

Horizon

DIGITAL FINISHING

HOF-400

The perfect feeding solution
for Digital booklet production.



FLEXIBLE SYSTEM CONFIGURATION.

HOF-400 provides flexible system configurations such as cover feeding, sheet insert on, variable page count, bleed trimming and creasing for digital printing.

The HOF-400 finishing system can also be connected with the finishing devices for the offset outputs to process both digital and offset print. Through one efficient system.

BENEFITS

FINISHING DEVICE FOR DIGITAL PRINT

Digitally printed sheets are fed reliably and with care from the HOF-400 to the saddle-stitching system. A standard mark sensor enables variable sheet count documents to be handled with integrity and verification.

FINISHING DEVICE FOR OFFSET PRINT

A VAC series collator can be connected in line, for processing of conventional offset printed work.

HIGH SPEED

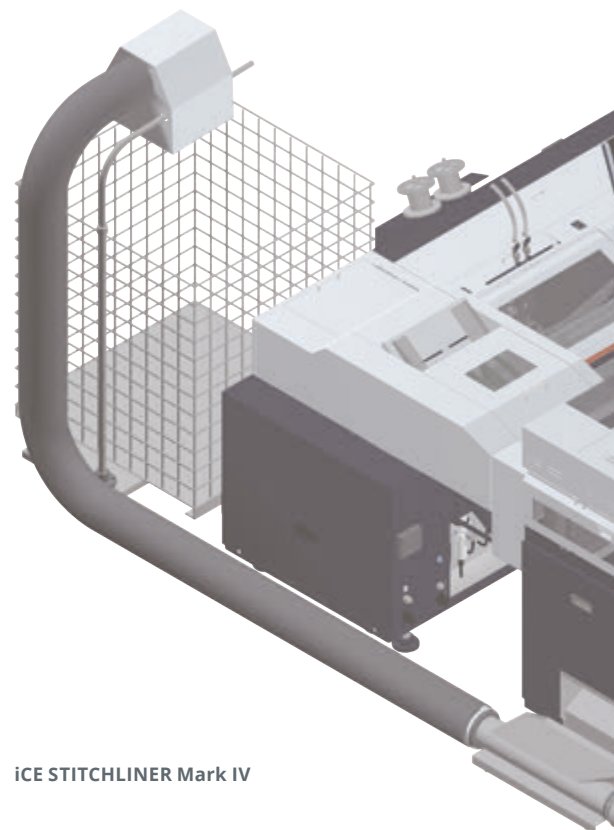
The HOF-400 can feed at a speed of 25,000 sheets per hour (A3 / 11" x 17") and 35,000 sheets per hour (A4 SEF / 8.5" x 11"). This high speed feeding is capable of handling the output of multiple printers.

VARIOUS MODULAR OPTIONS

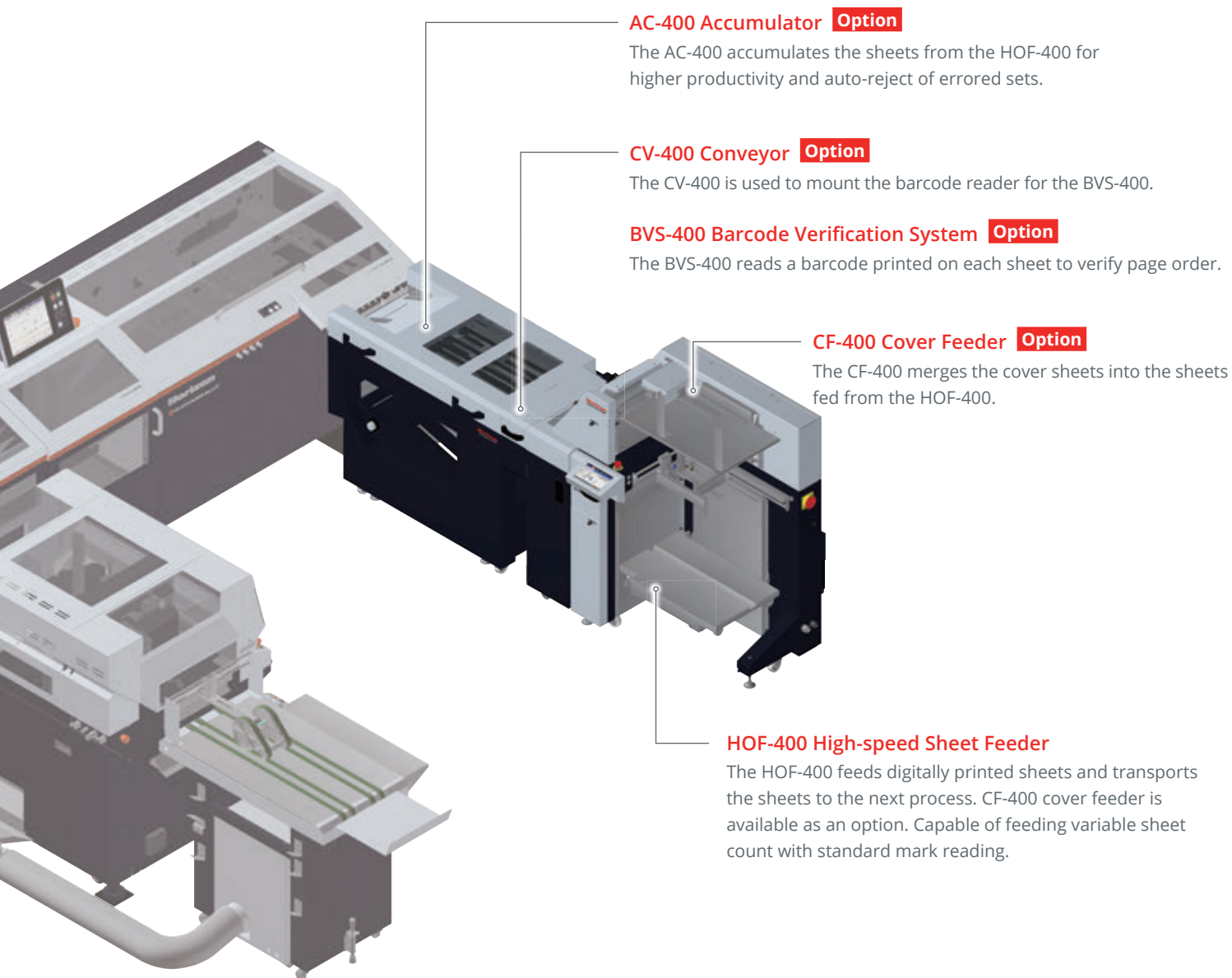
The HOF-400 is compatible with a wide variety of system configurations such as sheet feeding, cover feeding, accumulating, bleed trimming and center creasing depending on your needs.

FLEXIBLE BOOKLET MAKING SYSTEM SELECTION

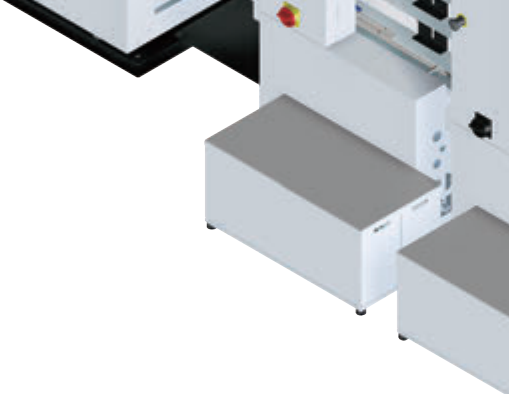
The HOF-400 can be connected to the SPF-2000 or StitchLiner series.



iCE STITCHLINER Mark IV



DETAILS FOR EACH DEVICE.



1 HOF-400 HIGH SPEED OFFLINE FEEDER

CONTROL PANEL

- Both setup and control can be done through the intuitive touch screen. If a problem occurs, an icon and an error code which indicate the error status will be displayed on the touch panel for quick error recovery.



- 200 jobs can be stored in memory, and the job can be set up quickly. A USB thumb drive is available for importing and exporting the data from memory.

SHEET FEED SECTION

- The vacuum belt feeding system provides smooth and accurate feeding.
- The maximum pile height of the sheet feed tray is 620 mm or 24.4", this high capacity feed tray minimizes loading time for efficient production. Open access to the feeding area enables easy loading of sheets.
- The mark sensor checks the marks on the first and last sheets for extra security. The standard mark sensor enables you to handle variable sheet count documents with integrity and verification.
- The HOF-400 is equipped with a high quality feed detection system for reliable processing. If a mis-feeding occurs in the HOF-400, the system stops before stitching.



Ultrasonic Sensor

The ultrasonic sensor detects mis-feeds, double-feeds, and sheet jams. The ultrasonic sensor also has the capability to handle variable data applications and variable thickness applications.

Mark Sensor

The mark sensor checks first and last sheets. The mark sensor is capable of reading from the top or the bottom and the detection position can be adjusted easily.

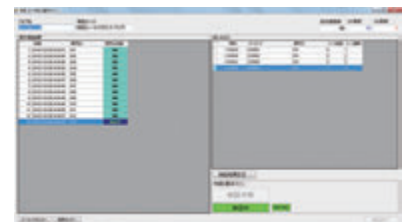
2 CF-400 COVER FEEDER

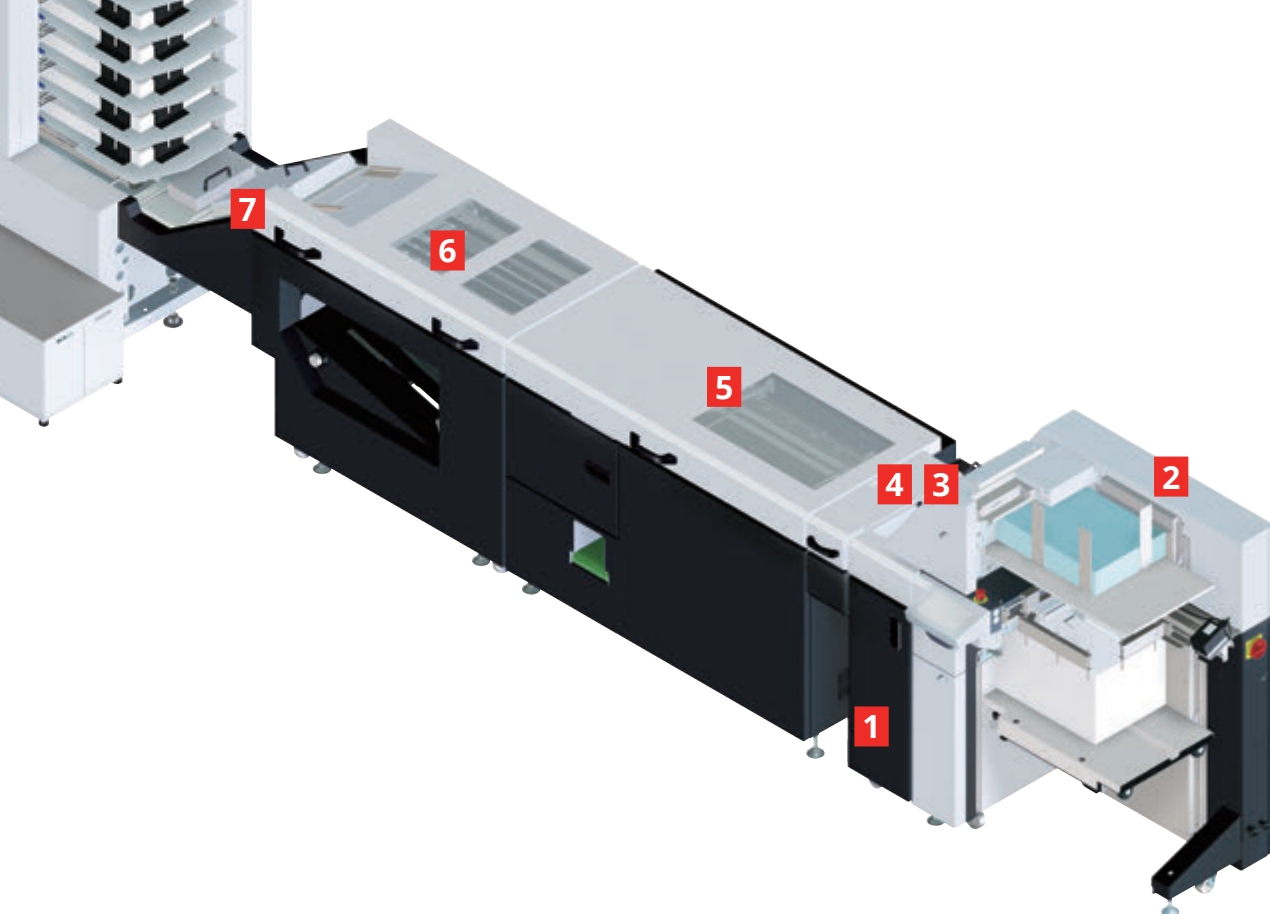
- The CF-400 merges the cover sheets into the sheets fed from the HOF-400.
- The maximum pile height is 200 mm or 7.8".
- The feeding type can be selected from four choices; "Inserting above the sheets fed from the HOF-400 to cover feeding", "bottom cover feeding", "Inserting" or "sheet feeding only from the CF-400".
- Ultrasonic sensor is used for reliable sheet detection.
- When the StitchLiner series is connected, the CF-400 can feed six-page covers.



3 BVS-400 BARCODE VERIFICATION SYSTEM

- The BVS-400 reads a barcode printed on a sheet to verify page order. The conveyor CV-400 (for barcode reader mounting) and the PC (for verification) are required.





4 CV-400 CONVEYOR

- This conveyor is used to mount a barcode reader for the BVS-400.
- By-pass conveyor when AC-400 is not connected.

*Production is slower when AC-400 is not used.

*AC-400 is always required when the StitchLiner is connected.



6 AC-400 ACCUMULATOR

- The AC-400 accumulates the sheets and transport them to the bookletmaking system.
- Sheets are regularly overlapped Horizon's unique accumulation mechanism. This enables high speed and reliable production.
- Test sheets and errored sheets are delivered to the reject tray.
- Manual feed table is provided.



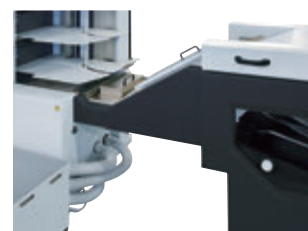
5 CR-400 BLEED CREASE MODULE

- CR-400's impact creaser avoids cracking on digitally-printed applications and also produces crisp tight folded booklets.
- Bleed trims top and tail edge for finished three side trimmed booklets.



7 HIF-400 HYBRID CONVEYOR

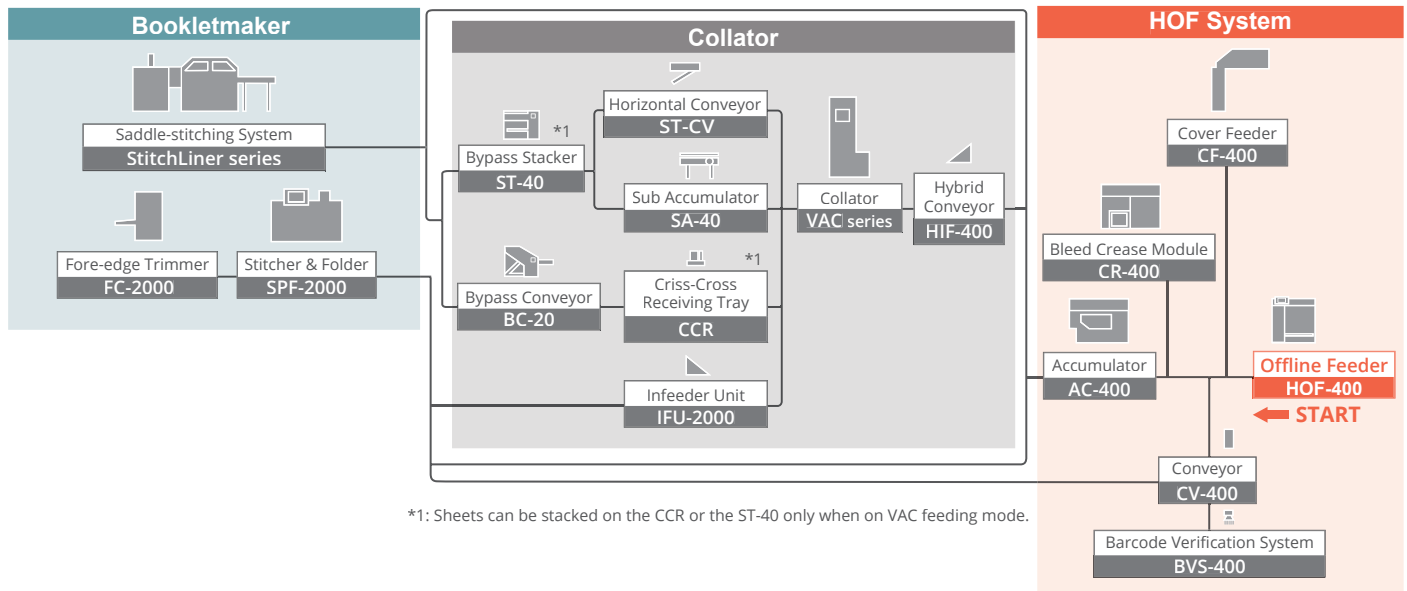
- The HIF-400 is the conveyor which connects the HOF-400 and the collator.
- The HOF-400 can be used to process, pre-collated digital print while the VAC towers can be used for processing offset work.
- When the SPF-2000 or StitchLiner series is used, digital print from the HOF-400 can be merged with the offset print fed from the collator.



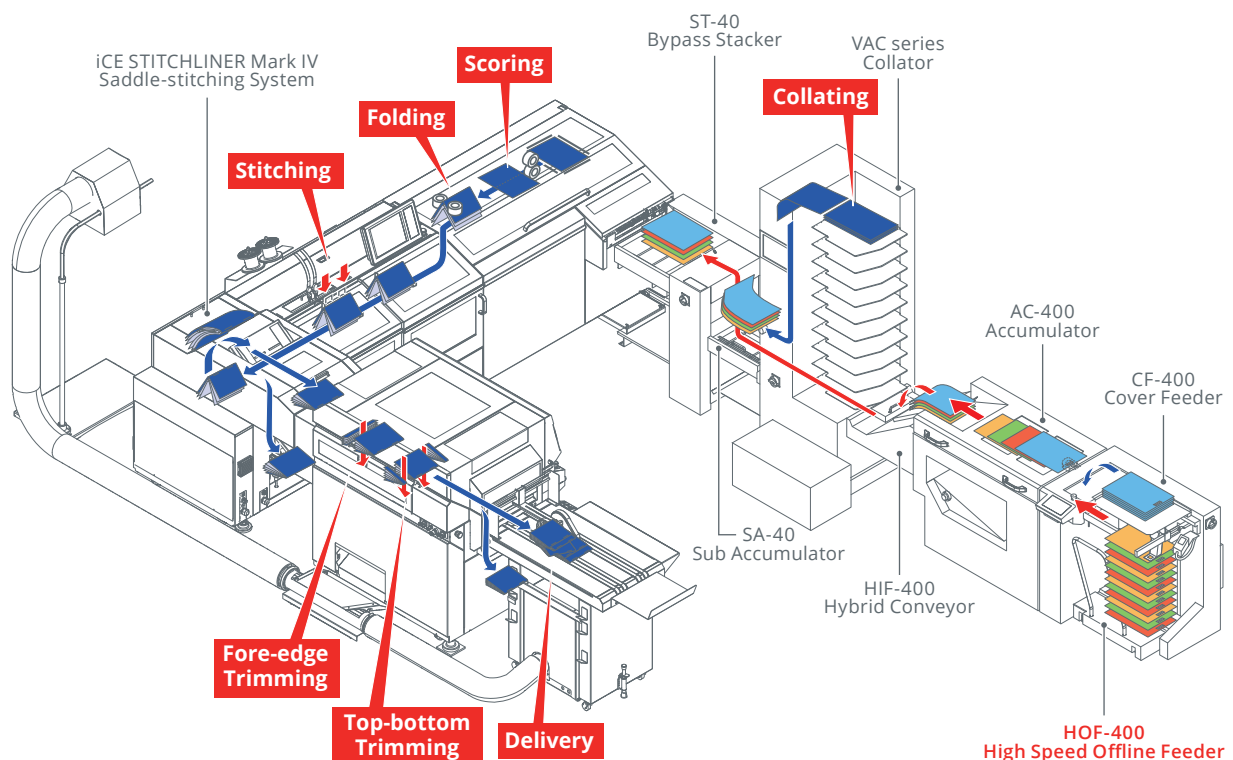
SYSTEM CONFIGURATIONS.

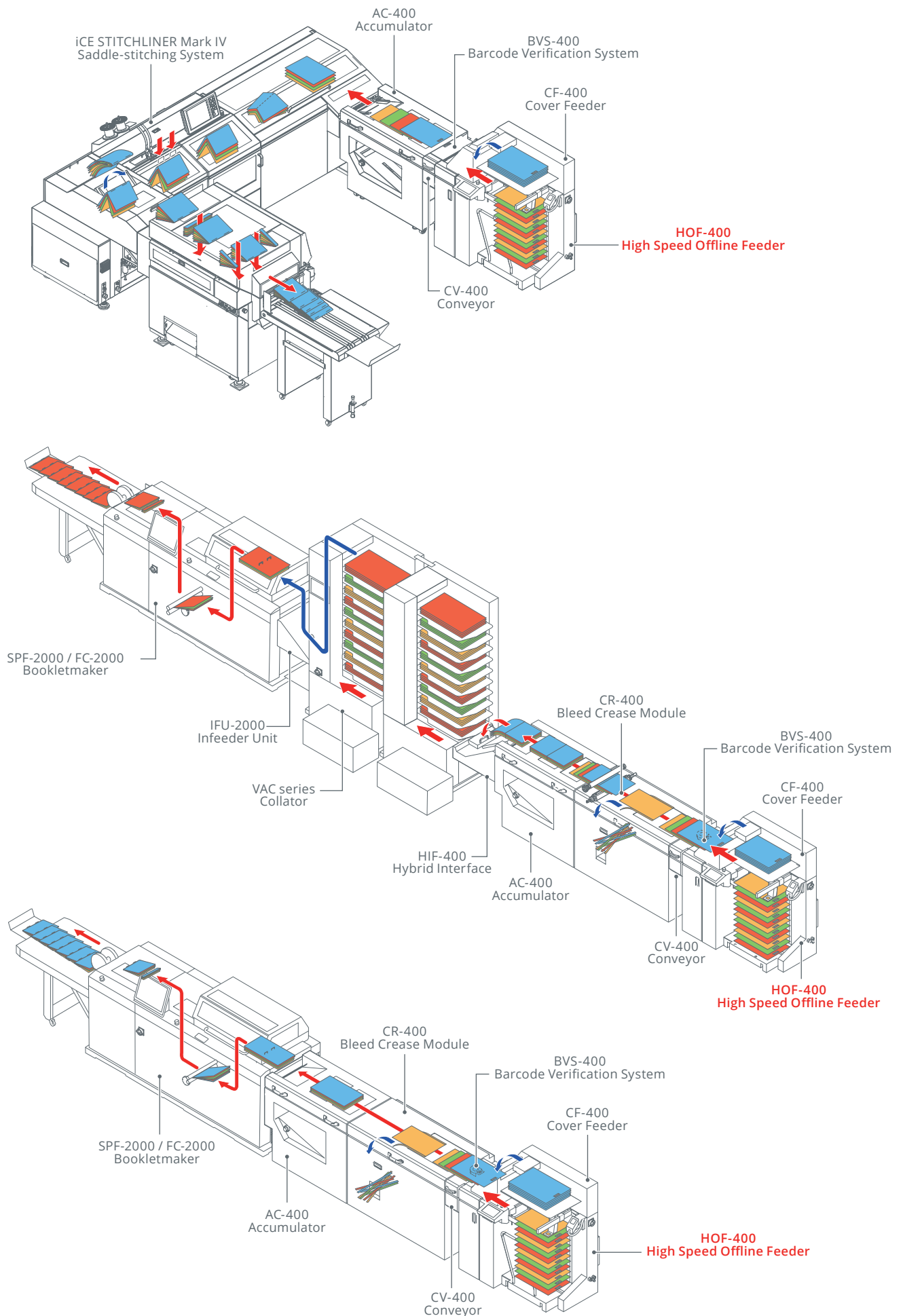
The following flow chart shows the available combination of models.

Start from **Offline Feeder HOF-400** and choose the models you need.



SHEET FLOW

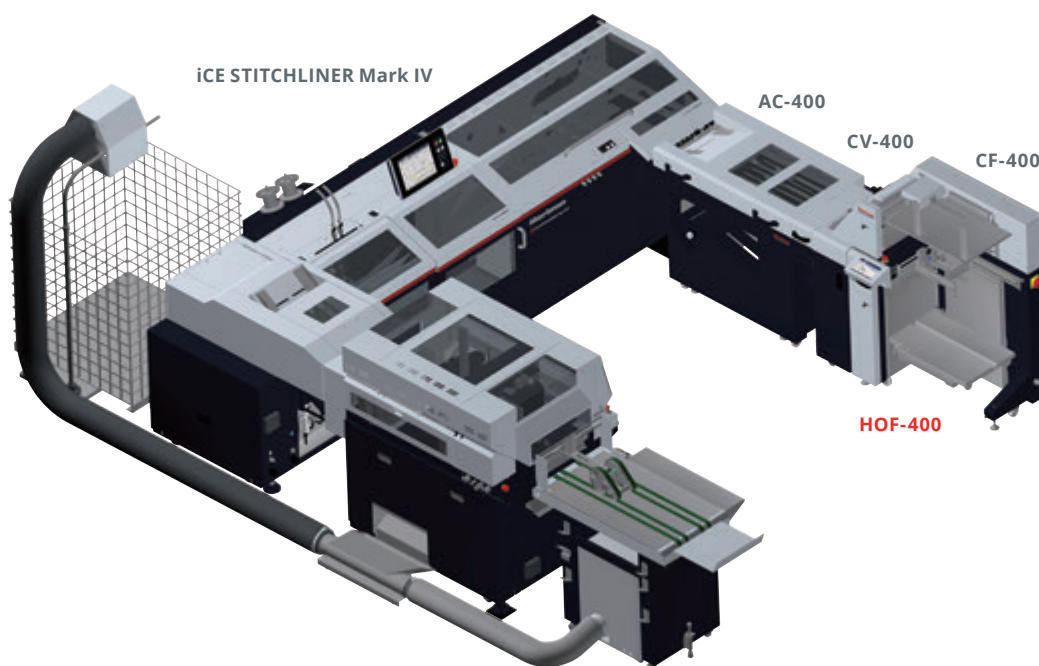




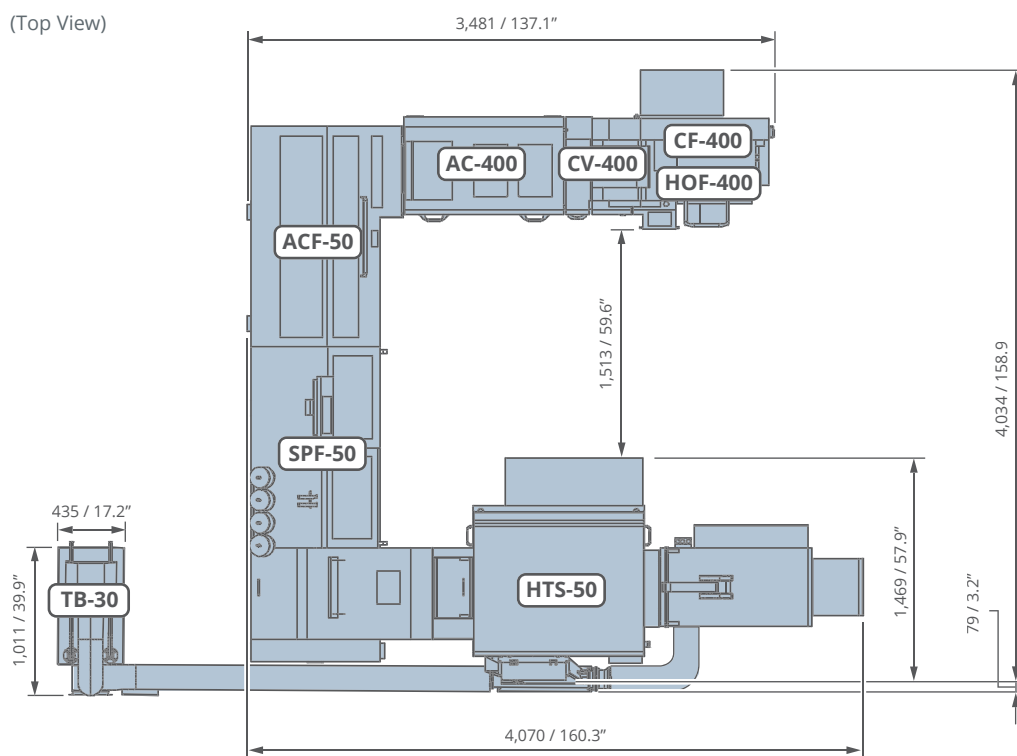
SPECIFICATIONS.

Machine Dimensions. (Unit: mm or inch)

iCE STITCHLINER MARK IV + HOF-400

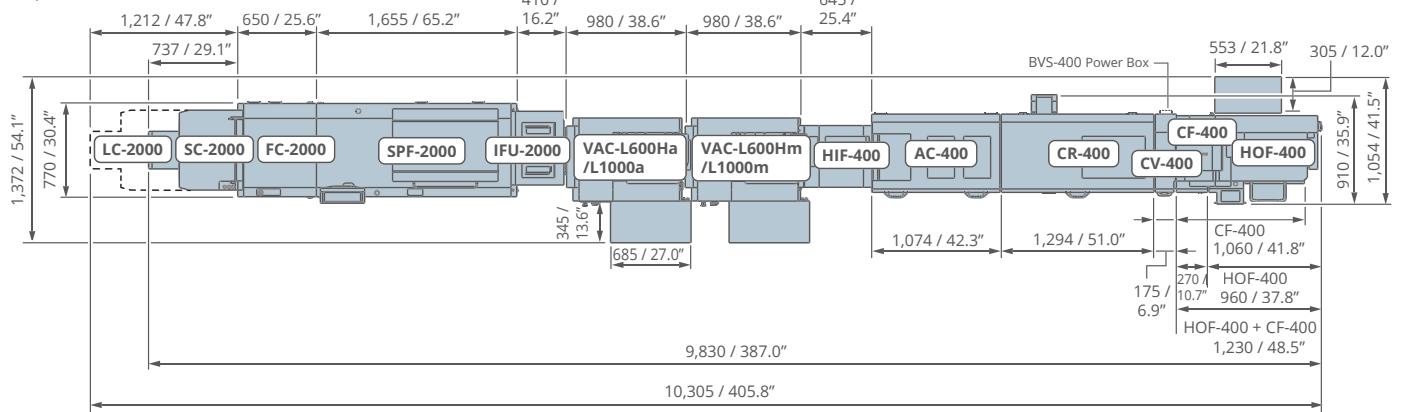


(Top View)

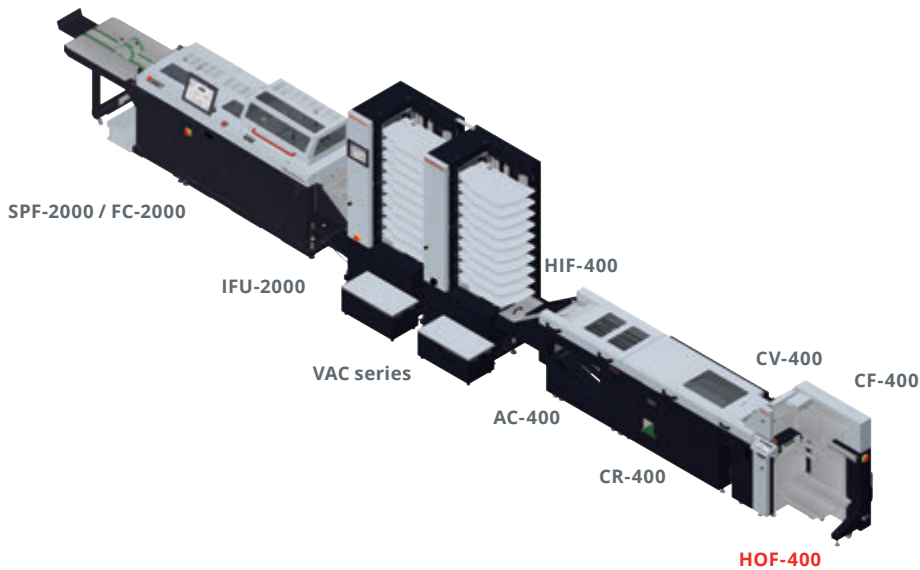


SPF Series + VAC series + HOF-400

(Top View)

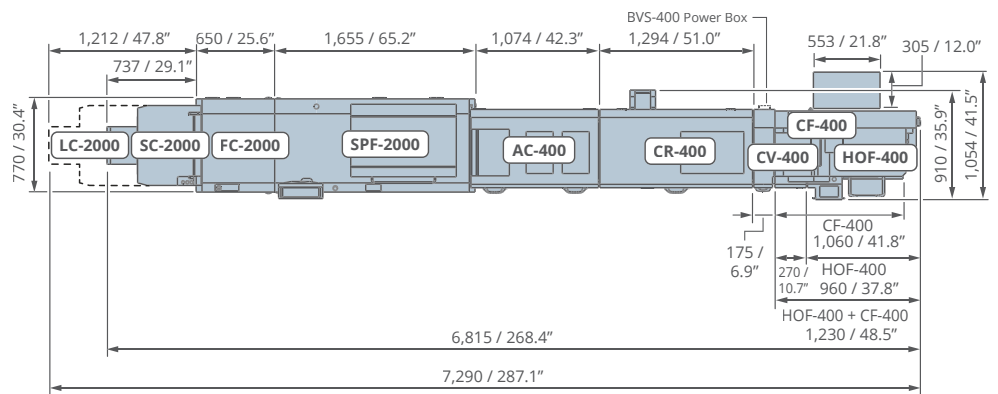


*When installing the SPF-2000, secure at least 200 mm or 7.88" of clearance at the rear of the machine.

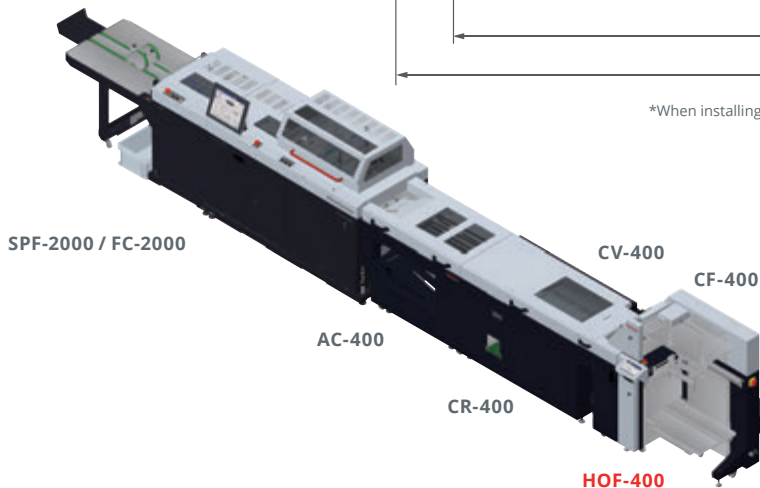


SPF series + HOF-400

(Top View)



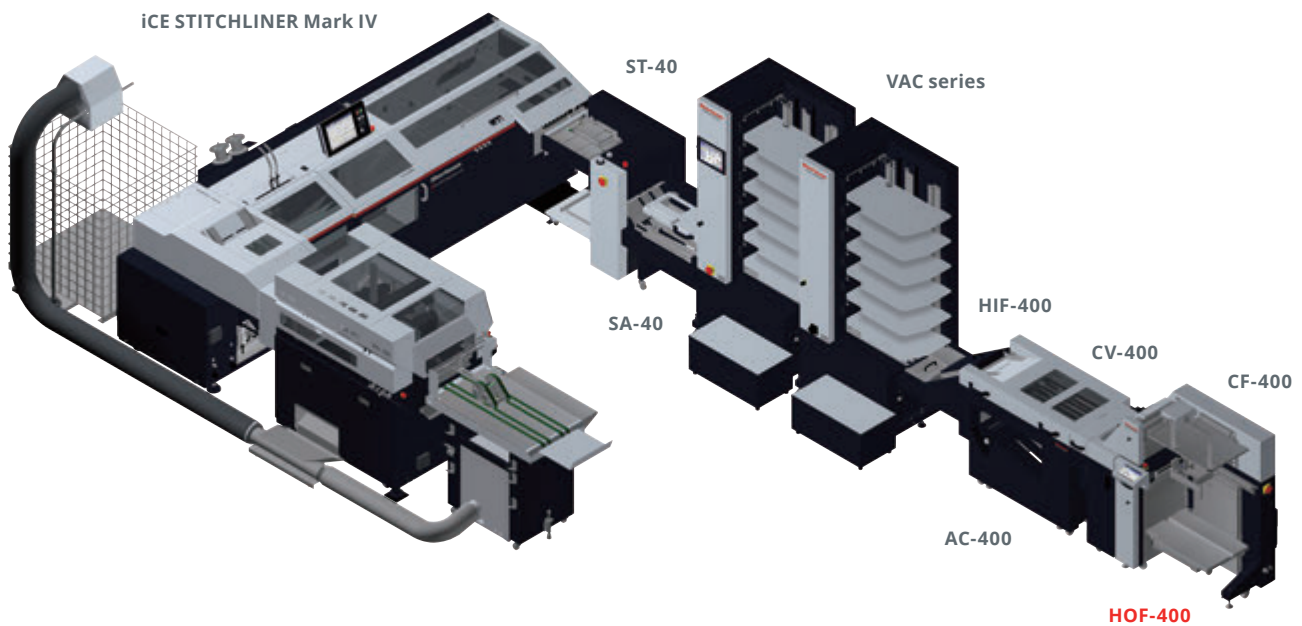
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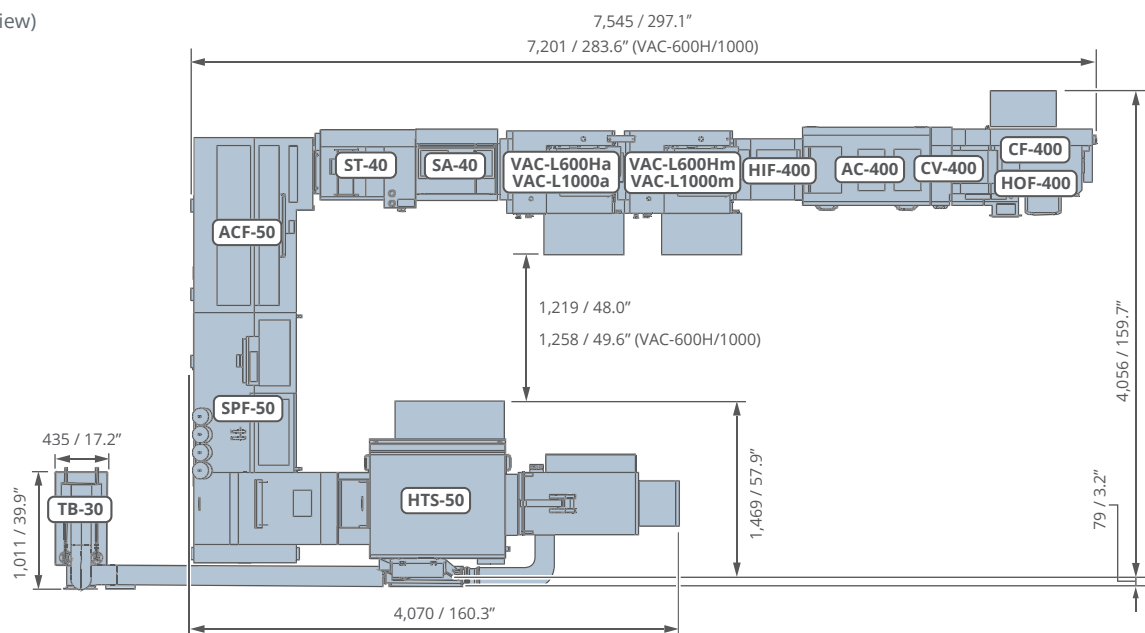
SPECIFICATIONS.

Machine Dimensions. (Unit: mm or inch)

iCE STITCHLINER MARK IV + VAC series + HOF-400



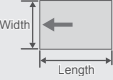
(Top View)



* The width of a single VAC-L600H/L1000 a-tower is 1,034 mm or 40.7".

1,100 mm or 43.3" of additional space is required for every single m-tower when connecting several m-towers behind the a-tower.

* The width of a single VAC-600H/1000 a-tower is 862 mm or 34.0". 930 mm or 36.7" of additional space is required for every single m-tower.

MODEL	HOF-400	CF-400	CR-400	CV-400	AC-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"	Max. 356 x 610 mm or 14.0" x 24.0" Min. 148 x 203 mm or 6.0" 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.	Normal Paper: 64 to 350 gsm Coated Paper: 79 to 350 gsm *When you use thin sheets, you need to decrease the speed depending on the sheet size.	Normal Paper: 52 to 350 gsm Coated Paper: 73 to 350 gsm		
Sheet Pile Height on Feed Tray	Max. 620 mm or 24.4"	200 mm or 7.8"	-	-	-
Trim Width	-	-	Max. 25.4 mm or 1.00" * Min. 3 mm or 0.12" *When the sheet width is 193 mm or shorter, the trim width also becomes shorter according to the sheet width.	-	-
Finished Sheet Width	-	-	Max. 356 mm or 14.01" Min. 142 mm or 5.59"	-	-
Creasing Mechanism	-	-	One set of rubber roller and punch (positive)	-	-
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.)	-	When creasing 203 x 203 mm or 8.0" x 8.0": 28,000 sheets per hour A4: 25,000 sheets per hour A3: 17,000 sheets per hour (When the sheets are processed one by one.)	-	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	3-Phase 200 to 220 V, 50 or 60 Hz 3-Phase 380 / 400 / 415 V, 50 Hz or 60 Hz (The power is supplied from the HOF-400.)	Single Phase 200 to 240 V, 50 Hz or 60 Hz	-	Single Phase 200 to 220V, 50 or 60 Hz (The power is supplied from the HOF-400.)
Machine Dimensions	HOF-400: W960 x D740 (1,050 mm or 41.4" including the blower box) x H936 mm or W37.8" x D29.2" x H36.9"	Feed Section: W1,060 x D640 x H330 mm or W41.8" x D25.2" x H13.0"	W1,294 x D852 x H910 mm or W51.0" x D33.6" x H35.9"	W175 x D675 x H440 mm or W6.9" x D26.6" x H17.4"	W1,074 x D655 x H910 mm or W42.3" x D25.8" x H35.9"
	Blower Box: W553 x D305 x H350 mm or W21.8" x D12.0" x H13.8"	Transport Section: W275 x D640 x H910 mm or W10.9 x D25.2" x H35.9"			

*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.

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