

**Horizon**

# HCM-1/HCP-1

## Hard Cover Case Binding Was Never Easy... Until Now



**On Demand  
Case Binding**

# The Innovative Horizon Case Binding System Delivers Easy, Efficient Short Run Case Binding

## Features

- **User-friendly.....** Entire case binding process including case-making and joint forming can be done at the push of a button.
- **On Demand Binding..** Personalized or single edition case binding can be produced in house, on demand.
- **Economical Binding...** The system requires no manual glue application. Consumable waste and supply inventory management problems disappear.
- **Original Cover.....** Each original casebound book is completed with a specially prepared and printed cover.
- **Touch-screen Input....** Case preparation set-ups are performed via the touch screen display simply by inputting the book block size.

\*1 Lamination is recommended for digital color output.

### HCM-1 : Case-Making Machine

#### Touch Screen Display



- By inputting the book size, the display will indicate the proper cover sheet and cardboard sizes.
- 20 different job settings can be stored in the memory.

#### Cardboard Attachment

- The cardboard is attached to the cover sheet with a heated roller by simply pressing a button.

#### Case-Making

- The edge of the cover sheet is folded automatically by simply inserting the cardboard.



### HCP-1 : Casing-In Machine

#### Heat-Pressing

- The case and book block are heat-pressed to form the complete book.
- The heat-pressing time can be adjusted as needed.

#### Joint Forming

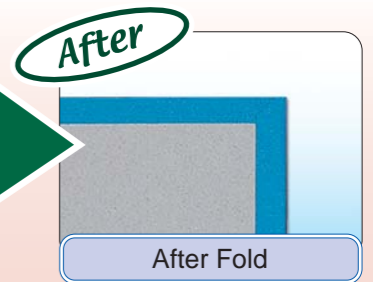
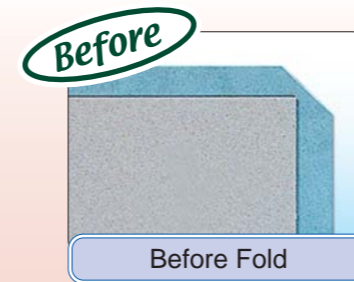
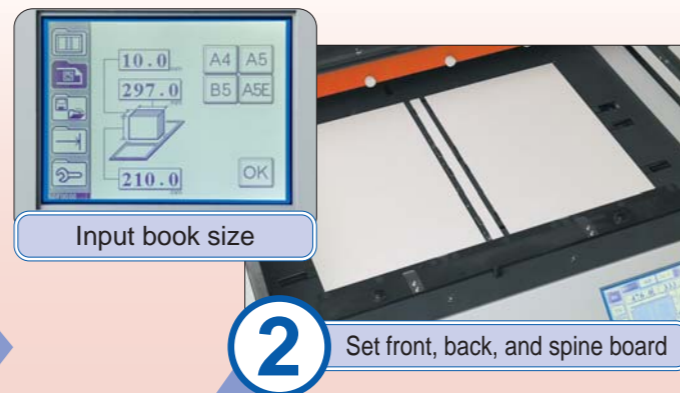
- By simply inserting the case prepared in the HCM-1, the casing-in and joint forming processes are performed automatically.
- The joint forming process does not require any special operator skills.

\* HCP-1 Casing-In Machine table is not included in the system.

User-Friendly Operation

Hard Cover Case Binding Was Never Easy... Until Now.

5 Easy Steps Case-Making



2 Steps Case & Book Block Attaching

Peel off release paper

Heat-pressing of case and book block

## HCM-1 Major Specifications

Book Size	Book Block (Top-Bottom x Fore-edge)	A4, A5, A5E	
		Max. 297 x 215.9 mm (11.69" x 8.5")	
		Min. 133.7 x 136.7 mm (5.27" x 5.39")	
	Cover Material (Top-Bottom x Fore-edge)	Max. 333 x 502.8 mm (13.11" x 19.79")	
		Min. 169.7 x 322.4 mm (6.69" x 12.70")	
Front and Back Board (Top-Bottom x Fore-edge)		Max. 303 x 212.9 mm (11.92" x 8.38")	
		Min. 139.7 x 133.7 mm (5.50" x 5.27")	
Spine Board (Top-Bottom x Width)		Max. 303 x 29 mm (11.92" x 1.14")	
		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	104 gsm to 160 gsm	
	Board Material	Both faces pre-glued (supplied as consumables)	
Warm up Time	20 min.		
Heater Temperature	80 to 140 degrees Celsius		
Production Speed	Max. 40 books/hr.		
Voltage / Frequency	Single Phase 100 V, 50 / 60 Hz		
	Single Phase 115 V, 60 Hz		
	Single Phase 230 V, 50 / 60 Hz		
Rated Current	Single Phase 100 V	50 / 60 Hz	10.0 A
	Single Phase 115 V	60 Hz	10.0 A
	Single Phase 230 V	50 / 60 Hz	5.0 A
Power Consumption	Single Phase 100 V	50 / 60 Hz	1.0 kW
	Single Phase 115 V	60 Hz	1.15 kW
	Single Phase 230 V	50 Hz	1.1 kW
Heat Output	2,380 kJ (570 kcal)		
Heaters	800 W x 1 / 200 W x 1		
Machine Dimensions	845(W) x 700(D) x 1,226(H) mm (33.3" x 27.6" x 48.3")		
Machine Weight	217 kg (478.5 lb)		

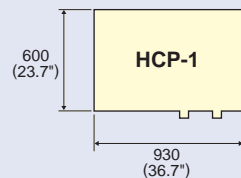
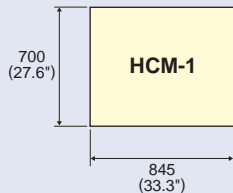
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		Max. 297 x 215.9 mm (11.69" x 8.5")	
		Min. 133.7 x 136.7 mm (5.27" x 5.39")	
Book Block Thickness	3 to 25 mm (0.12" to 0.98")		
Warm up Time	25 min.		
Heater Temperature	80 to 130 degrees Celsius		
Production Speed	Max. 50 books/hr.		
Voltage / Frequency	Single Phase 100 V, 50 / 60 Hz		
	Single Phase 115 V, 60 Hz		
	Single Phase 230 V, 50 / 60 Hz		
Rated Current	Single Phase 100 V	50 / 60 Hz	12.0 A
	Single Phase 115 V	60 Hz	8.7 A
	Single Phase 230 V	50 / 60 Hz	5.1 A
Power Consumption	Single Phase 100 V	50 / 60 Hz	1.2 kW
	Single Phase 115 V	60 Hz	1.0 kW
	Single Phase 230 V	50 Hz	1.16 kW
Heat Output	2,190 kJ (520 kcal)		
Motors	90 W x 1 / 6 W x 1		
Heaters	800 W x 1 / 150 W x 2		
Machine Dimensions	930(W) x 600(D) x 377(H) mm (36.7" x 23.7" x 14.9")		
Machine Weight	96 kg (211.7 lb)		

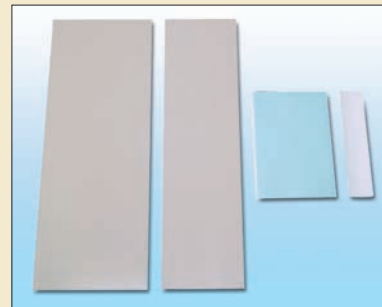
## Machine Dimensions Unit : mm (inch)

Height = 1,226 (48.3")

Height = 377 (14.9")



## HCM-1/HCP-1 Consumables



Board for A4 size	303 x 800 x 2.2(Thickness) (11.92" x 31.49" x 0.08")	50 sheets
	0.1 mm pre-glued on both sides	
Board for A5 size	216 x 800 x 2.2(Thickness) (8.50" x 31.49" x 0.08")	50 sheets
	0.1 mm pre-glued on both sides	
End Paper	220 x 320 mm (8.66" x 12.59")	100 sheets
	Normal Paper 128 gsm Single Fold	
Lining	Adhesive coated on one side	100 sheets
	70(W) x 320(L) mm (2.75" x 12.59")	
	Pre-glued on one side	

Distributed by

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