

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

HCM-1 : Case-Making Machine

Touch Screen Display



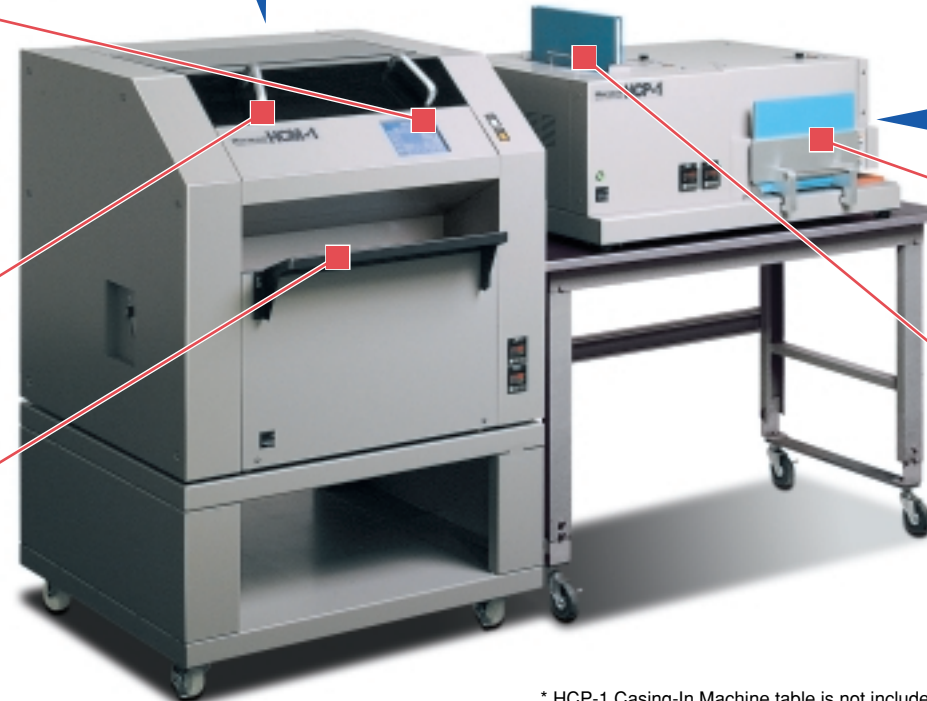
- By inputting the book size, the display will indicate the proper cover sheet and cardboard sizes.
- 20 different job settings can be stored in the memory.

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.

*1 Lamination is recommended for digital color output.

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

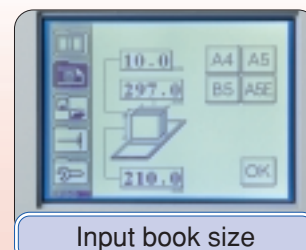
User-Friendly
Operation

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

5
Easy
Steps
Case-
Making



1 Prepare cover material, board material, and book block



Input book size

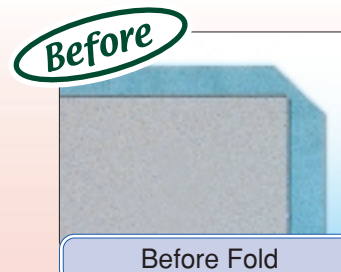
2 Set front, back, and spine board



3 Set cover sheet on boards



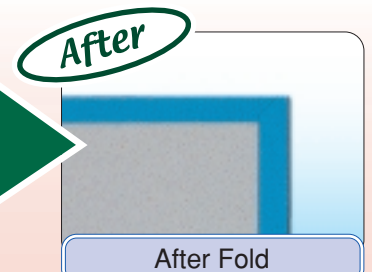
4 Attachment with heated roller



Before Fold

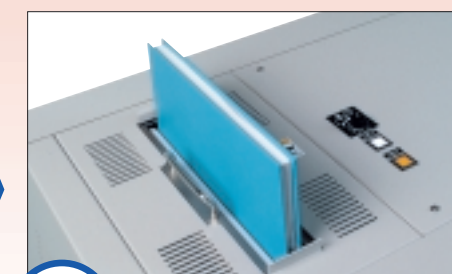


5 Fold cover sheet edge

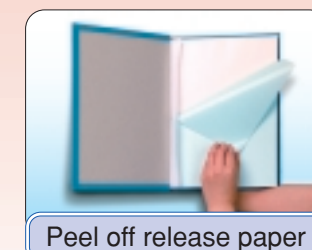


After Fold

2
Steps
Case &
Book Block
Attaching



6 Casing-in and joint forming



Peel off release paper



7 Heat-pressing of case and book block

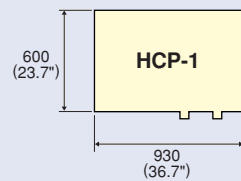
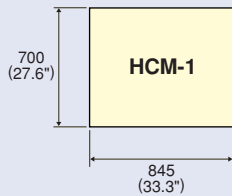
HCM-1 Major Specifications

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 (166 to 284 F)
Production Speed		Max. 40 books/hr.
Voltage / Frequency		Single Phase 100 V, 50 / 60 Hz 230 V, 50 Hz
Rated Current	Single Phase 100 V	50 / 60 Hz 10.0 A
	Single Phase 230 V	50 Hz 5.0 A
Power Consumption	Single Phase 100 V	50 / 60 Hz 1.0 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)

Machine Dimensions Unit : mm (inch)

Height = 1,226 (48.3")

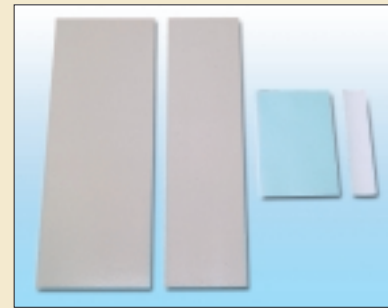
Height = 377 (14.9")



HCP-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")		
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 230 V, 50 Hz			
Rated Current	Single Phase 100 V	50 / 60 Hz	12.0 A	
	Single Phase 230 V	50 Hz	5.1 A	
Power Consumption	Single Phase 100 V	50 / 60 Hz	1.2 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)			

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	70(W) x 320(L) mm (2.75" x 12.59")	100 sheets
	Pre-glued on one side	



Manufactured by : Taiyo Seiki Co., Ltd.

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

Distributed by



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