and batch counter can be controlled from the SPF-200A touchscreen.
- The booklet on the conveyor can be easily delivered pressing eject button.
- The conveyor is connectable to the SPF-200A directly.

SC-200 Short Conveyor

- The SC-200 is compact conveyor which saves the floor space. Finished booklets are neatly delivered to the exit conveyor.



LC-200 Long Conveyor

- The LC-200 is 54 cm (21") longer than the SC-200 Short Conveyor. The large number of booklets are neatly delivered.



Faulty Set Rejection 3

- Errored sets are rejected to the reject tray so that only the correct booklets are delivered to the conveyor.



Options

HP-200A Hole Punch Unit

High speed hole punching can be performed. Hole punch, press and through modes can be selected. Changeover for 2 holes and 4 holes is easy for user-friendly operation.



IM-30 Paper Inserter

The IM-30 can be connected to the SPF-200A for inline inserting solution. Up to three sheets can be inserted into the middle of a booklet or beneath the top sheet.



HOF-30 High Speed Off-line Feeder

The HOF-30 can be connected to the collators to handle both offset and digital output.



HOF-20 High Speed Off-line Feeder

Maximum pile height is 130 mm (5.1") on the cover feed tray. The HOF-20 has the capability to handle variable data applications.



ST-40 Bypass Stacker

Connects the collators to the SPF-200A, the ST-40 serves as a high-capacity offset or straight stacking device. Errored sets are delivered to the built-in reject tray for non-stop operation.



PST-40 Press Stacker

The first rollers remove the air and the second rollers powerfully compress the booklet for reduced bulk and tighter finishing.



BC-20 Bypass Conveyor

One-touch switching between the bookletmaker and Criss-Cross receiving tray. A built-in reject tray is provided for non-stop collation.



MKU-54 Mobile Knife Fold Unit

Finished booklets can folded in line with the SPF-200A. Knife unit reverse function provides flexibility to choose fold-up or fold-down.



SA-40 Sub Accumulator

The SA-40 temporarily accumulates the sheets delivered from the collator and stabilizes the sheet jog for quality stitching and bookletmaking.

*The ST-40 is required to connect the SA-40.



PK-30 Preset Kicker

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



SSK-200 Side/Corner Stitch Unit

The SSK-200 enables the SPF-200A to perform Side/Corner stitching. Side/Corner stitched set can be delivered to the same delivery conveyor used for booklets without any change.



TD-200 Booklet Thickness Detector

The TD-200 checks the thickness of each booklet. An errored book is rejected to the reject tray for non-stop operation.



FST-200 Four Stitching Unit

Additional stitcher heads can be mounted for up to 4 stitches per booklet. Optional stitcher heads (#27 – thickness 0.45 mm) are available.



TB-200 Chip Extractor

Powerfully extracts cutting waste from the fore-edge trimmer.



PN-200 Paper Insertion Knife Unit

The PN-200 inserts a single sheet into the center spread of a booklet. For example, an A4 size single sheet can be inserted into the A3 size booklet.

Loop Stitch Kit (Part No. 9964401)

An optional loop stitch kit can be fitted to the standard stitcher heads to meet a variety of customer applications. Loop stitch kit is required for each stitcher head.



SDS-200 Mis-Stitch Detector

The SDS-200 checks the stitch on each booklet for higher quality control. A mis-stitched booklet is rejected to the reject tray for non-stop operation.

SPF-200A Major Specifications

Functions	Saddle Stitch and Fold only (Option: Top/Side Stitch, Top Stitch and Fold, Rear Corner Stitch, Front Corner Stitch, Pass Through)	
Sheet Size	Saddle Stitch and Fold only	Max. 356(W) x 508(L) mm (14.000" x 20.000")
		Min. 120(W) x 180(L) mm (4.725" x 7.090")
	Top/Side Stitch	Max. 356(W) x 432(L) mm (14.000" x 17.000")
		Min. 180(W) x 138(L) mm (7.090" x 5.435")
	Top Stitch and Fold	Max. 356(W) x 432(L) mm (14.000" x 17.000")
		Min. 180(W) x 180(L) mm (7.090" x 7.090")
	Corner Stitch	Max. 326(W) x 364(L) mm (12.820" x 14.330")
		Min. 210(W) x 210(L) mm (8.270" x 8.270")
	Pass Through	Max. 356(W) x 508(L) mm (14.000" x 20.000")
		Min. 120(W) x 180(L) mm (4.725" x 7.090")
	*The range of sheet size available can be limited when the sheets are fed from VAC/HOF. VAC-1000/600H: Max. 350(W) x 500(L) mm (13.775" x 19.685") Min. 120(W) x 148(L) mm (4.725" x 5.830") HOF-20/30: Max. 350(W) x 500(L) mm (13.775" x 19.685") Min. 200(W) x 275(L) mm (7.875" x 10.830")	
Sheet Weight Range	Normal Paper: 64 to 157 gsm, Art Coated Paper: 85 to 157 gsm	
Booklet Size	Saddle Stitch and Fold only	Max. 356(W) x 254(L) mm (14.000" x 10.000")
		With Trimming: Max. 356(W) x 250(L) mm (14.000" x 9.840")
		Min. 120(W) x 90(L) mm (4.725" x 3.545")
		With Trimming: Min. 120(W) x 85(L) mm (4.725" x 3.350")
	Top Stitch and Fold	Max. 356(W) x 254(L) mm (14.000" x 10.000")
		Min. 180(W) x 90(L) mm (7.090" x 3.545")
Stitch Thickness	Max. 4 mm (About 48 sheets of Normal Paper 64 gsm) only for Top/Side Stitch and Corner Stitch	
Fold Thickness	Saddle Stitch: Max. 2 mm (About 24 sheets of Normal Paper 64 gsm) (About 16 sheets of Normal Paper 82 gsm)	
Stitch Distance	73 to 290 mm (2.875" x 11.400") Adjustable	
	In saddle stitching, the sheet range can be limited by the fold knife.	
	Optional stitching head is available for four stitches.	
Corner Stitching Position	3 to 15 mm (0.120" to 0.590" mm) Adjustable	
Stitching Wire	Standard: No.26 (0.5 mm), Option: No.27 (0.45 mm)	
Error Detector / Indicator	Jam Detection, Wire Feeding Detection, Jog Error Detection, Option: Stitch Detection	
Counter	Total Booklet Count, Batch Count	
Production Speed	Max. 4,000 booklets/hr. (A4-Finish), Max. 4,500 booklets/hr. (A5-Finish)	
Voltage / Frequency	Single Phase 200 / 220 / 230 / 240 V, 50 / 60 Hz	
Machine Dimensions	2,765(W) x 810(D) x 1,250(H) mm (108.9" x 31.9" x 49.3") (with IFU-200 and SC-200)	

FC-200A Major Specifications

Booklet Size (Before Trim)	Max. 356(W) x 254(L) mm (14.000" x 10.000")
	Min. 120(W) x 90(L) mm (4.725" x 3.545")
Booklet Size (After Trim)	Max. 356(W) x 250(L) mm (14.000" x 9.840")
	Min. 120(W) x 85(L) mm (4.725" x 3.350")
Trimming Width	Max. 20 mm (0.785")
Trimming Thickness	Max. 4 mm (0.157")
Production Speed	Max. 4,000 booklets/hr. (A4-Finish), Max. 4,500 booklets/hr. (A5-Finish)
Error Detector / Indicator	Jam Detection, Trim Full Detection, Faulty Set Ejection Tray Jam Detection, Option: Booklet Thickness Detection
Counter	Fore-edge Trimming Counter
Other Function	Faulty Set Ejection
Machine Dimensions	1,335(W) x 810(D) x 1,070(H) mm (52.6" x 31.9" x 42.2") (with Short Conveyor SC-200)

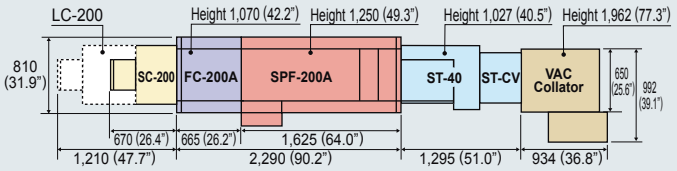
HP-200A Major Specifications

Sheet Size	Punch/Press	Max. 356(W) x 254(L) mm (14.000" x 10.000") (When inserting a paper, 356[W] x 235[L] mm [14.000" x 9.250"])
		Min. 210(W) x 148(L) mm (8.270" x 5.830")
	Through	Max. 356(W) x 508(L) mm (14.000" x 20.000")
		Min. 120(W) x 90(L) mm (4.725" x 3.545") Max. Thickness of Sheet Block 4 mm (0.157") (Depending on the sheet weight)
Sheet Weight Range	Normal Paper: 64 to 157 gsm, Art Coated Paper: 85 to 157 gsm	
Punch Thickness	Max. 3.2 mm (0.12") (Up to 40 sheets, 20 sheets stitched and folded, of 64 gsm)	
Number of Holes	4 / 2 holes	
Punch Hole Pitch	80 mm	
Punch Hole Position	Dimension from the booklet spine to center of hole can be adjusted from 9 through 14 mm with panel setting.	
Punch Hole Diameter	6 mm	
Production Speed	Saddle Stitch	Max. 4,300 booklets/hr. (A5 Booklet, Booklet Thickness 2.5 mm [0.098"] or less)
	Fold Only	Max. 4,000 booklets/hr. (A5 Booklet, Booklet Thickness 2.5 mm [0.098"] or less)
Voltage / Frequency	Single Phase 200 / 220 / 230 / 240 V, 50 / 60 Hz	
Machine Dimensions	500(W) x 770(D) x 1,035(H) mm (19.7" x 30.4" x 40.8")	

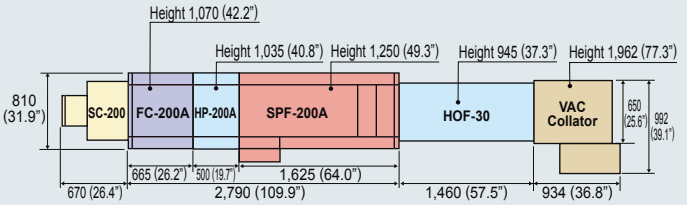
*The machine design and specifications are subject to change without any notice.

Machine Dimensions Unit : mm (inch)

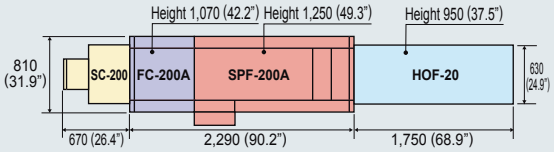
FC-200A+SPF-200A+ST-40+Collator (VAC-1000/600H)



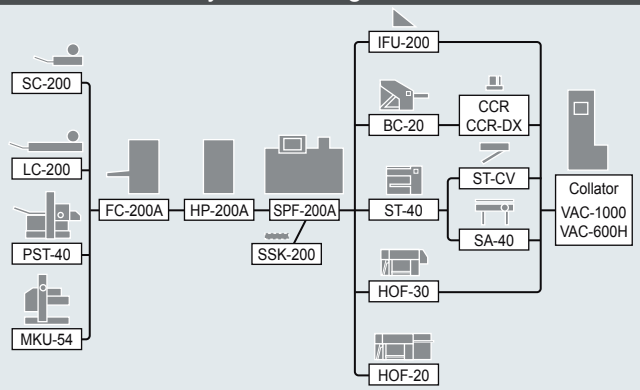
FC-200A+HP-200A+SPF-200A+HOF-30+Collator (VAC-1000/600H)



FC-200A+SPF-200A+HOF-20



System Configuration



Options

- Hole Punch Unit: HP-200A
- Paper Inserter: IM-30
- High Speed Off-line Feeder: HOF-20
- High Speed Off-line Feeder: HOF-30
- Bypass Stacker: ST-40
- Bypass Conveyor: BC-20
- Sub Accumulator: SA-40
- Press Stacker: PST-40
- Mobile Knife Fold Unit: MKU-54
- JDF Workflow System: pXnet
- Loop Stitch Kit (Part No. 9964401) *Required for each stitcher head.
- Four Stitching Unit: FST-200
- Mis-Stitch Detector: SDS-200
- Paper Insertion Knife Unit: PN-200
- Infeeder Unit: IFU-200
- Preset Kicker: PK-30
- Booklet Thickness Detector: TD-200
- Chip Extractor: TB-200
- Short Conveyor: SC-200 Selection
- Long Conveyor: LC-200
- Conveyor: IM-CC
- Title Page Detection Sensor: IM-SD
- Side/Corner Stitch Kit: SSK-200

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