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BOOK BLOCK MAKING SYSTEM BBS-56

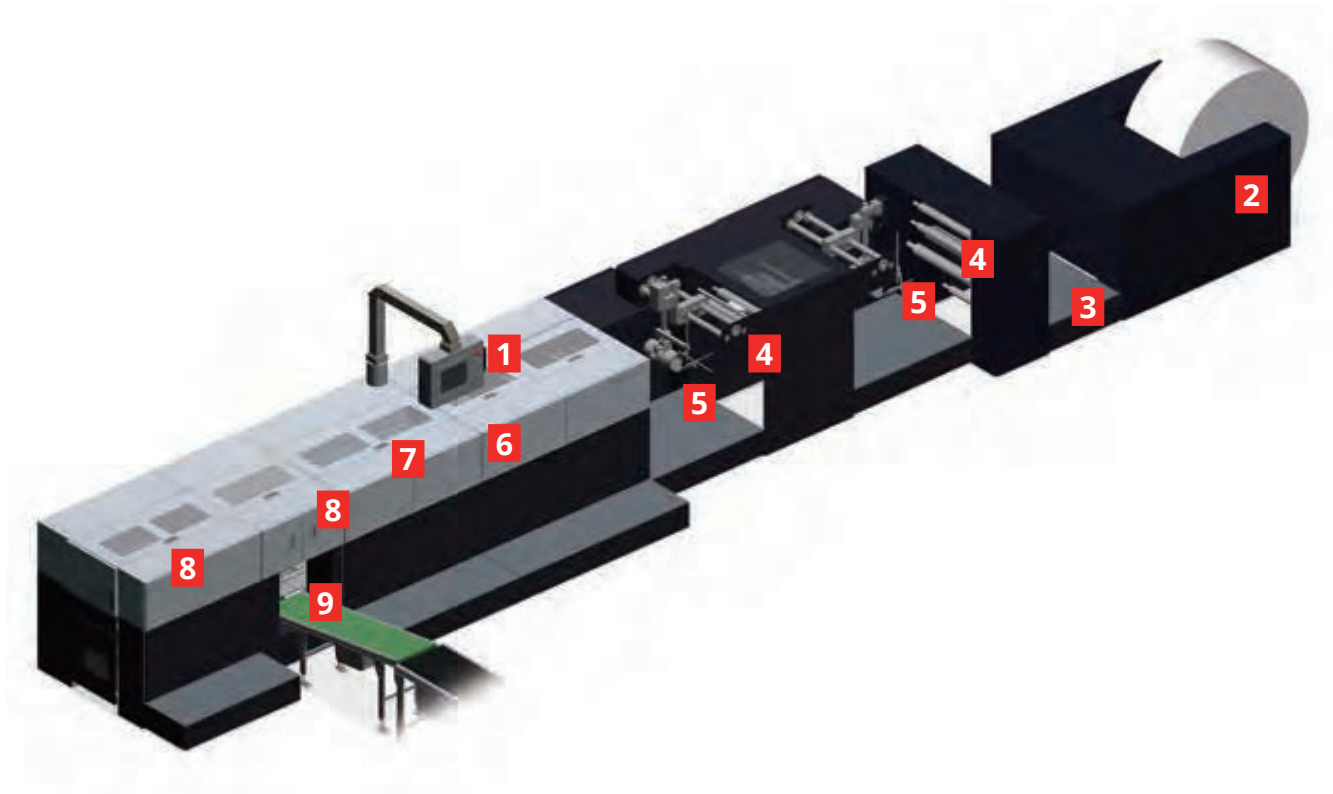
BOOK BLOCK MAKING SYSTEM

BBS-56

Stable Plow Fold
Book Block Production



EFFICIENT PLOW-FOLD BOOK BLOCK MAKING SYSTEM FOR SHORT TO MEDIUM RUN PRODUCTION.



BENEFITS

COMPACT YET ROBUST

The BBS-56 features a footprint that is smaller than conventional plow folds for operational convenience without sacrificing production power.

AUTOMATIC SPEED OPTIMIZATION

Once the production speed is input into the control panel, the BBS-56 will automatically adjust the unwinding speed during production to match that speed to increase productivity even when processing variable page count book blocks. This is accomplished by scanning barcodes with sheet count information that is printed on each sheet.

CHANGEOVER EFFICIENCY

Memory function and automated adjustments make the BBS-56 well suited for short to medium runs by achieving fast changeovers, even when changing the perforation and plow fold sections.

PERFECT MATCH

The BBS-56 is well suited for inline integration with our BQ-500 perfect binder with its similar production speed and ability to efficiently produce short to medium run jobs.

SECTION DETAILS.

1 CONTROL PANEL

The BBS-56 is equipped with a large control panel and intuitive user interface. Repeat jobs can be saved / loaded with the memory function.



2 UNWINDING SECTION

Web set on the feed shaft is unwound while maintaining consistent tension with automated shaft brakes.



3 DE-CURL SECTION

Automated de-curling function adjusts the force of the de-curl depending on the web diameter.



4 PERFORATING SECTION

Unwound web gets perforated, parallel to the direction of web flow, before plow folding for high quality folding. Perforation position changes automatically when format size changeovers or setups are performed.



5 PLOW FOLD SECTION

Web transported into the double plow fold section are folded along perforated lines up to 2 folds.

■ Fold Patterns



4-page



6-page



8-page



6 CUTTING SECTION

Folded web is cut based on input size with cut mark utilization for enhanced accuracy.



7 GLUING SECTION

Glue is applied to each signature with the glue amount adjustable depending on stock type.



8 STACKING SECTION

Glue-applied signatures are accumulated into book blocks with two star-wheel stackers and then jogged before delivery.



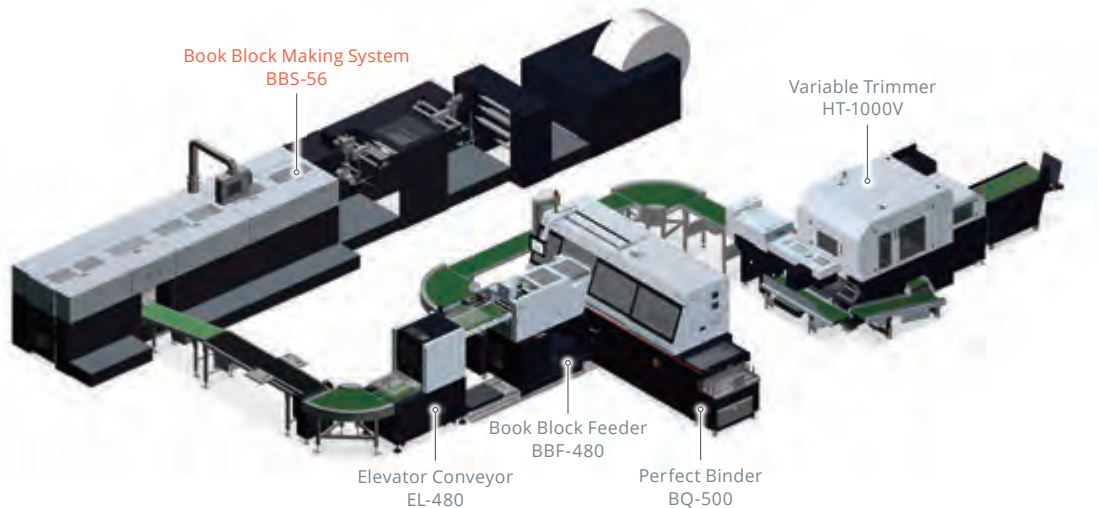
9 DELIVERY SECTION

Glued book blocks are continuously delivered from two different stacking sections for continuous production at a constant speed to achieve stable finishing.



SMART BINDING SYSTEM CONFIGURATION

BBS-56 can be integrated in a Smart Binding System with a BQ-500 perfect binder and HT-1000V three-knife trimmer to accomplish inline roll to book production. Both the BQ-500 and HT-1000V sections are equipped with thickness calipers and barcode readers for variable thickness and format book production. It achieves up to 800 books per hour to excel at ultra-short and medium-run jobs.



SPECIFICATIONS.

BBS-56	
Roll Size	Roll Paper Width : Max. 584.2 mm or 23.00" Min. 218.0 mm or 8.60" Roll Outer Diameter : Max. 1,270 mm or 50" Min. 150 mm or 5.91" Roll Weight : Max. 750 kg or 1,652.0 lb
Core Shaft	Required Options φ70: 70 ± 0.5 mm φ3": 76.2 ± 0.5 mm φ6": 152.4 ± 0.5 mm
Sheet Weight Range	Normal Paper: 60 to 157 gsm Coated Paper: 60 to 157 gsm
Book Block Size	Width: 109.0 to 292.1 mm or 4.30" to 11.50" Length: 152.4 to 320.0 mm or 6.00" to 12.59"
Stack Height	Max. 80 mm or 3.14" *1
Production Cycle	Max. 800 stacks per hour
Processing Speed	Min. 30 meter per minute *2 Max. 160 meter per minute *2
Voltage / Frequency	1 power supply 3-phase 200/208 V +/-10%, 50 or 60 Hz
Air Source	Primary Air Pressure : 0.7 to 0.8 MPa Required Discharge : 145 Liters per minute

Rated Current	3-phase 200/208 V +/-10%, 50 or 60 Hz, 28 A (The primary breaker of the electrical box has a capacity of 40 A.) Prepare the power cable locally.
Machine Dimensions	W11,330 x D3,940x H2,386 mm or W446.07" x D155.12" x H93.94"
Dimensions of the building entrance for bringing in the machine	W2,500 x H2,000 mm or W98.43" x H78.75"

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

*Specifications may vary depending on the job, paper quality, environmental influences, and various other factors. Please do a test run before starting production.

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This value indicates the height of the stacker, not the book block thickness. The stack height varies depending on the signature pattern, sheet type, and the ambient temperature and humidity conditions.

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This value indicates the belt transport speed, not the production speed.

Productivity is determined by the delivery cycle and varies depending on the signature pattern, sheet type, ambient temperature, humidity, and glue condition. Check the conditions before setting the processing speed.

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Takashima City, Shiga, 520-1501, JAPAN
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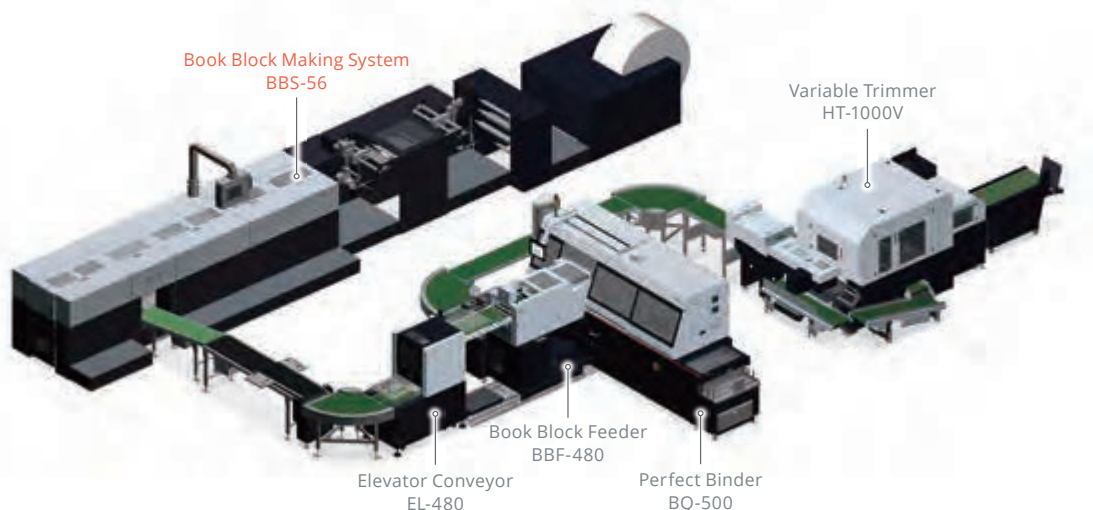
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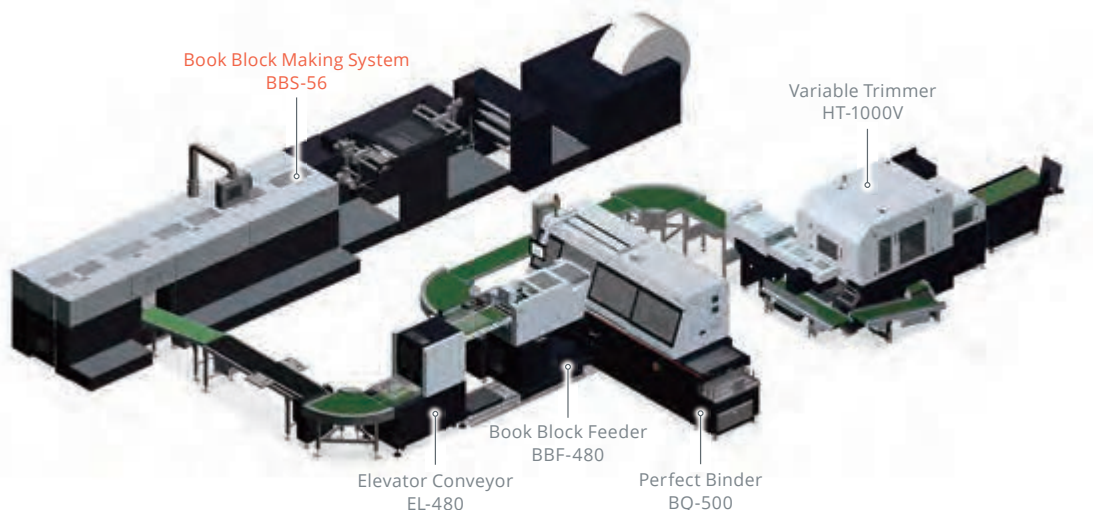
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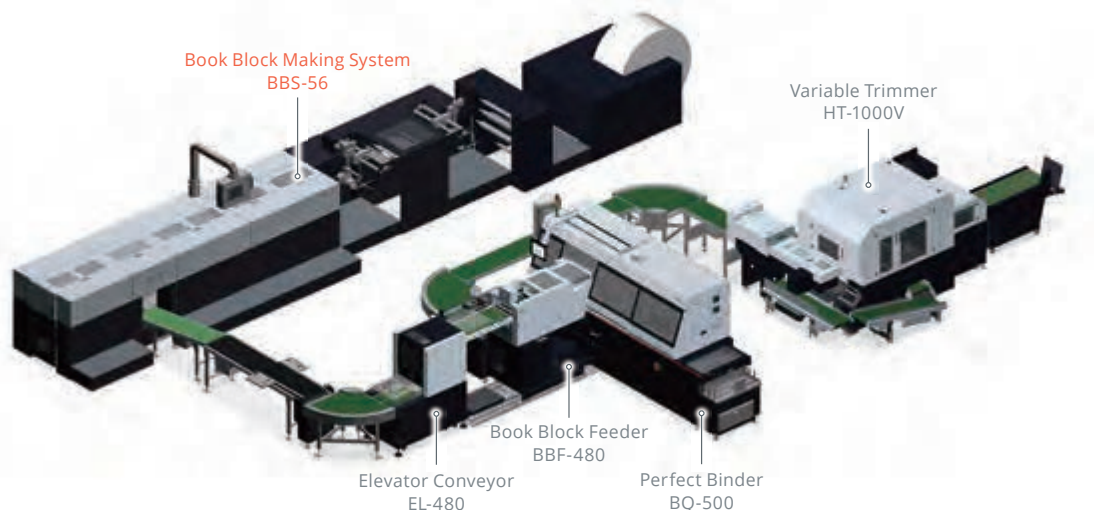
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