

KB-4000 PUR PERFECT BINDER

SPECIFICATIONS

Book Size	4.75" x 4.75" - 16.5" x 14.7"
Spine Thickness	0.078" - 1.96"
Cover Size	4.74" x 9.45" - 16.2" x 30.7"
Cover Weight	Up to 400 gsm (pre-creased)
Processing Cycle	Up to 200 cycles/hour (effective output varies upon user and material)
Glue Pre-Heat Time	Approximately 30 minutes
Binding System	PUR glue (spine); Hotmelt glue (side)
Glue Application System	1 nozzle (closed, volumetric system); 2 active Hotmelt side glue discs
Features	Automatic pre-clamp unit; touchscreen display; batch counter; total counter; dust exhauster; programmable nipping time; standby; milling, notching, and micro-notching; book and spare-cover shelf
Compressed Air Supply	Compressor or central air supply (120 l/min., 120 psi)*
Options	Air compressor
Power Supply	220V 60Hz single phase, 30A
Dimensions (LxWxH)	80" x 39" x 52"
Weight	838 lbs.

* Compressed air must be oil and water-free.

Production rates are based upon optimal conditions and may vary depending on stock and environmental conditions.
As part of our continuous product improvement program, specifications and descriptions are subject to change without notice.

KB-4000 PUR

PERFECT BINDER

Accurate and Secure PUR Binding On Demand



Duplo USA Corporation

3050 S. Daimler Street, Santa Ana, CA 92705 (949) 752-8222 (800) 255-1933 (949) 851-3054 fax www.duplousa.com

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Automated, productive, efficient solution for on demand, high quality book making!

The KB-4000 PUR Perfect Binder raises the benchmark in perfect binding through its high productivity and cost efficiency. The compact PUR binder is the perfect solution for on-demand, high quality book making.

CLOSED SYSTEM WITH DRY AIR INJECTION

The combination of an airtight PUR tank and dry air injection offer considerable advantages compared with open tank systems. There is no need for periodic replenishment of the glue, complex cleaning, nor protection of the glue tank. When dry air is pumped into the unit, the life of the glue is prolonged, providing significant savings on time and money.

The self-closing PUR nozzle prevents any reaction until the glue is applied to the spine of the book. Many hours of labor can be saved each week thanks to the automated cleaning feature. This usually takes less than 10 minutes to complete, making the machine very easy to maintain.

INTEGRATED TOUCHSCREEN CONTROLS

Place the book block into the clamp and start producing books. Operation starts when pressing both Start buttons at the same time. The integrated controls ensure high precision at any time avoiding any kind of spoilage, from the first book to the last.

PUR AND EVA

The KB-4000 PUR works with a unique closed PUR application system. The volumetric slot nozzle ensures that PUR glue is accurately applied on the spine every time. Easy and safe replenishment of PUR glue can be done in pellet or block form. For even better adhesion and faster processing of books, the KB-4000 PUR provides active EVA hotmelt side gluing.

> PUR MELT BENEFITS

- Strong adhesive bind
- Provides an extremely strong bind on all coated and digitally printed papers
- Temperature resistant
- Very good resistance to aging
- Perfect long-term use properties

> EVA HOTMELT SIDE GLUE BENEFITS

- Easy to use
- Very short setting time
- Provides fast finishing

KB-4000 PUR FEATURES

- Processes up to 200 cycles/hour
- PUR melt for strong adhesive binding
- Heavy-duty milling and notching for accurate and flat spines
- Touchscreen display
- EVA hotmelt side glue for fast finishing
- Minimal emissions increase productivity and reduces waste and down time

TOUCHSCREEN DISPLAY

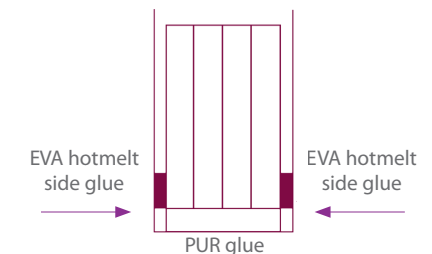
One of the KB-4000 PUR key attributes is its easy-to-use touchscreen. This includes the complete set-up of the machine, including all functional parameters. Even nipping time and nipping pressure can be adjusted.

HEAVY-DUTY MILLING AND NOTCHING

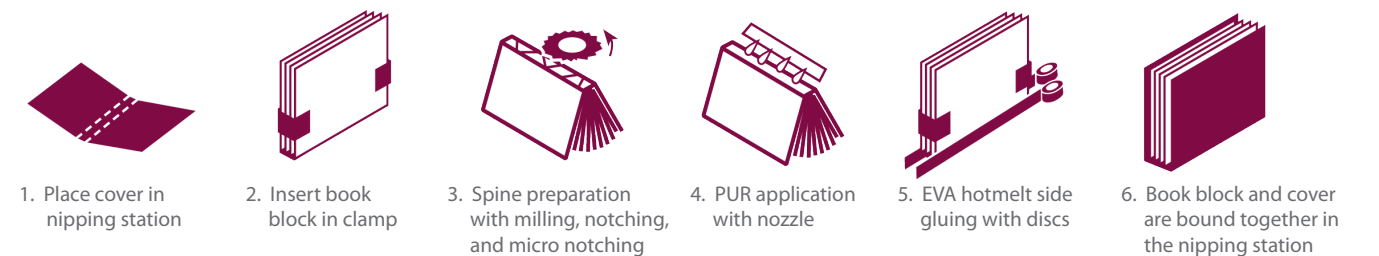
The heavy-duty milling and notching tool ensures that an accurate and flat spine preparation is provided prior to gluing.

HIGH PRODUCTIVITY

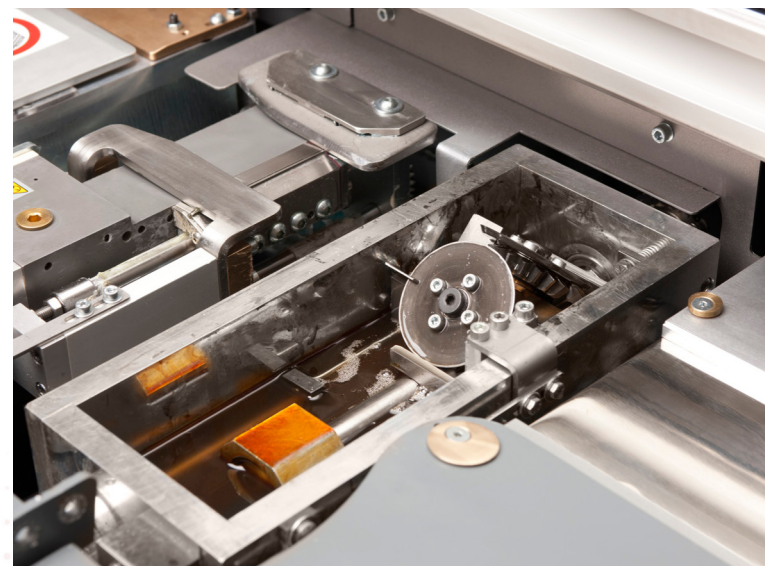
The closed PUR application system offers various advantages compared to open systems, especially with regards to cost and productivity as waste and down times are minimal. Furthermore the closed PUR System does not need any air extraction, due to its minimal emissions.



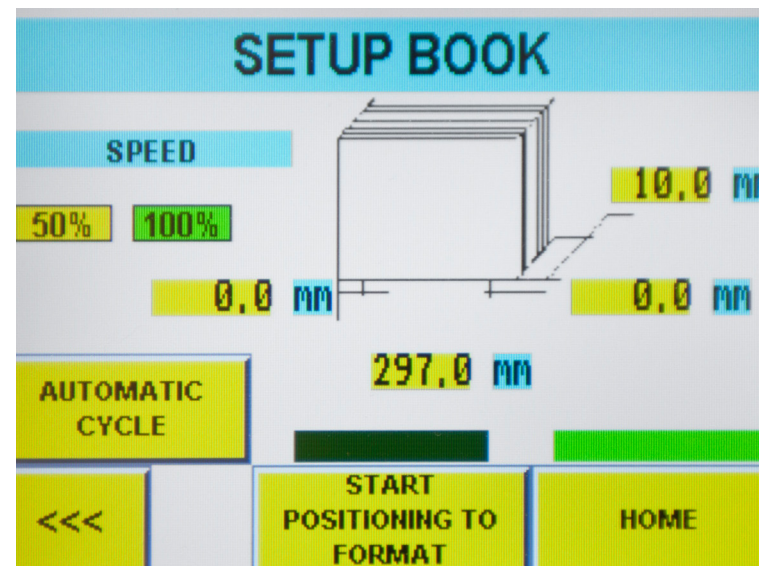
KB-4000 PUR FEATURES



PUR nozzle



EVA side gluing tank



Touchscreen display



Built-in PUR tank and meter