

Horizon

HCB-2

HCB-2 Major Specifications

Book Size	Book Block (Top-Bottom x Fore-edge)	A4, A4E, BE, B5E, A5, A5E, LTR, LTRR, EXE, EXER, STM, STMR Max. 304.8 x 304.8 mm (12" x 12") Min. 133.7 x 136.7 mm (5.27" x 5.39")
	Cover Material (Top-Bottom x Fore-edge)	Max. 340.8 x 680.6 mm (13.42" x 26.80") Min. 169.7 x 322.4 mm (6.68" x 12.69")
	Front and Back Board (Top-Bottom x Fore-edge)	Max. 310.8 x 299.8 mm (12.24" x 11.88") Min. 139.7 x 131.7 mm (5.50" x 5.26")
	Spine Board (Top-Bottom X Width)	Max. 310.8 x 29 mm (12.24" x 0.98") Min. 139.7 x 7 mm (5.50" x 0.28")
Book Block Thickness	3 to 25 mm (0.12" to 0.98")	
Weight Range	Cover Material	Presser sensitive sheet (104 gsm to 160 gsm)
	Board Material	Chipboard [recommended thickness: 2 mm(0.08")]
Production Speed	Max. 180 books / hr.	
Voltage/Frequency	Single Phase 115 V, 50/60 Hz	
	Single Phase 230 V, 50 Hz	
Rated Current	115 V, 5.2 A, 50 / 60 Hz	
	230 V, 3.0 A, 50 Hz	
Power Consumption	115 V, 600 W, 50 / 60 Hz	
	230 V, 650 W, 50 Hz	
Heat Output	2,840 kJ (680 kcal)	
Motors	100 W x 1, 10 W x 1	
Heaters	200 W x 2	
Machine Dimensions	1,800(W) x 1,050(D) x 1,536(H) mm (70.9" x 41.4" x 60.3")	
Machine Weight	456 kg (1005.3 lbs.)	

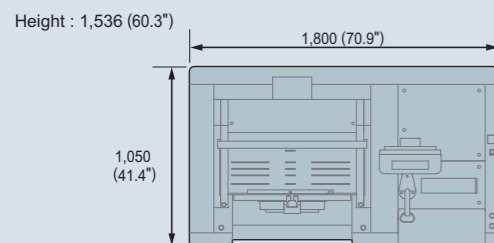
Consumables



End Paper M	220 x 320 mm (8.66" x 12.59") Normal Paper 128 gsm Single Fold Adhesive coated on one side	100 sheets
End Paper L	320 x 320 mm (12.59" x 12.59") Normal Paper 128 gsm Single Fold Adhesive coated on one side	100 sheets
Lining 40	40(W) x 320(L) mm (1.57" x 12.59") 0.1mm pre-glued on one side	100 sheets
Lining 70	70(W) x 320(L) mm (2.75" x 12.59") 0.1mm pre-glued on one side	100 sheets
Lining with sheet 40	250 x 320 mm (9.84" x 12.59") 0.1 mm pre-glued on one side (For cover feeding)	100 sheets
Lining with sheet 70	250 x 320 mm (9.84" x 12.59") 0.1 mm pre-glued on one side (For cover feeding)	100 sheets

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

Machine Dimensions [Unit : mm (inch)]



Book blocks for case bound books can be bound with Horizon Perfect Binders

BQ-150 : Single-Clamp Binder



BQ-270C : Single-Clamp Binder



BQ-470 : 4-Clamp Binder



ISO 9001:2000
ISO 14001:2004

Manufactured by Taiyo Seiki Co., Ltd.

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Standard Finishing Systems, 10 Connector Road, Andover, MA 01810 (877) 404-4460 www.standardfinishing.com



Printed on 100% Recycled Paper

HORIZON INTERNATIONAL, INC.

510 Kuze Ooyabu-cho, Minami-ku, Kyoto, 601-8206, Japan Phone : +81-(0)75-934-6700, Fax : +81-(0)75-934-6708, www.horizon.co.jp

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i2i System
Connectable Product

Ideal solution for producing On Demand case bound books.

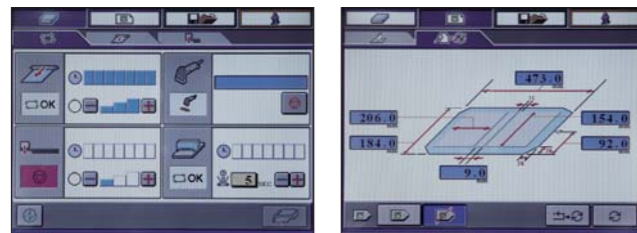
Produce professional quality case bound books with a simple process.

Complex case binding steps are simplified with easy touch screen operation and advanced automation.



1 Operation Console

Simple, easy set up and operation through the intuitive touch screen. The setups are automatically completed after inputting the book block size into the touch screen.



2 Card Board Attachment

Board positioning guides are set according to the cover size input through the touch screen. A laser light center line is provided for easy center alignment of the cover sheet. Pressure sensitive cover sheet is used for efficient and high speed production.

3 Case Making

The cover sheet is automatically wrapped to the board on four sides simply by placing the cover in position.

4 Joint Forming

Casing in and joint forming are performed automatically by simple insertion of the prepared book block.

5 Barcode Verification System (Option)

Optional barcode verification system ensures the cover and book block match to eliminate costly errors.

6 Ergonomic Design

The ergonomic design provides comfortable, convenient operation by placing all necessary consumables and tools within easy reach.

Simple Operation

The control touchscreen is intuitive and all system processes are within arms reach.



1 Input the dimension of the book into the touch screen.



2 Place the board according to the guides.



3 Position the pressure sensitive cover using the laser. Center line for accurate print or image alignment.



4 Attach the pressure sensitive cover to the board.



5 Place the cover into the edge wrapping station, where the four sides of the cover will be wrapped automatically.



6 Scan the barcode on the case and the book block to verify a match.



7 The casing in step forms the hinge and joins the book block with the case.



8 The release liner is removed from the end sheet to complete the book.