

**Horizon**



# SPF-200 series

Bookletmaker SPF-200A / 200L + FC-200A / 200L

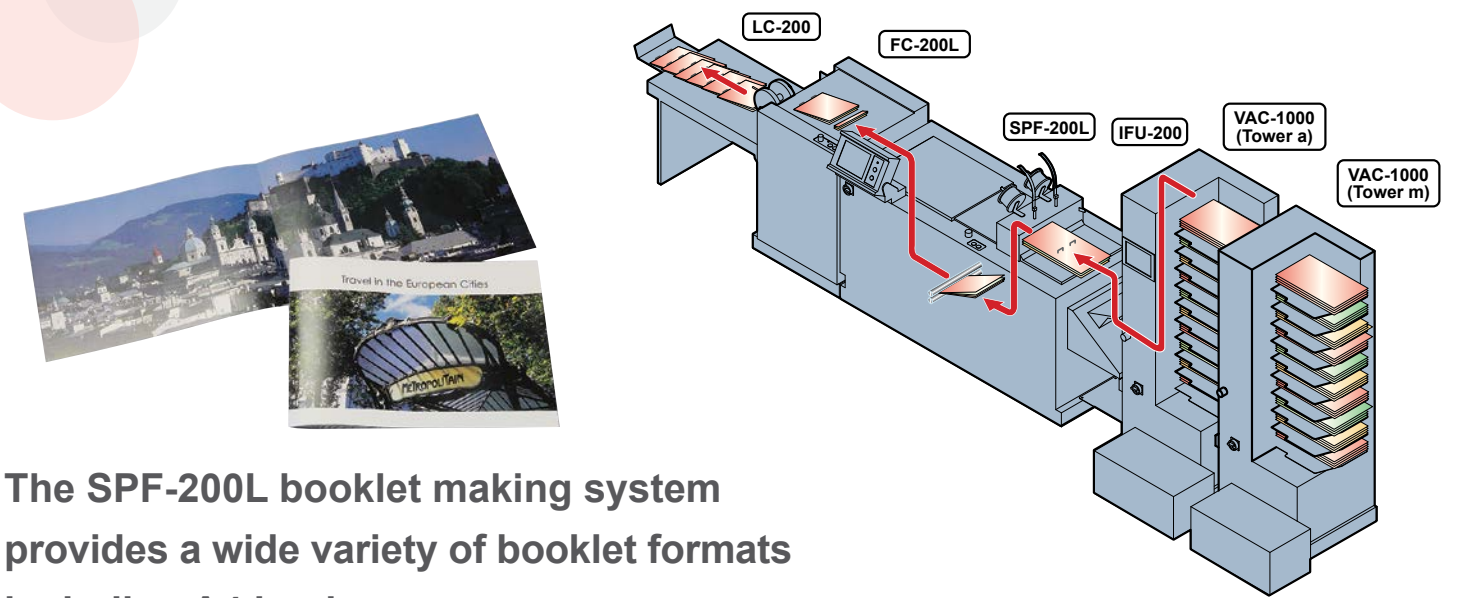
## In-line booklet-making system



**The SPF-200 series bookletmaking system features high productivity, fully automated changeover and user-friendly operation.**



**A4 Landscape booklet production**



The SPF-200L booklet making system provides a wide variety of booklet formats including A4 landscape.

This expanded capability provides a wider range of formats, to support the demanding market needs.

**Advanced Automation**

All necessary settings for a wide variety of booklet formats, ranging from CD to A4 landscape (A4 landscape is available only with SPF-200L) can be performed automatically through the touchscreen display. Even the fold roller gap adjustment is automated. The quick fully-automatic changeover is suited for efficient small lot production and leads to a reduction of test sheets.

**Color Touchscreen for Easy Operation**

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

**Supporting both Digital and Offset Print**

The SPF-200 series booklet-making system provides flexible system configurations. The VAC-1000 can be connected for conventional offset print production and the HOF-400 offline feeder can be connected to handle digital output.

**Cost Savings**

The SPF-200 series booklet-making system processes the pre-cut 4-page sheets instead of folded signatures to eliminate the folding process.

**High Speed Production**

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

**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 for non-stop operation and accurate bookletmaking.

**Quality Control**

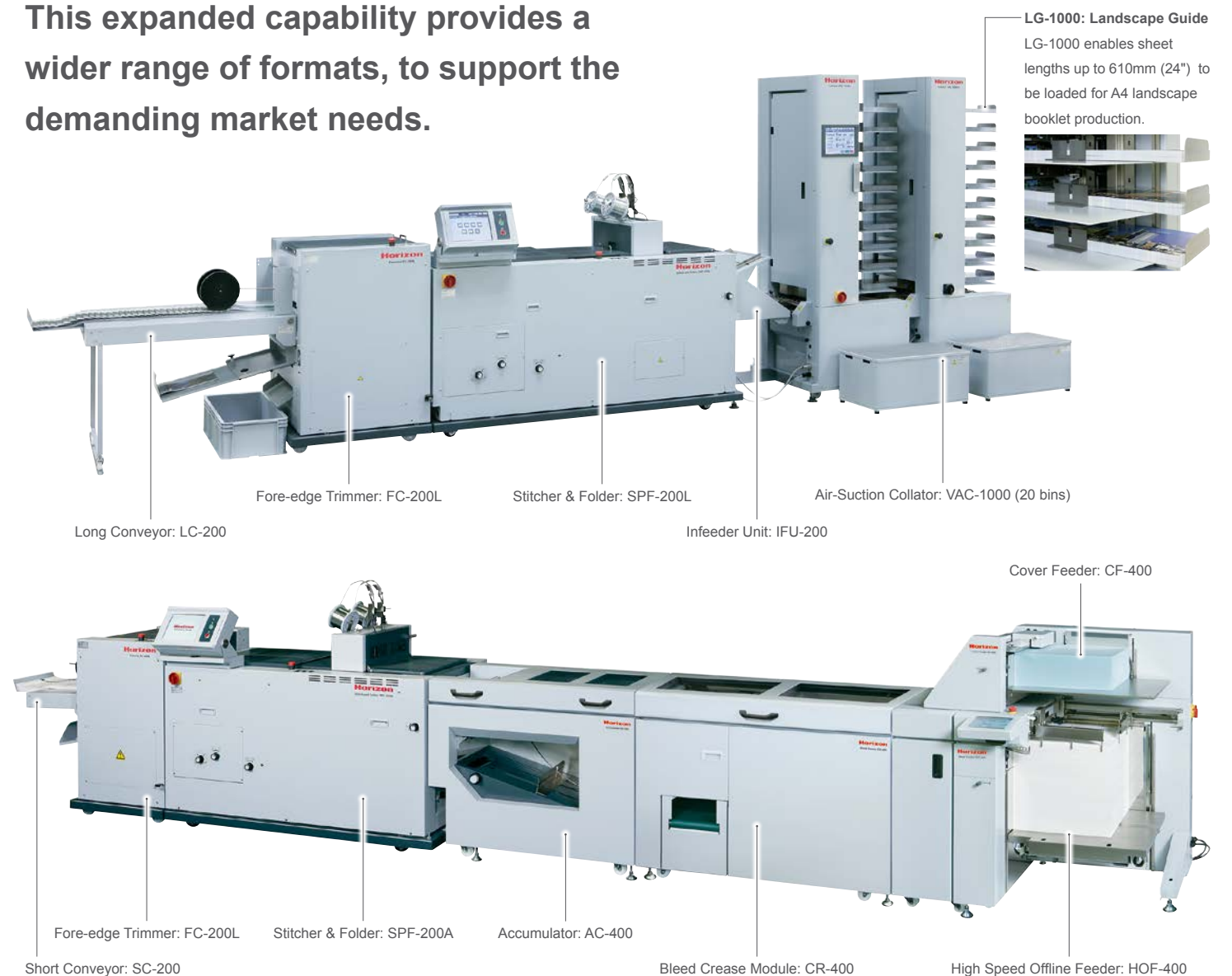
The wire feeding sensor and jog sensor are equipped to maximize productivity and efficiency. Optional mis-stitch detector and thickness detector are available for even higher quality control.

**A Wide Range of Optional Units**

A wide range of optional units such as a hole punch unit, paper insertion knife unit and preset kicker are available to meet varying customer needs.

**JDF Workflow**

The system can be further enhanced with Horizon's pXnet bindery control system which integrates JDF workflow from upstream devices.





## Fore-edge Trimming

- 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

- Either the SC-200 Short Conveyor or the LC-200 Long Conveyor is available.
- Conveyor belt running time and batch counter can be controlled from the touchscreen.
- Booklets on the conveyor can be easily delivered by pressing the eject button.

### Short Conveyor: SC-200

- Finished booklets are neatly delivered to the exit conveyor.



### Long Conveyor: LC-200

- The LC-200 is 54 cm (21.2") longer than the SC-200 Short Conveyor. A large number of booklets can be neatly delivered.



## Faulty Set Rejection

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



## Folding

- 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.
- Sheets are firmly registered with tail edge and top-bottom guides to provide accurate folds.



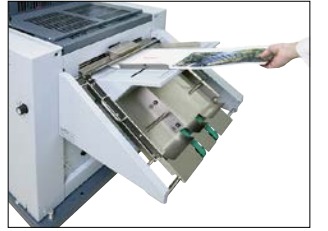
## Color Touchscreen

- 10.4 inch color touchscreen is intuitive and icon-based for user-friendly operation.
- With just one touch, the finishing format can be selected.
- 200 job settings can be entered and stored. The operator can name stored jobs alpha-numerically, for quick easy search and retrieval.
- The collating system and the fore-edge trimming can be controlled from the control panel.
- Fine adjustments can be performed on-the-fly while running for high quality finishing.



## Hand Marrying: IFU-200 (Option)

- The IFU-200 allows hand feeding of previously collated sets, heavy cover material or difficult stocks in three modes.
  - Hand marrying mode 1:** Insert one booklet.
  - Hand marrying mode 2:** Merge a hand fed set on top of a set from the collator.
  - Hand marrying mode 3:** Merge a set from the collator on top of a hand fed set.



Long Conveyor: LC-200

Fore-edge Trimmer: FC-200L

Stitcher & Folder: SPF-200L

Infeder Unit: IFU-200

Air-Suction Collator: VAC-1000 (10 bins)

## Stitching

- 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 / 50lb. offset) can be stitched or up to 24 sheets of normal paper (64 gsm / 50lb. offset) can be stitched and folded.
- The stitching position and distance are automatically set up for the input size.



## Jogging

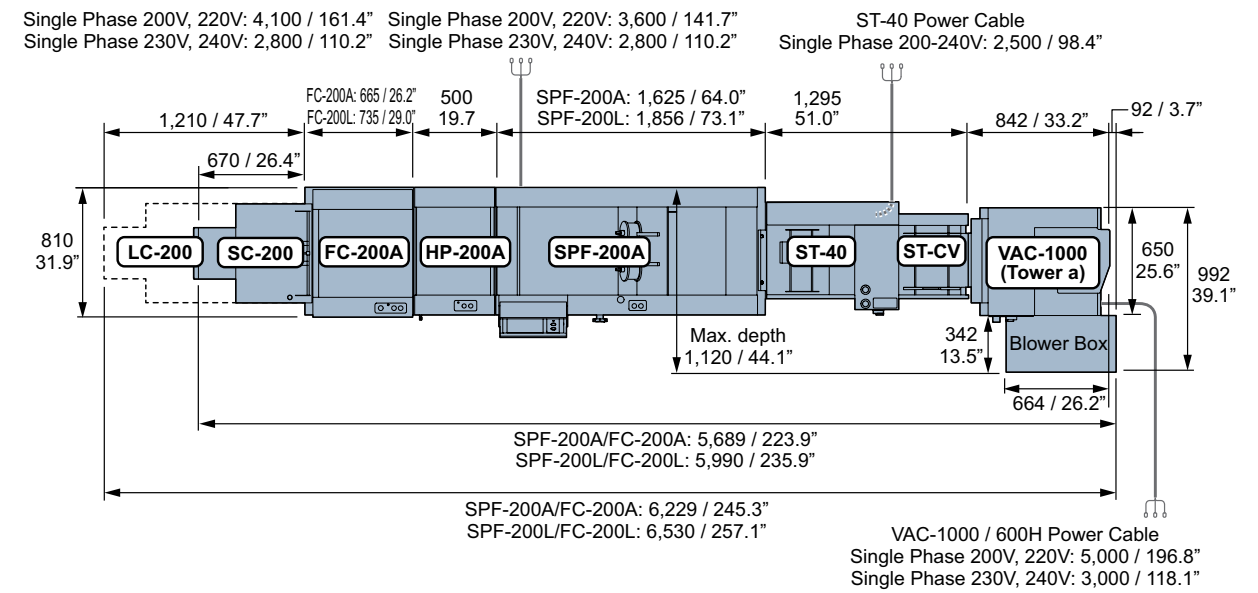
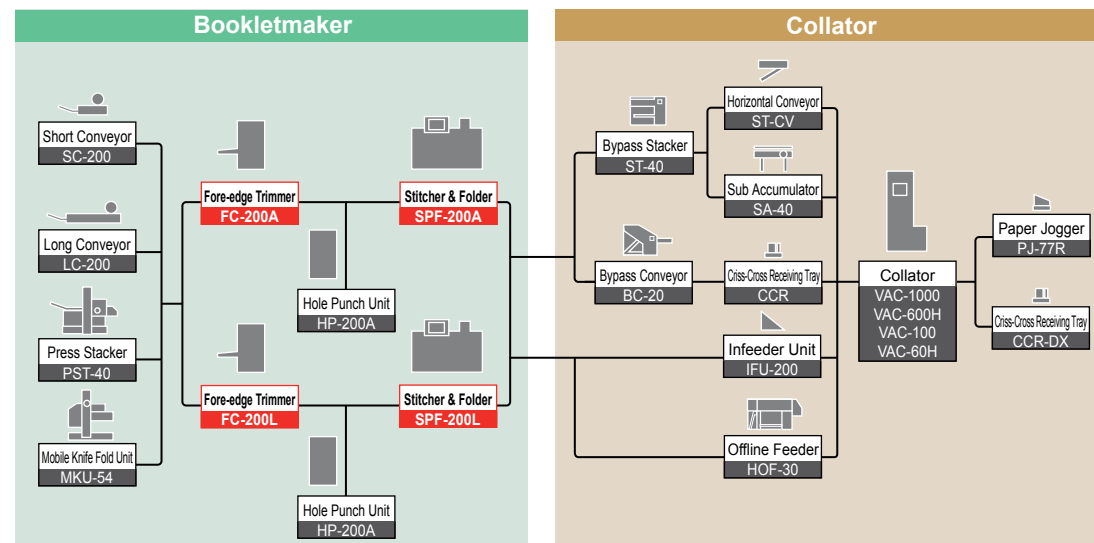
- Jog count and stroke can be set to handle a wide variety of sheets.



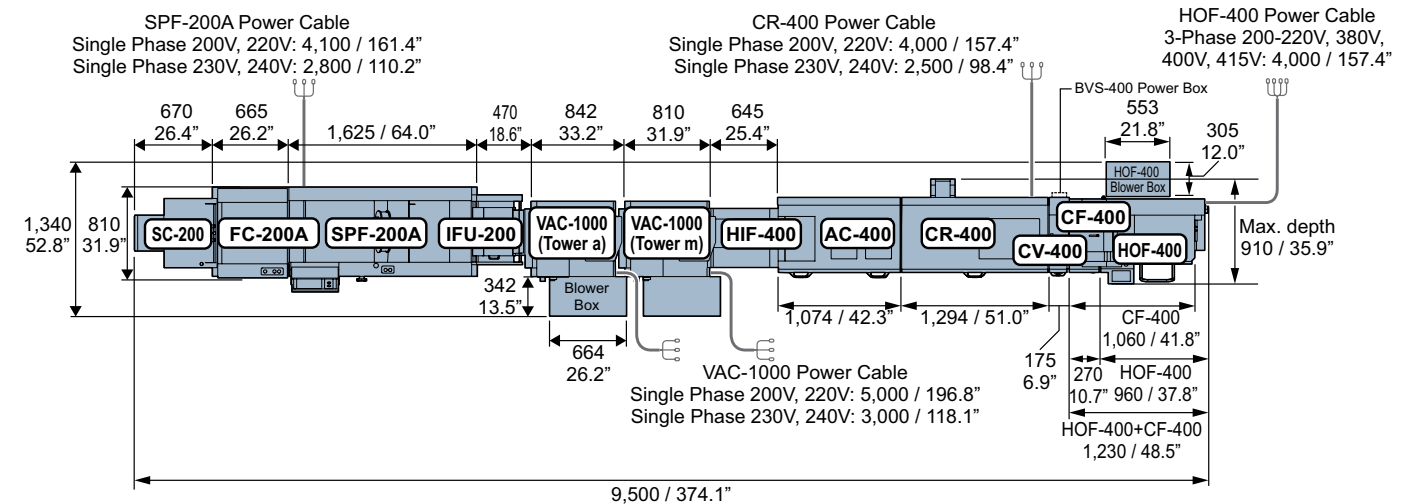
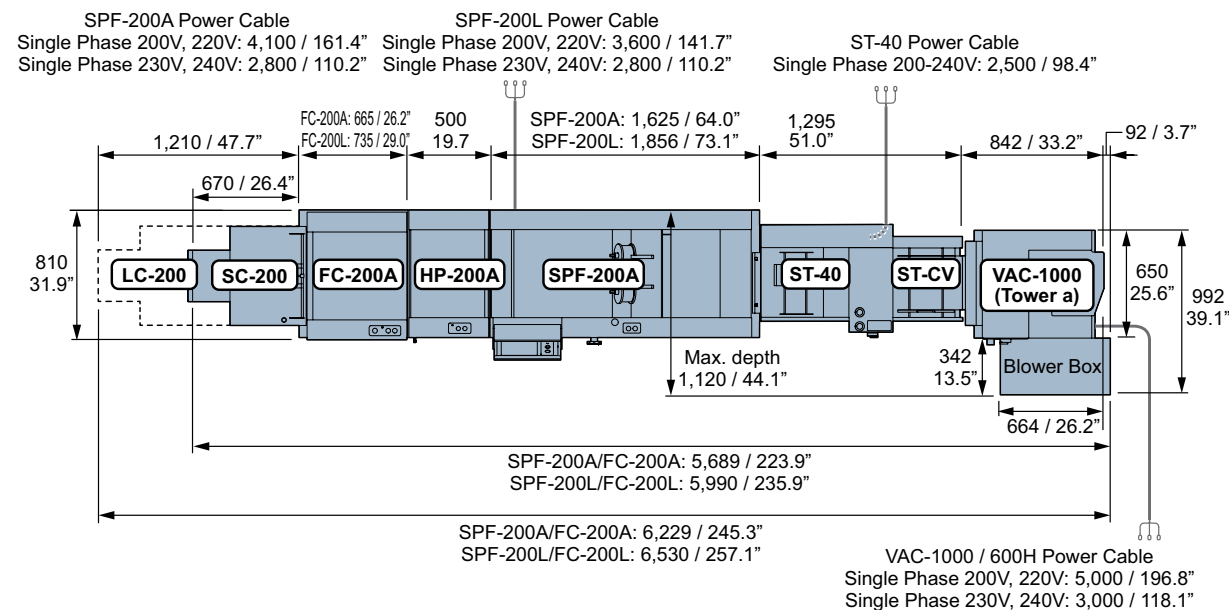
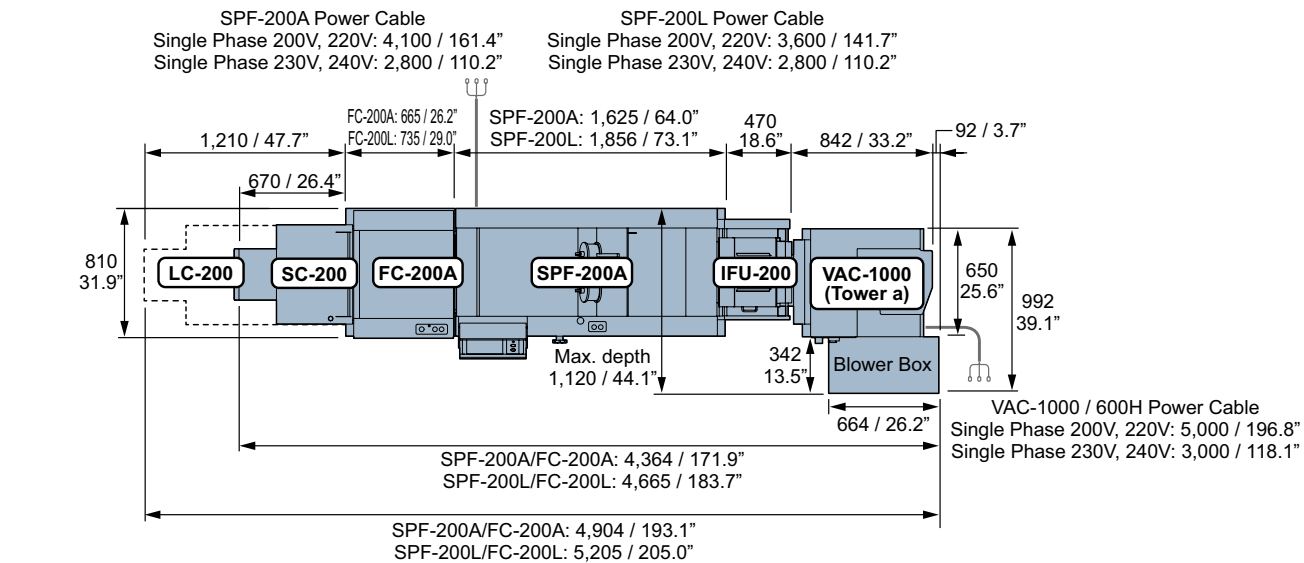
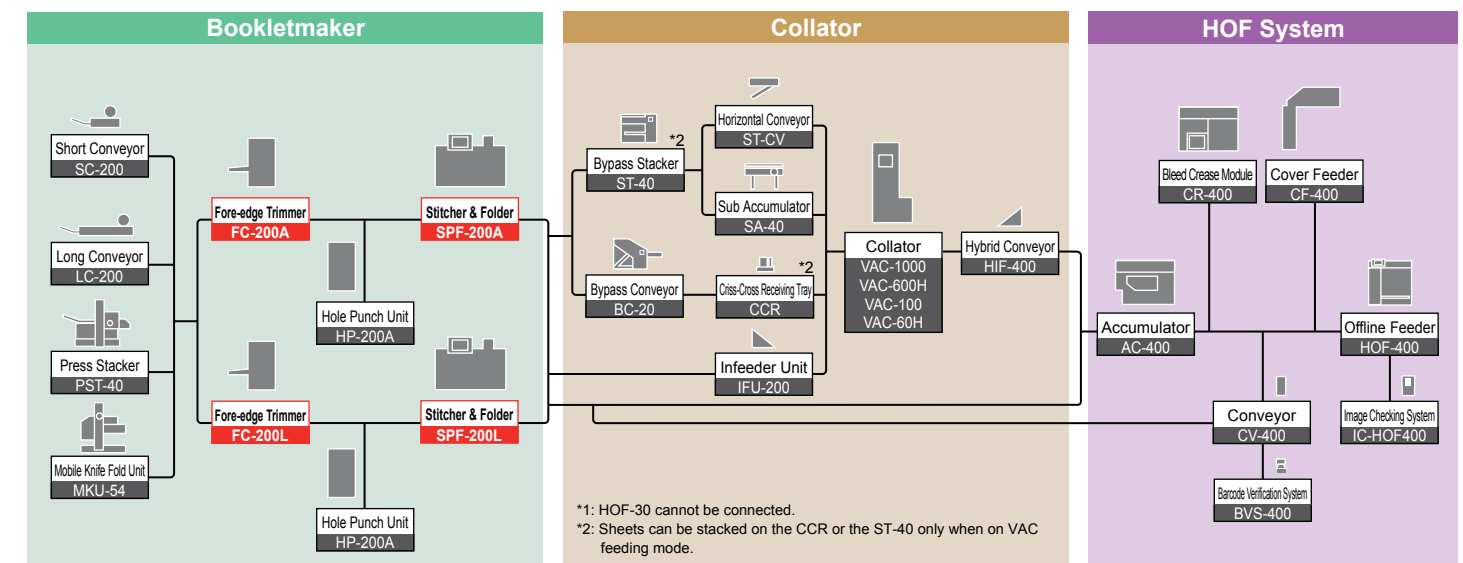
**Available Combination of Models and Dimensions (Unit : mm / inch)**

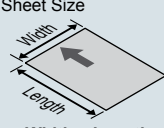
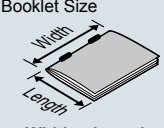
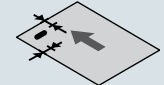
The available range of sheet size and sheet weight can be limited depending on the connected models. The production speed is affected by the combination of the models.

**Combination of Models for Offset Print**




**Combination of Models for Digital Print**



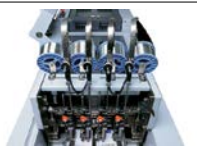



Model	SPF-200A	SPF-200L
Functions	Saddle Stitch, Top Stitch and Fold, Fold only (Option SSK-200A/200L: Top/Side Stitch, Pass Through, Corner Stitch [Front/Rear], Corner Stitch and Fold)	
Sheet Size  <b>Width x Length</b> The range of sheet sizes available can be limited when the sheets are fed from the connected machine.	Saddle Stitch, Fold only, Pass Through	
	Max. 356 x 508 mm / 14.000" x 20.000" Min. 120 x 180 mm / 4.725" x 7.090"	Max. 356 x 610 mm / 14.000" x 24.000" Min. 120 x 180 mm / 4.725" x 7.090"
	Top/Side Stitch	
	Max. 356 x 432 mm / 14.000" x 17.000" Min. 180 x 138 mm / 7.090" x 5.435"	
	Top Stitch and Fold	
	Max. 356 x 432 mm / 14.000" x 17.000" Min. 180 x 180 mm / 7.090" x 7.090"	
Booklet Size  <b>Width x Length</b>	Normal Paper: 64 to 157 gsm Art Coated Paper: 84.9 to 157 gsm	
	Saddle Stitch, Fold only	
	Max. 356 x 254 mm / 14.000" x 10.000" Min. 120 x 90 mm / 4.725" x 3.545"	Max. 356 x 305 mm / 14.000" x 12.000" Min. 120 x 90 mm / 4.725" x 3.545"
	Top Stitch and Fold	
	Max. 356 x 216 mm / 14.000" x 8.500" Min. 180 x 90 mm / 7.090" x 3.545"	
	Corner Stitch and Fold	
Stitch Thickness Fold Thickness Stitch Distance Corner Stitching Position 	Max. 4 mm / 0.155" (About 48 sheets of normal paper 64 gsm)	
	Saddle Stitch Max. 2 mm / 0.075" (About 24 sheets of normal paper 64 gsm) (About 16 sheets of normal paper 81.4 gsm)	
	73 to 290 mm / 2.875" x 11.400" Adjustable When saddle stitching, the stitch distance may be limited by the fold knife.	
	3 to 15 mm / 0.120" to 0.590" Adjustable	
	Standard: 0.5 mm (No.26) Option: 0.45 mm (No.27) Wire of 0.4 to 0.6 mm diameter can be installed on the standard stitcher.	
	Max. 4,000 booklets per hour (A4-Finish, Portrait) Max. 4,500 booklets per hour (A5-Finish, Portrait)	
Production Speed Voltage/Frequency	Max. 4,000 booklets per hour (A4-Finish, Portrait) Max. 4,500 booklets per hour (A5-Finish, Portrait)	Max. 4,000 booklets per hour (A4-Finish, Portrait) Max. 3,500 booklets per hour (A4-Finish, Landscape)
	Single Phase 200V, 50 / 60 Hz Single Phase 220V, 50 / 60 Hz Single Phase 230V, 50 / 60 Hz Single Phase 240V, 50 / 60 Hz	
Machine Dimensions	W1,625 x D810 x H1,250 mm / W64.0" x D31.9" x 49.3"	W1,856 x D810 x H1,250 mm / W73.1" x D31.9" x 49.3"

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

Model	FC-200A	FC-200L
Untrimmed Booklet Size  <b>Width x Length</b>	Max. 356 x 254 mm / 14.000" x 10.000" Min. 120 x 90 mm / 4.725" x 3.545"	Max. 356 x 305 mm / 14.000" x 12.000" Min. 120 x 90 mm / 4.725" x 3.545"
	Max. 356 x 250 mm / 14.000" x 9.840" Min. 120 x 85 mm / 4.725" x 3.350"	Max. 356 x 305 mm / 14.000" x 12.000" Min. 120 x 85 mm / 4.725" x 3.350"
Trim Width	Max. 20 mm / 0.785" Min. 2mm / 0.075"	
Trim Thickness	Max. 4 mm / 0.155"	
Production Speed	Max. 4,000 booklets per hour (A4-Finish, Portrait) Max. 4,500 booklets per hour (A5-Finish, Portrait)	Max. 4,000 booklets per hour (A4-Finish, Portrait) Max. 3,500 booklets per hour (A4-Finish, Landscape)
Voltage/Frequency	Single Phase 200V, 50 / 60 Hz Single Phase 220V, 50 / 60 Hz Single Phase 230V, 50 / 60 Hz Single Phase 240V, 50 / 60 Hz	
Machine Dimensions	W665 x D810 x H1,070 mm / W26.2" x D31.9" x H42.2"	W735 x D810 x H1,070 mm / W29.0" x D31.9" x H42.2"

## Options

We have a large choice of optional accessories other than those listed below. Contact your local dealer about required options for meeting your needs.

Four Stitching Unit: FST-200	Additional stitcher heads can be mounted for up to 4 stitches per booklet. Optional stitcher heads (#27 – thickness 0.45 mm) are available.	
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.	
Preset Kicker: PK-30	According to a preset number input on the touchscreen, one booklet is skewed to easily identify and separate the end of a series.	
Chip Extractor: TB-200	Powerfully extracts cutting waste from the fore-edge trimmer.	
Side/Corner Stitch Unit: SSK-200A/SSK-200L	The SSK-200A/SSK-200L enables the SPF-200A/SPF-200L to perform Side/Corner stitching. Side/Corner stitched set can be delivered to the same delivery conveyor used for booklets without any change.	
Booklet Thickness Detector: TD-200	The TD-200 checks the thickness of each booklet. An errored book is rejected to the reject tray for non-stop operation.	
Paper Insertion Knife Unit: PN-200	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.	
Mis-Stitch Detector: SDS-200	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.	