

Horizon

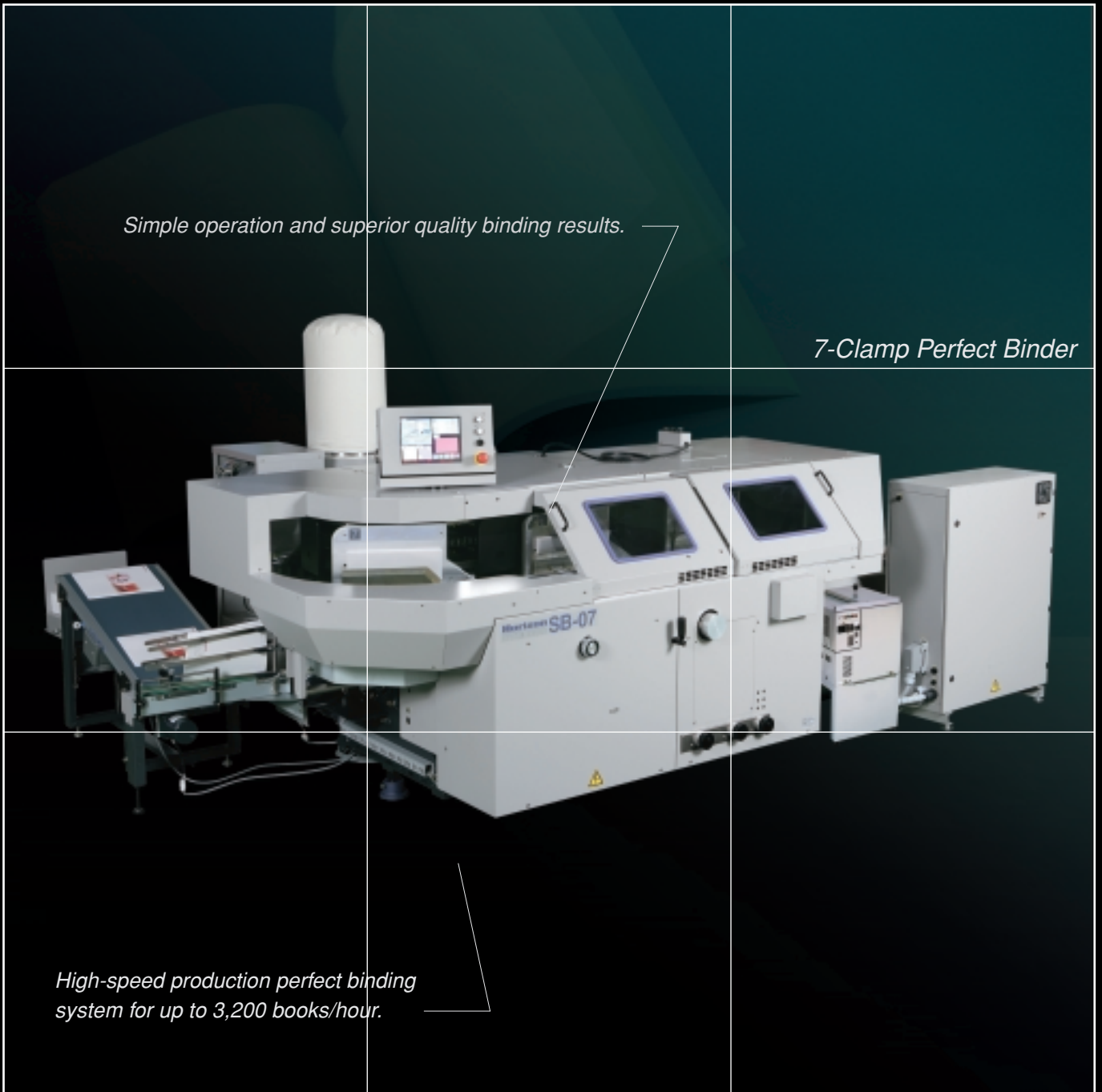
SB-07

Compact and High-Speed Perfect Binder for short-run production.

Simple operation and superior quality binding results.

7-Clamp Perfect Binder

High-speed production perfect binding system for up to 3,200 books/hour.



With semi-automated setup, 7-clamps, and up to 3,200 books/hour, the SB-07 fits your book production needs -- from short runs up.

Features

1. High speed production - Max. 3,200 books/hour.
2. Binding books up to 45 mm (1.77") thick.
3. Semi-automated setup for quick changeover and easy operator fine tuning.
4. User-friendly operation through large color touchscreen.
5. Dual application rollers with side gluing to ensure stronger binding result.
6. Suction cover feeder handles a wide range of cover substrates.
7. Connectable to in-line three-knife trimmer.

Automated Setup

- Milling Guide Width
- Side Glue Width
- Guide Width at Cover Feeder
- Scoring Roller Position
- Guide Width at Cover Sheet Register Section
- Nipper Width



Color Touchscreen ①



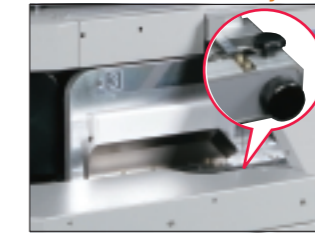
10.4 inch color touchscreen provides book size input, function setups, fine-adjustment, and trouble monitoring.

Book Block Feeding ②



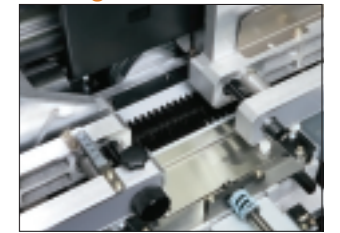
Comfortable working space is provided at the book block feeding section. Built-in jogger helps align the book block.

Book Thickness Adjust ③



A knob at each clamp easily adjusts clamp opening, to handle book thickness ranging from 2 to 45 mm (0.08" to 1.77").

Milling Section ③



A larger diameter milling blade is provided. Milling blade rotation speed and notching pitch can be adjusted.

Glue Application ④



Dual application rollers ensure the glue penetrates deep into the book spine. Side gluing setup can be performed through LCD touchscreen.

Cover Feeder ⑨



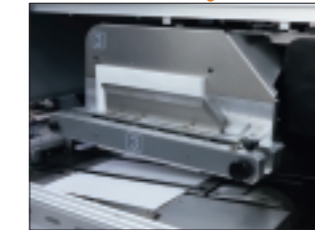
The cover sheet is fed from the top of the pile for markless feeding. Maximum cover pile height is 150 mm (5.90").

Cover Scoring ⑩



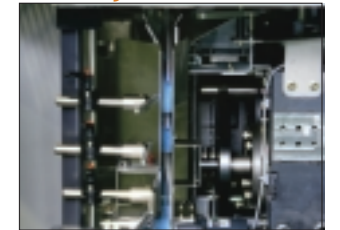
The cover scoring position is setup automatically by inputting the book size data. Pressure on scoring wheels is adjustable.

Cover and Book Registration ⑪



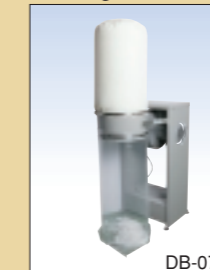
A built-in matching mechanism guarantees precise alignment of the cover to the book block for square accurate spines from first book to last.

Delivery Section ⑬



After cover registration, the bound book is delivered to the conveyor. The elevator-type delivery system keeps the book spine from damage.

Milling Blower Unit (DB-07/DB-07H) ⑫



Paper chips are drawn by the powerful DB-07H vacuum system into a plastic bag for easy disposal.

Smoke Extractor (VS-09) ⑬

Extracts any smoke or fumes from the hot melt glue.

Delivery Conveyor

Selection 1



LD-09S+AC-08* (Rear Side)

Selection 2



LD-07+AC-08* (Operation Side)

Selection 3



LD-09L+SCH-15+CV-101

Choose either front or rear side delivery for this spring-loaded catch tray.

Piles predetermined number of books and delivers them to the CV-101 roller conveyor.

7-Clamp Perfect Binder SB-07

SB-07 Major Specifications

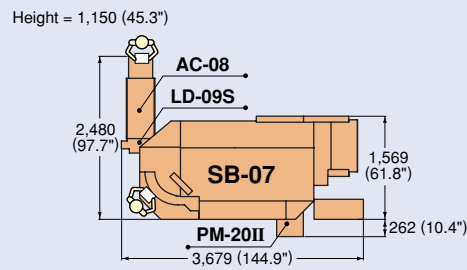
Number of Clamps	7
Book Size	Max. 400(W) x 320(H) mm (15.74" x 12.59") (B4 wide)
	Min. 135(W) x 105(H) mm (5.32" x 4.14") (A6)
Book Thickness	2 to 45 mm (0.08" to 1.77")
Cover Size (Top-Bottom x Fore-edge)	Max. 380 x 660 mm (14.96" x 25.98")
	Min. 135 x 220 mm (5.32" x 8.67")
Cover Weight Range	82 to 302 gsm Normal Paper
	105 to 348 gsm Coated Paper
Cover Pile Height	Max. 150 mm (5.90")
Warm up Time	70 min.
Tank Temperature	160 to 200 °C
Milling Blade Maximum Depth	5 mm (0.19") (Depends on the sheet weight)
Production Speed	Max. 3,200 books/hr.
Voltage / Frequency	3-Phase 200 V, 50 / 60 Hz
	3-Phase 220 V, 60 Hz 3-Phase 400 V, 50 Hz
Rated Current	3-Phase 200 V, 50 Hz, 16 A / 60 Hz, 18 A
	3-Phase 220 V, 60 Hz, 17 A (calculated value)
	3-Phase 400 V, 50 Hz, 9 A (calculated value)
Power Consumption	3-Phase 200 V, 50 Hz, 5.2 kW / 60 Hz, 6.2 kW
	3-Phase 220 V, 60 Hz, 6.2 kW (calculated value)
	3-Phase 400 V, 50 Hz, 5.2 kW (calculated value)
Heat Output	13,140 kJ (3,140 kcal)
Machine Dimensions	3,431(W) x 1,700(D) x 1,150(H) mm (135.1" x 67.0" x 45.3")
Machine Weight	2,400 kg (5,292 lbs.)

SB-07 Standard Equipment

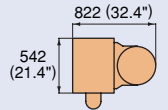
Selection 1	Chute Delivery Conveyor	LD-09S
	Angle Conveyor	AC-08
Selection 2	Chute Delivery Conveyor	LD-07
	Angle Conveyor	AC-08
Selection 3	In-line Delivery Conveyor	LD-09L
	Delivery Stacker	SCH-15
	Delivery Roller Conveyor	CV-101
Smoke Extractor		VS-09
Milling Blower Unit (Single)		DB-07 / DB-07H

Machine Dimensions Unit : mm (inch)

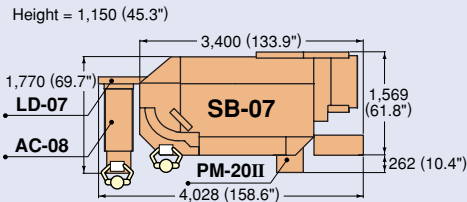
SB-07+LD-09S+AC-08 (Selection 1)



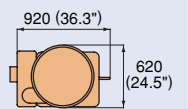
DB-07



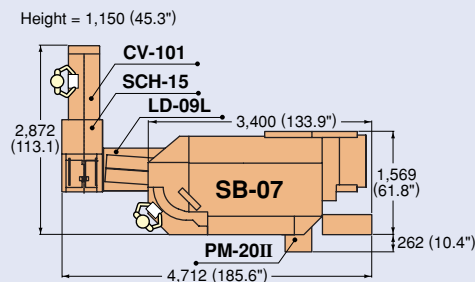
SB-07+LD-07+AC-08 (Selection 2)



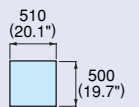
DB-07H



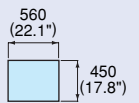
SB-07+LD-09L+SCH-15+CV-101 (Selection 3)



Transformer for 220-240 V



Transformer for 400 V



SB-07 Options

Pre-Melt Tank (PM-20II) 7



Adhesive is pre-melted and fed into the glue tank as needed.

Book Size Input Calliper (SI-15) 8



Measures the dimensions of the actual book block to be bound and sends those values to the binder.

Side Glue Level Sensor (SGD-07) 5

Informs when glue needs replenishment via audible signal and the touchscreen.



Manufactured by : Taiyo Seiki Co., Ltd.

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

Distributed by



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