

Horizon

Perfect Binder BQ-160

BQ-160



Professional quality books with a simple process.
Up to 40mm (1.6") thick books can be bound.



A Perfect Finishing Solution for On Demand Production!

Simple touchscreen operation and an efficient binding procedure achieves production rates up to 180 cycles/hour.



1 Color Touchscreen

A graphical icon-based color touchscreen is provided for easy set-up and operator navigation.

Ecology functions:

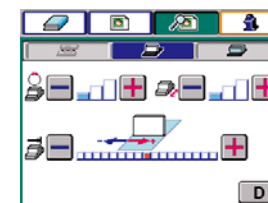
Power saving mode (stand-by mode): If the system is not used for a predetermined period, the glue tank heater will automatically adjust to a lower temperature.



Auto shut down mode: If the system is not used for a predetermined period of time, the system automatically shuts down.

2 Clamper Section

The clamp opens and closes with the simple press of a button for operator convenience.



Clamper setting



4 Glue Tank Section

Uniquely designed glue tank ensures superior glue application to the book spine for quality binding.



5 Nipping Section

Strong nipper mechanism ensures quality book binds. Nipping pressure, nipping height and angle can be adjusted from the touch screen.

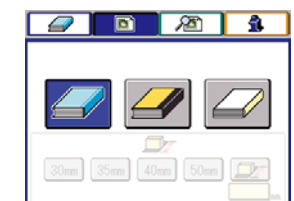


Nipper setting screen

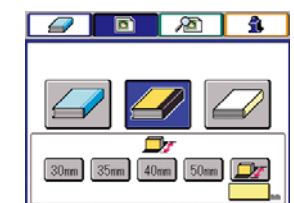
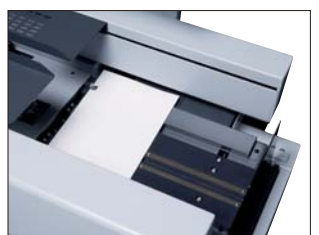


6 Cover Section

Perfect binding, tape binding and padding can be performed. Tape width can be adjusted automatically by selecting desired width from the touchscreen.



Perfect binding setting

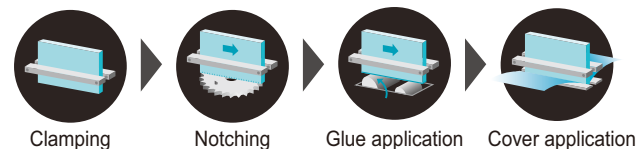


Tape binding setting



Simple Operation

Quick and Easy Production Steps.



Insert the book block and press the start button.



Place the cover and press the start button again.



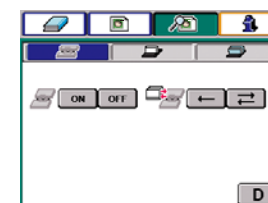
Glue is applied on the spine of the book.



A cover is applied and book binding is completed.

3 Notching Section

The double-pass notching function produces strong book binds. Notching can be easily set ON or OFF from the touchscreen.



Notching setting

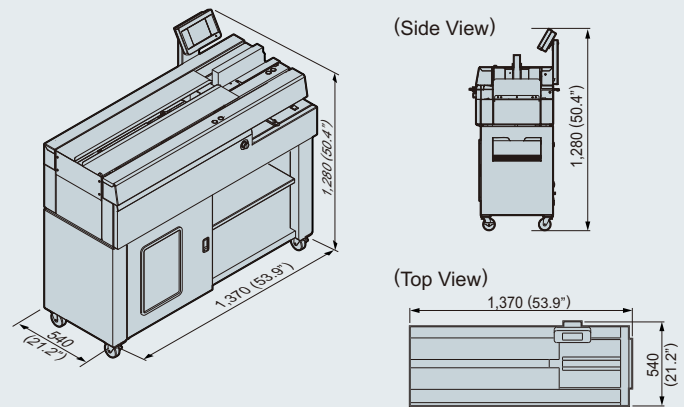


BQ-160 Major Specifications

Binding Mode	Cover Binding, Tape Binding, Pad Binding
Number of Carriage Clamps	1
Book Block Size (Top-Bottom x Fore-edge)	Max. 350 x 300 mm (13.7" x 11.8") Min. 70 x 128 mm (2.8" x 5.1")
Book Thickness	1 to 40 mm (0.04" to 1.6")
Cover Size (Top-Bottom x Fore-edge)	Max. 350 x 640 mm (13.7" x 25.1") Min. 70 x 256 mm (2.8" x 10.1")
Cover Weight Range	82 to 302 gsm (22 to 80 lb)
Production Speed	Max. 120 cycles / hr (Pad binding) Max. 180 cycles / hr (Cover Binding)
Voltage / Frequency	Single Phase 100V, 50 / 60Hz Single Phase 115 V, 50 / 60 Hz Single Phase 230 V, 50 / 60 Hz
Machine Dimensions	1,370(W) x 540(D) x 1,331(H) mm (54.0" x 21.3" x 52.5")

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

Machine Dimensions [Unit : mm (inch)]



Wide ranges of perfect binders are available

BQ-P60 : Tabletop Perfect Binder



BQ-270C : Single-Clamp Binder



BQ-470 : 4-Clamp Binder



Major Specifications

	BQ-P60	BQ-160	BQ-270C	BQ-470
Binding Mode	Cover Binding, Tape Binding, Pad Binding	Cover Binding, Tape Binding, Pad Binding	Binding with milling, Binding without milling and Pad binding	Binding with milling, Binding without milling and Pad binding
Number of Carriage Clamp	1	1	1	4
Book Block Size (Top-Bottom x Fore-edge)	Max. 315 x 210 mm (12.4" x 8.2") Min. 210 x 148 mm (8.3" x 5.9")	Max. 350 x 300 mm (13.7" x 11.8") Min. 70 x 128 mm (2.8" x 5.1")	Max. 320 x 320 mm (12.5" x 12.5") Min. 135 x 105 mm (5.4" x 4.2")	Max. 320 x 320 mm (12.5" x 12.5") Min. 145 x 105 mm (5.7" x 4.2")
Book Thickness	Max: 25 mm (0.9")	1 to 40 mm (0.04" to 1.6")	1 to 50 mm (0.04" to 2.0")	1 to 65 mm (0.04" to 2.56")
Production Speed	Max. 180 cycles / hr.	Max. 180 cycles / hr.	Max. 500 cycles / hr.	Max. 1,350 cycles / hr. (EVA) Max. 1,000 cycles / hr. (PUR)

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HORIZON INTERNATIONAL, INC.

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BQ-160PUR

PUR Binder



Features

1. Suitable to produce personalized photo book production such as wedding albums and travel albums.
2. Perfect binding, tape binding and lining binding (for case binding) can be performed.
3. Up to 40 mm / 1.57" thickness of book can be produced.
4. Optional CRB-160 impact creaser can be on-line to prepare creased (up to 8 line) cover.
5. Optional VS-160 fume extractor is available for clean operation.

True book of one PUR bound book production with simple operation.



1 Color Touchscreen

A graphical icon-based color touch screen is provided for easy set up and navigation. Perfect binding, tape binding and lining binding can be performed with simple select from touch screen.



2 Book block production for Case binding

2nd Level plate is available for lining bound book block production. End paper can be added here after notching process so that lining bound book can be produce in single pass.



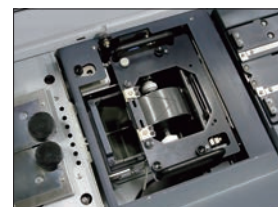
3 Notching station

The double pass notching system produces strong book binds. Notching can be easily set ON or OFF from the touch screen. Notching cutter is specially designed for PUR glue binding so that notching cutter performs very fine pitch roughening.



4 Glue tank

Glue amount and cut off can be controlled from the touch screen. Teflon coated cassette style glue tank is very easy to clean. Glue tank clearing station is prepared for easy cleaning.



5 Nipping station

Strong Nipper mechanism ensures to strong and clean look book. Nipping pressure, Nipping height, Nipping time, Nipping waiting time and Nipping angle can be adjusted from the touch screen.



6 Fume extraction (VS-160): Option

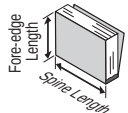
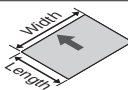
Optional fume extraction blower can be equipped for clean and comfortable operation. Extraction hood is equipped as standard for easy arrangement of evacuation at shop floor.



7 Creaser (CRB-160): Option

Optional CRB-160 impact creaser can be on-line to prepare creased (up to 8 line) cover.



BQ-160PUR Major Specifications	
Binding Type	   Cover Binding, Tape Binding, Lining Binding
Book Block Size	 Spine Length x Fore-edge Length Max. 350 x 300 mm / 13.77" x 11.81" Min. 70 x 128 mm / 2.76" x 5.04" A4 / B5 / A5 / B6
Book Block Thickness	1 to 40 mm / 0.04" to 1.57"
Cover Size	 Length x Width Max. 350 x 640 mm / 13.77" x 25.19" Min. 70 x 256 mm / 2.76" x 10.08"
Cover Weight Range	82 to 302 gsm / 22 to 80 lb
Recommended Glue	PUR
Glue Temperature	100 to 140 °C (212 to 284 degrees Fahrenheit)
Cycle Speed	Max. 180 cycles per hour (Cover Binding) (Operator's working time is not included) Max.120 books per hour (Tape Binding) Max.100 books per hour (Lining Binding)
Voltage/Frequency	Single Phase 115 to 120 V, 50 / 60 Hz Single Phase 220 to 240 V, 50 / 60 Hz VS-160 (option) : Single Phase 115 to 120 V, 50 / 60 Hz, 2.9 A Single Phase 220 to 240 V, 50 / 60 Hz, 1.1 A
Rated Current	Single Phase 115 to 120 V, 50 / 60 Hz, 5.6 A Single Phase 220 to 240 V, 50 / 60 Hz, 2.5 A
Machine Dimensions	W1,430 x D605 x H1,335 mm / 56.3" x 23.9" x 52.8" (without the Exhaust Duct Kit)
Machine Weight	230 kg / 507.1 lb

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