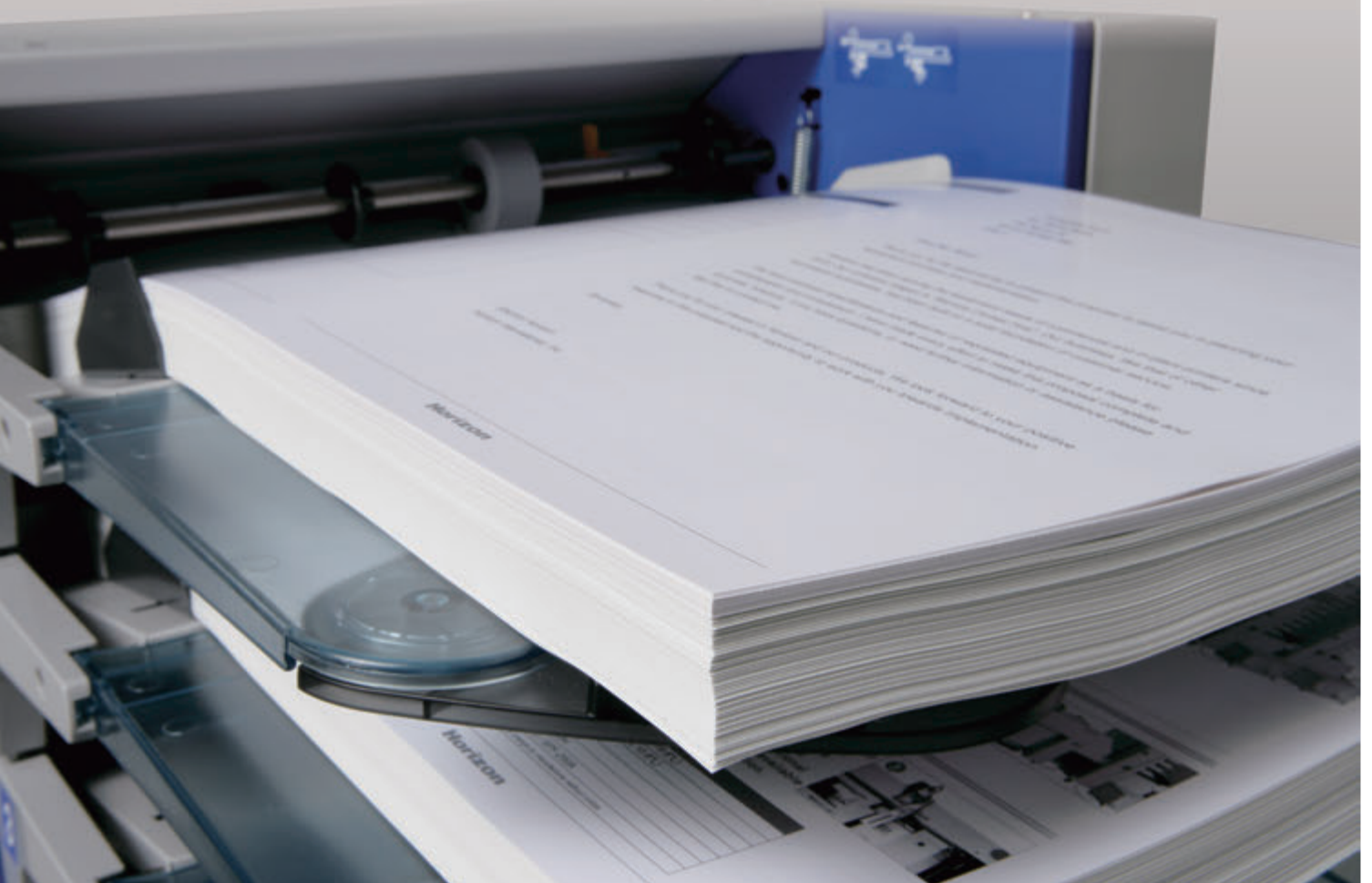# Horizon

TABLE-TOP COLLATOR

QC-S Series

Simple One-Touch Collation

TWO TYPES OF TABLE-TOP COLLATORS.

Compact yet high performance collators for your efficiency.

## QC-S30 TABLE-TOP COLLATORS - 10 BINS

The QC-S30 entry level tabole-top collator features simple push button operation which allows an operator to collate hundreds of sets in just minutes.

USER-FRIENDLY OPERATION

Three basic operation buttons, Check, Start and Stop, are located under the display panel for simple and easy operation.

COLLATING FLOW

Page 1
Page 2
Page 3
Page 4
Page 5
:
:
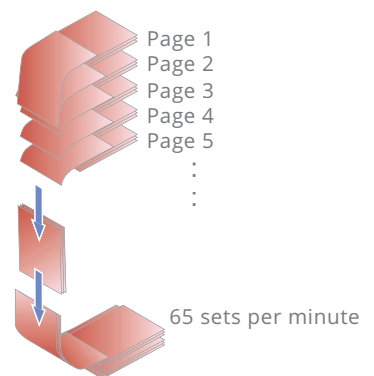
65 sets per minute
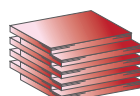
BIN PILE HEIGHT
Capacity: up to 28 mm (1.10")

DEEP RECEIVING TRAY
Capacity: up to 75 mm (2.9")

QC-S30 + MT-100

HIGH SPEED PRODUCTION - 65 SETS PER MINUTE
Maximum production speed is 65 sets per minute (A4 / 8.5" x 11" LEF, Offset stack).

Offset Stacking

QUICK RECOVERY
The machine stops automatically if the feeding errors (double feed, mis-feed, sheet jam) are detected. The error indication on the monitor screen assists the quick recovery.

STABLE FEEDING
The large-diameter feed rollers enable the collator to handle a wide variety of sheets. The double feed stop pad and feed bins can be switched between high and low pressure settings for stable feeding.

PRESET STOP
This function is useful for collating a pre-determined number of sets. The collating system stops after a preset number of sets have been collated.

QC-S1200 TABLE-TOP COLLATORS - 12 BINS

The QC-S1200 is an advanced table-top collator featuring high speed and high volume production. Newly equipped color LCD touch screen provides the intuitive operation.

INTUITIVE OPERATION WITH COLOR LCD TOUCHSCREEN

The QC-S1200 is equipped with a 5.7 inch color LCD touchscreen. Operation and program settings can be done through the touchscreen.

COLLATING FLOW

Page 1
Page 2
Page 3
Page 4
Page 5
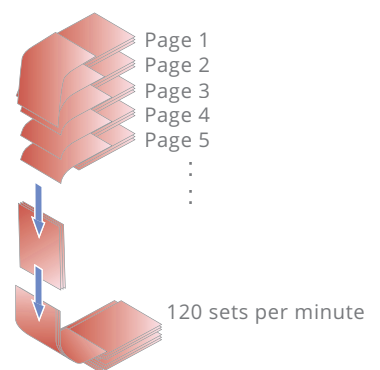
120 sets per minute
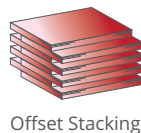
BIN PILE HEIGHT
Capacity: up to 30 mm (1.18")

DEEP RECEIVING TRAY
Capacity: up to 75 mm (2.9")

QC-S12000 + MT-100L

HIGH SPEED PRODUCTION - 120 SETS PER MINUTE

Maximum production speed is 120 sets per minute (A4 / 8.5" x 11" LED, Straight Stack, 3 sheets).

Offset Stacking

90 % POWER SAVING

When the collator is inactive for a certain period of time, 90 % of the power can be saved compared to the power consumption during operation.
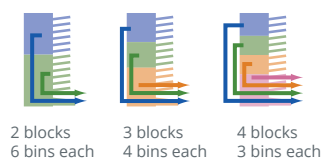
PRESET STOP

This function is useful for collating a pre-determined number of sets. The collating system stops after a preset number of sets have been collated.
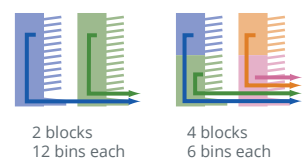
DOUBLE CYCLE

This feature increases the productivity and operator efficiency with non-stop production and it gives ample time for bin reloading. When any bin in the first section empties, the feeding switches over to the second section and continues collating.

Sheet flow in single tower

Sheet flow in connected extension towers

| 2 blocks 6 bins each | 3 blocks 4 bins each | 4 blocks 3 bins each | 2 blocks 12 bins each | 4 blocks 6 bins each |

OPTIONS.

Performance Enhancing Options.

HIGH VOLUME COLLATION

QC-S30F EXTENSION MODULE

QC-S30F

QC-S30 + QC-S30F + QC-S30F + MT-100 x 3

UP TO 30 BINS

The QC-S30 can be extended to a 20 or 30 bins collator by adding collating towers QC-S30F.
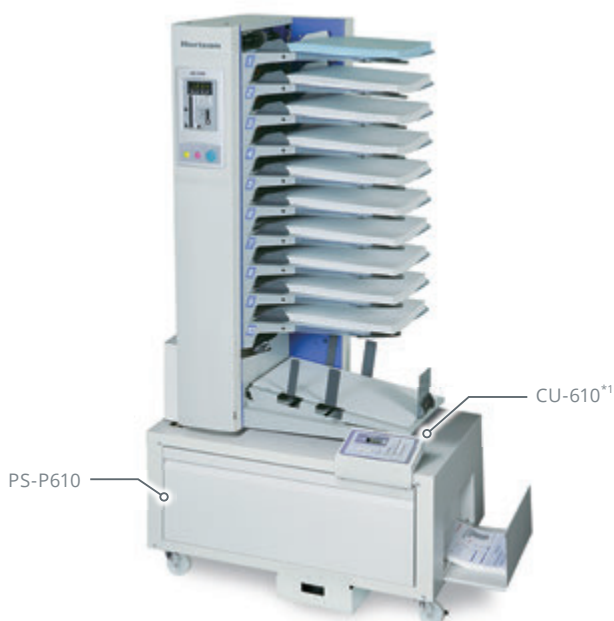
QC-S1200F EXTENSION MODULE

QC-S1200F

QC-S1200 + QC-S1200F + MT-100L x 2

UP TO 24 BINS

Multiple-page collating can be performed in the small foot print. The optional extension module QC-S1200F can be added for up to 24 collating stations.

PUNCH STAPLING

PS-P610 EXTENSION MODULE

CU-610*1

PS-P610

QC-S30 + CU-610 + PS-P610

EASY TO USE

Desired staple pattern can be selected through the control box*1. A light indicates when the system runs out of staples or a jam occurs.

*1 Optional control box CU-610 is required only for QC-S30.
For QC-S1200, the operation can be controlled via touch panel.

VARIABLE FUNCTIONS

Stapling and punching can synchronized with the collating sequence. Top/side stapling, corner stapling, and two hole punching*2 are performed to finish your best suited documents.

*2 Optional punch unit PU-610 is required.

FUNCTIONS

Straight Corner Staple
(A3, A4, B4, B5)

Angled Corner Staple
(A3, A4, B4, B5)

**Optional punch unit PU-610
(Optional for PS-P610)**

Straight Corner Staple
& 2 Hole Punch
(A4, B4, B5)

Angled Corner Staple
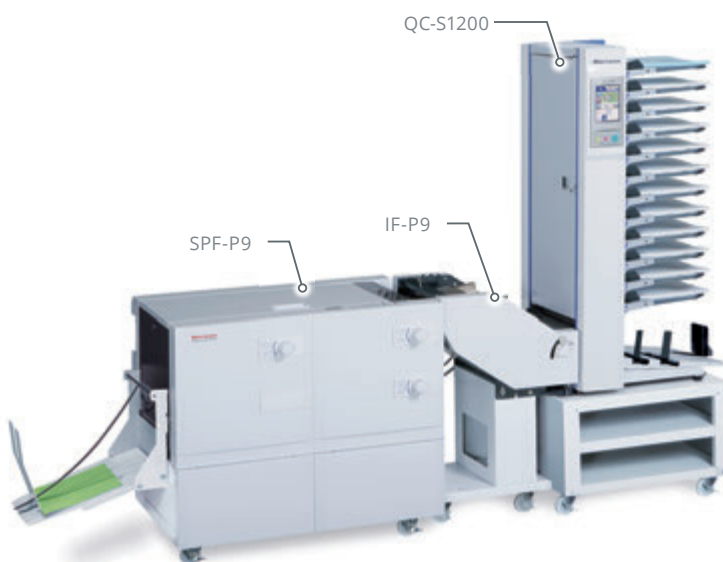& 2 Hole Punch
(A4, B4, B5)

Other Side Corner Staple
(A4, B4)

Top Staple
(A4, B5)

IN-LINE BOOKLETMAKING

SPF-P9 BOOKLETMAKER

QC-S30

SPF-P9

QC-S1200

SPF-P9

IF-P9

QC-S30 + MT-100 + SPF-P9

QC-S1200 + MT-100L + IF-P9 + SPF-P9

BOOKLETMAKING FLOW

Stack the finished booklets on the conveyor.

Fold the stapled sets in line by the fold knife and rollers.

Jog collated sets and center-staple.

Collate sheets.
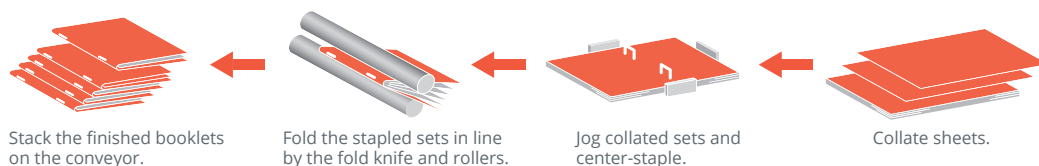
FUNCTIONS

Stapling & Folding
SRA3 (Manual feed only)
A3, A4

Side Stapling
A4

Side Stapling & Folding
A4 SEF

Folding Only
SRA3 (Manual feed only)
A3, A4

HIGH QUALITY BOOKLETMAKING

The SPF-P9 staples and folds for a professional finish. Full-scale bookletmaking can be performed in-line with the QC-S30 / QC-S1200 collator.

HIGH PRODUCTIVITY

33 booklets per minute can be produced with top quality finish. Perfect for a large number of manuals or documents production.

ERROR MONITORING

When the staple becomes empty or a sheet is jammed, an error is indicated.

IF-P9 OPTIONAL INFEED CONVEYOR   For QC-S1200 Only

The IF-P9 contributes the efficient feeding operation between the collator and connected stitcher/punch unit.
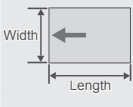
ED-9 OPTIONAL DELIVERY CONVEYOR

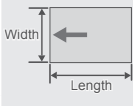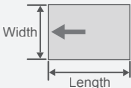The ED-9 motor-driven conveyor provides smooth delivery of finished booklets for increased efficiency.
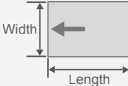
SPECIFICATIONS.

Machine Dimensions. (Unit: mm / inch)

QC-S30	
Numberr of Bin	10 bins Extension Modules (QC-S30F) allow to increase up to 30 bins.
Sheet Feeding System	Friction Feed
Sheet Size	**Width x Length** Max. 320 x 432 mm / 12.59" x 17.00" (W320 mm available in single collator only / Up to W305 mm collating with the extension module) Min. 138 x 175 mm / 5.44" x 6.89" A3, 11" x 17", 8.5" x 14", A4, 8.5" x 11", A5, and 5.5" x 8.5"
Sheet Weight Range	52.3 to 127.9 gsm
Bin Pile Height	28 mm / 1.10"
Production Speed	Max. 65 sets per minute (A4 / 8.5" x 11" LEF) *The speed slows down when using multiple towers.
Stacking	Offset Stack, Straight Stack
Error Detection	Sheet jam, No Sheet, Mis-Feed, Double Feed, Option Error, Tray Full and Cover Open
Other Functions	Total Counter, Preset Counter, Preset Stop
Voltage/Frequency	Single Phase 115 V, 50 / 60 Hz Single Phase 220 to 240 V, 50 / 60 Hz
Rated Current	QC-S30 Single Phase 115 V, 60 Hz, 1.3 A Single Phase 220 to 240 V, 50 / 60 Hz, 0.7 A QC-S30F Single Phase 115 V, 60Hz, 1.8 A Single Phase 220 to 240 V, 50 / 60 Hz, 0.8 A
Machine Dimensions	W580 x D530 x H1,030 mm / W22.9" x D20.9" x H40.6"
Machine Weight	QC-S30: 73 kg / 161 lb QC-S30F: 80 kg / 177 lb

QC-S1200	
Numberr of Bin	12 bins Extension Module (QC-S1200F) allows to increase up to 24 bins.
Sheet Feeding System	Friction Feed
Sheet Size	**Width x Length** Max. 320 x 450 mm / 12.59"x 17.71" (W320 mm available in single collator only / Up to W 305 mm collating with the extension module) Min. 138 x 175 mm / 5.44"x 6.89" A3, 11"x17", 8.5"x14", A4, 8.5"x11", A5, and 5.5"x 8.5"
Sheet Weight Range	52.3 to 128 gsm
Bin Pile Height	30 mm / 1.18"
Stapling and Folding Speed	Max. 50Hz : 120 sets per minute 60Hz : 146 sets per minute (A4/8.5"X11", Straight Stack, 3 sheets) 65 sets per minute (A4/8.5"X11", Offset Stack, 50Hz: 6sheets /60Hz: 10 sheets) *The speed slows down when using multiple towers.
Stacking	Offset Stack, Straight Stack
Error Detection	Sheet Jam, No Sheet, Mis-Feed, Double Feed, Option Error, Tray Full and Cover Open
Other Functions	Total Counter, Preset Counter, Double Cycle Mode, Tab Sheet Insertion Mode, Preset Stop, Energy saving mode
Voltage/Frequency	Single Phase 115 V, 50 or 60 Hz Single Phase 230 V, 50 or 60 Hz
Rated Current	QC-S1200: Single Phase 115 to 120 V, 50 or 60 Hz, 2.0 A Single Phase 220 to 240 V, 50 or 60 Hz, 0.9 A QC-S1200F: Single Phase 115 to 120 V 50 or 60 Hz, 2.6 A Single Phase 220 to 240 V 50 or 60 Hz, 1.0 A
Machine Dimensions	QC-S1200: W583 (613[*1]) x D529 x H1,200 mm or W23.0" (24.2") x D20.9" x H47.3" (When installing with MT-100L W660 (690[*1]) x D550 x H1,610 mm or W26.0" (27.2") x D21.7" x H63.4") QC-S1200 + QC-S1200F: W1,318 (1,348[*1]) x D529 x H1,200 mm or W51.9" (53.1") x D20.9" x H47.3" (When installing with MT-100L W1,395 (1,425[*1]) x D550 x H1,610 mm or W55.0" (56.2") x D21.7" x H63.4") MT-100L: W605 x D550 x H405 mm or W23.9" x D21.7" x H16.0"
Machine Weight	QC-S1200 : 80 kg (177 lb) QC-S1200F : 87 kg (192 lb)

[*1] When the backstop is at the maximum position.

PS-P610

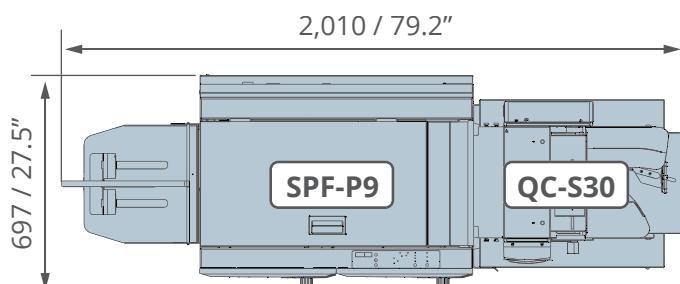|	
Functions	Top stapling, Angled Corner Stapling, Straight Corner Stapling, Other Side Corner Stapling, Two Hole Punching (option)
Sheet Size	**Width x Length** Max. 300 x 432 mm / 11.8" x 17.0" Min. 182 x 257 mm / 7.2" x 10.2" Top Stapling: A4 / 8.5" x 11" Angled Corner Stapling: A3 / A4 / 11" x 17" / 8.5" x 14" / 8.5" x 11" Straight Corner Stapling: A3 / A4 / 11" x 17" / 8.5" x 14" / 8.5" x 11" Other Side Corner Stapling: A4 / 8.5" x 14" Two Hole Punching (option): A4
Sheet Weight Range	Normal Paper 53 to 127 gsm (Up to 104 gsm on Punching)
Stitch Thickness	Side or Corner Stapling : Max. 24 sheets (Normal Paper 81 gsm) Max. 12 sheets (Normal Paper 127 gsm) Optional Punch Capability : Up to 1.5 mm (Max. 12 sheets [Normal Paper 104 gsm])
Stitch Distance	Staple Distance : 148 mm (A4), 5.1" (8.5" x 11") Corner Staple Angle : 0 degree or 30 degree selectable
Stitching Wire	No.510 Cartridge Type (5,000 staples / cartridge)
Receiving Capacity	100 mm (A4, Normal Paper 64 gsm, corner stapling, 50 booklets of 24 sheets [64 gsm])
Stapling and Folding Speed	Side Stapling : Max. 12 sets per minute Corner Stapling : Max. 25 sets per minute
Voltage/Frequency	Single Phase 115 V, 50 / 60 Hz Single Phase 230 V, 50 / 60 Hz
Rated Current	Single Phase 115 to 120V, 50 / 60 Hz, 1.0A (with Collator 3.0A) Single Phase 230 V, 50 / 60 Hz, 1.0A (with Collator 1.4A)
Machine Dimensions	W850 x D580 x H410 mm / W33.5" x D22.9" x H16.2" QC-S1200 + PS-P610: W850 x D660 x H1,610 mm or W33.5" x D26.0" x H63.4" With Delivery Tray: W1,230 mm or 48.5" QC-S1200 + QC-S1200F + PS-P610: W1,410 x D660 x H1,610 mm or W55.6" x D26.0" x H63.4" When connecting QC-S300: H1,450mm or
Machine Weight	74 kg / 163.2 lb

SPF-P9

Functions	Bookletmaking, Top/Side Stapling, Folding only, Top Stapling and Folding
Sheet Size	**Width x Length** Max. 320 x 450 mm / 12.59" x 17.71" Min. 182 x 257 mm / 7.17" x 10.12" SRA3, A3, 11" x 17", 8.5" x 14", A4, and 8.5" x 11" Bookletmaking: SRA3 (Manual Feed Only), A3, 11" x 17", 8.5" x 14", A4, and 8.5" x 11" Top/Side Stapling: A4 and 8.5" x 11" Folding Only: SRA3 (Manual Feed Only), A3, 11" x 17", 8.5" x 14", A4, and 8.5" x 11" Top Stapling and Folding: A4SEF and 8.5" x 11" SEF
Sheet Weight Range	Normal Paper : 64 to 127.9 gsm Coated Paper : 104.7 to 157 gsm (Manual Feed Only)
Stitch Thickness	Bookletmaking : 2.5 mm / 0.098" (25 sheets of 81.4 gsm normal paper) Top/Side Stapling : 3 mm / 0.11" (30 sheets of 81.4 gsm normal paper)
Fold Thickness	2.5 mm (25 sheets of Normal Paper 81.4 gsm)
Stitch Distance	Fixed 120 mm / 4.7"
Stitching Wire	Cartridge Type (5,000 staples/cartridge)
Receiving Capacity	40 books (A3, 10 sheets of Normal Paper 81.4 gsm, bookletmaking)
Stapling and Folding Speed	Max. 33 sets per minute
Voltage/Frequency	Single Phase 115 V, 50 / 60 Hz Single Phase 230 V, 50 / 60 Hz
Rated Current	Single Phase 115 to 120 V, 6 A Single Phase 220 to 240 V, 3 A
Machine Dimensions	Stand Alone : W900 x D660 x H796 mm / W35.4" x D26.0" x H31.3" With Delivery Tray : W1,270 mm x D660 x H796 mm / W50.0" x D26.0" x H31.3"
Machine Weight	154 kg / 340 lb

*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.
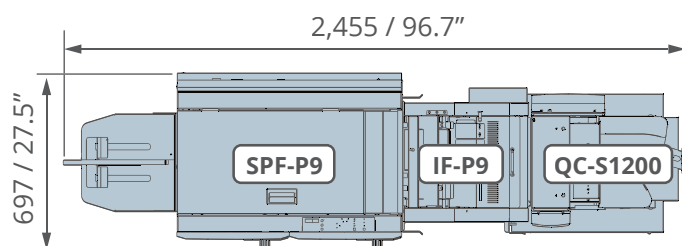
QC-S30 + SPF-P9

(Top View)

2,010 / 79.2"
697 / 27.5"
SPF-P9   QC-S30

QC-S1200 + IF-P9 + SPF-P9

(Top View)

2,455 / 96.7"
697 / 27.5"
SPF-P9   IF-P9   QC-S1200

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