

Horizon

TRIMMING

HT-80

Accurate Finishing with Swing Knives.



OFF-LINE OR IN-LINE FOR FAST, EFFICIENT BOOK PRODUCTION.

BENEFITS

AUTOMATED SET-UP

Most sections can be set up automatically by inputting the untrimmed and finished sizes into the intuitive color touch screen for quick and accurate changeover. Up to 200 job set-ups can be stored for repeating the jobs.

SERVO MOTOR DRIVEN

Servo motors are employed for accurate positioning of the book block. Also, the pressure can be automatically controlled through the touch panel screen to ensure that no marks are left on the trimmed book.

BOOK OF ONE PRODUCTION

Books of the same size but different thickness can be trimmed at the same time, for true book-of-one production.

MANAGE YOUR BINDERY WITH HORIZON'S BINDERY CONTROL SYSTEM

The system can be enhanced with automated workflow from upstream to post-press with iCE LiNK, which uses cloud technology, Horizon's post-press management system.



1 JOGGING SECTION

Thanks to servo motor drive, jogging frequency and stroke can be adjusted for highly accurate positioning and a consistent trimming result.



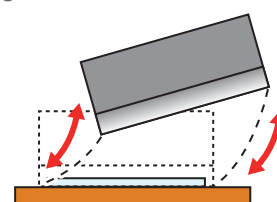
2 CLAMPING SECTION

Servo motor driven pressing mechanism ensures strong pressure (maximum 10kN pressure) to achieve accurate trimming result. Pressure can be adjusted automatically to avoid marking the book.



3 TRIMMING SECTION

Swing knife movement ensures sharp and accurate trims for a clean finished book. Trimming dust removal is ensured with unique guide movement design. Various sizes of press and cutting plates are available as an option to handle a wide range of book sizes.



Swing Knife Movement

OPTIONS.

Efficient Flow of book Binding with In-line Connection to Trimmer from Horizon Book Binder.



COMPATIBLE PERFECT BINDERS

- BQ-500 (4 clamps)
- SB-09V (9 clamps)

FOR IN-LINE

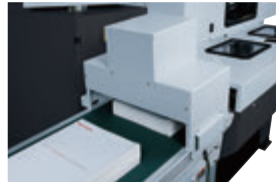
SS-800 STACK STREAM UNIT

- The SS-800 accumulates the bound books and transports them to the cooling conveyor. Settings such as the number of stacked books can be set through the touch screen of the BQ-500.



TD-80 THICKNESS DETECTOR

- Before trimming, the thickness of each book is measured. According to the measured thickness, the press plate waiting position changes automatically for production efficiency.



COOLING CONVEYOR

- Bound books are transported to the trimmer via this conveyor with intermittent control system while ensuring the sufficient cooling time even in a small foot print. Various layout can be arranged depending on space requirements.

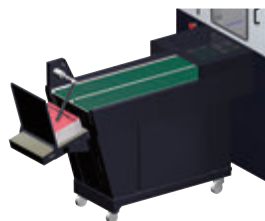


*In-line production requires at least 3 m (9.9 ft) conveyor for cooling.
*For PUR binding, 6 m (19.8 ft) or longer conveyor is recommended.

FOR STAND-ALONE

DV-HT80 DELIVERY CONVEYOR

- The trimmed books can be stacked up to the height of 350 mm or 13.78". The books can be piled up maintaining the best condition by adjusting the speed of conveyor belt.



FOR BOTH IN-LINE & OFF-LINE

STACK/CONVEYOR SECTION

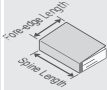
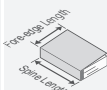
	DV-HT80	Delivery Conveyor for Stacking
	SS-800	Stack Stream Unit (connected to BQ-500)
	SS-110	Stack Stream Unit (connected to SB-09V)
Selection	CV8-1	1 m (3.3 ft) Conveyor
	CV8-2	2 m (6.6 ft) Conveyor
	CV8-3	3 m (9.9 ft) Conveyor
	CV8-L	Curve Conveyor
	-	Cooling Conveyor (connected to SS-110)
	HCG-80	Cooling Conveyor Guide
	KB-80	Stepstool

THREE-KNIFE TRIMMER SECTION

Selection	HC-80	1 m (3.3 ft) Conveyor for Manual Feed (stand-alone)
	HR-80	Roller Conveyor for manual feed (stand alone)
	WP-80	Wide Pusher
	TD-80	Book block Thickness Detector
	SSP-80	Silicon Spray unit
	C-80L	Fore-edge cutter (L)
Each size		Clamper plate / Cutting plate

SPECIFICATIONS.

Machine Dimensions. (Unit: mm / inch)

HT-80	
Untrimmed Book Size	 Spine Length x Fore-edge Length Max. 330 x 330 mm or 13" x 13" 350 x 330 mm or 13.78" x 13" (When Using the Optional C-80L) Min. 145 x 105 mm or 5.71" x 4.135"
Finished Book Size	 Spine Length x Fore-edge Length Max. 300 x 300 mm or 11.81" x 11.81" 340 x 300 mm or 13.385" x 11.81" (When Using the Optional C-80L) Min. 139 x 99 mm or 5.475" x 3.9"
Trim Width	Top and bottom: Max. 30 mm or 1.18" each Fore-edge: Max. 30 mm or 1.18"
Trim Height	1 to 51 mm or 0.04" to 2"
Standard Size Trimmed by Standard Accessory	A4, 8.5" x 11", A5, 5.5" x 8.5"
Clamp System and Pressure	Servo Motor 4 kN to 8 kN (10 kN depending on Condition)
Production Speed	400 to 1,000 cycles per hour
Voltage / Frequency	3-phase 200 to 230 V, 50 or 60 Hz 3-Phase 380, 400, 415 V 50 Hz (Step down to 200 V by Transformer)
Machine Dimensions	W1,610 x D2,610 x H1,515 mm or W63.4" x D102.8" x H59.7"

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

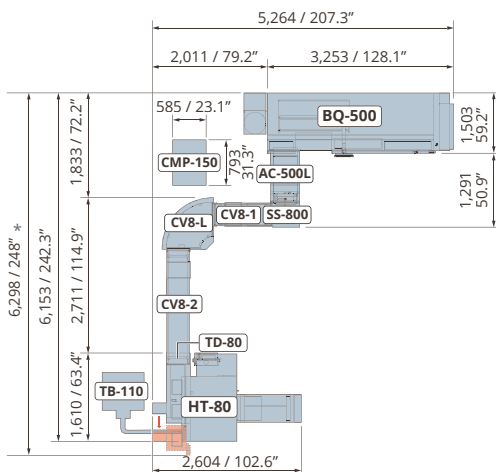
*Specifications may vary depending on the job, paper quality, environmental influences, and various other factors. Please do a test run before starting production.

RECOMMENDED AIR SOURCE		
	When Offline, Connecting SS-80, TD-80	When Connecting SS-110
Rated Output of Prime Mover (Reference)	50 or 60 Hz, 1.5 kW	50 or 60 Hz, 2.2 kW
Required Pressure:	0.55 to 0.95 MPa	0.55 to 0.95 MPa
Required Discharge	160 Liters per minute	260 Liters per minute
Tank Capacity	25 Liter or more	35 Liter or more

*Use the compressor with this specification.

BQ-500 + SS-800 + HT-80

L-SHAPE LAYOUT WITH 3.7M COOLING CONVEYOR



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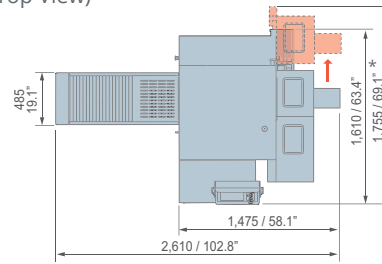
Horizon International Inc.

1601 Asahi, Shinasahicho, Takashima,
Shiga, 520-1501, Japan
Phone : +81-740-25-4570
Fax : +81-740-25-5820
www.horizon.co.jp

Horizon GmbH

Pascalstrasse 20
25451 Quickborn / Germany
Phone : +49 4106 8042-0
E-mail : info@horizon.de
www.horizon.de

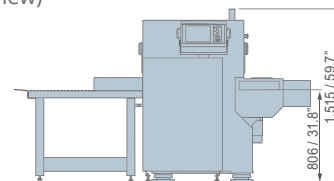
(Top View)



*Dimension when the infeed section is opened.

The infeed section should be opened when replacing the plates.

(Side View)

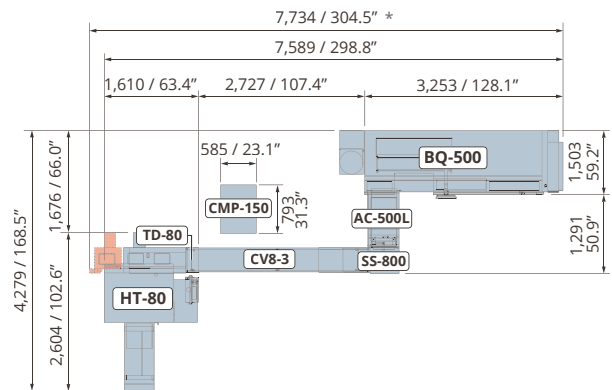


ACCESSORIES

- CP8-FS Cutting Plate
- CP8-FM Cutting Plate
- PP8-A5 Press Plate
- PP8-A4 Press Plate

*Besides those shown above, other cutting/clamper plate sizes are available.

I-SHAPE LAYOUT WITH 3M COOLING CONVEYOR



*Dimension when the infeed section is opened.

The infeed section should be opened when replacing the plates.