

Specifications

FKS PrintBind KB-4000 PUR

Book size:	120 x 120 mm (min.) 420 x 360 mm (max.)
Spine thickness:	2 mm (min.) 50 mm (max.)
Cover size:	120 x 240 mm (min.) 425 x 780 mm (max.)
Max. Cover weight:	400 g/m ² (pre-creased)
Max. Books per hour:	200 cycles/hour (Effective Output depending on user and material)
Glue pre-heating time:	Approximately 30 minutes
Binding system:	PUR Glue (spine gluing) Hotmelt (side gluing)
Glue application system:	1 Nozzle (Closed, volumetric System) 2 Active Hotmelt Side Gluing Discs

Features:	Automatic Pre-clamp Unit Touchscreen Display Batch Counter Total Counter Dust Exhauster Standby Milling, Notching and Micro-Milling Book and Spare-Cover Shelf 60 Job Memories
Fine adjustments	Precise glue cut offs Nipping station time Amount of PUR glue applied on the spine Clamp position Position of book block in the cover
Compressed air supply:	Compressor or central air supply (120 l/Min., 8 bar)*
Options:	Compressor
Power supply:	400 V, 50 Hz, 16 A, 4,6 kW (max.)
Dimensions (L x W x H):	2.010 x 975 x 1.300 mm
Weight:	380 kg

* Compressed air must be oil and water free.
Failure to observe this can cause a damage to the machine.

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from print to documents

KB-4000 PUR

2 IN 1 INSTANT PERFECT BINDER

Integration of PUR and EVA Hotmelt
Small Footprint
Self Sealing Slot Nozzle
4kg Closed Tank Volumetric System
Milling, Micro-milling and Notching

Photo Books, Year Books, Telephone Directories, Instruction Manuals,
Catalogues, Paper Back Books, Post Cards



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



Ref: KB-4000PUR-04/13

The KB-4000 PUR is the only small PUR binder in the world with the features of the big ones. The KB-4000 PUR raises the benchmark in perfect binding through its high productivity and cost efficiency. The compact PUR binder is a perfect solution for on-demand, high quality book making, especially designed to cater to mid to low volume digital printers, copy shops and in-plants. It is an ideal solution for the photo book and year book market.



Ease of operation
The KB-4000 PUR is equipped with an easy to use touch screen control panel. This includes; fully automatic set-up, semi-automatic cleaning and fine adjustments such as nipping station time, glue cut off and amount of PUR glue applied on the spine.



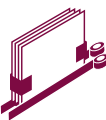
Spine preparation tool
The heavy duty milling, micro-milling and notching tool ensures that the book block has a flat and accurate spine before applying the glue on it.



Closed tank volumetric system
A 4kg closed tank system along with dry air injection capabilities helps the KB-4000 PUR to preserve PUR glue up to two weeks. The closed tank system can be used for PUR as well as Hotmelt glue applications and it accepts PUR in small granular and cartridge format. This system provides significant savings on time and money.



Self-sealing slot nozzle
The KB-4000 PUR applies a precise level of PUR glue on the spine of a book block and the amount of glue applied on the spine can be adjusted through a touch screen control panel. The operator can also adjust glue cut off parameters directly on the KB-4000 PUR.



EVA Hotmelt
The KB-4000 PUR is equipped with two active glue applicator discs which apply a precise layer of Hotmelt glue on both sides of a book block. Hotmelt glue dries quickly and ensures that the book can be handled immediately.



Cleaning
Thanks to a self-sealing slot nozzle the cleaning process of the KB-4000 PUR takes less than 5 minutes.

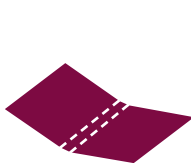


Applications
The KB-4000 PUR can finish an extensive range of applications printed on digital or offset print engines. It can handle up to 400gsm pre-creased covers and inners up to 350gsm. The inners can be plastic, carton, cardboard, foil, UV coated sheets to mention few.

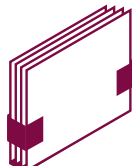


Integration of PUR and EVA
The KB-4000 PUR has a unique advantage of having two technologies in one. It is an ideal solution for “on-demand binding”. PUR provides stronger and flatter books with a 40-60% better pull test result. EVA Hotmelt side gluing dries quickly and holds a book block and cover together, allowing it to be handled and finished immediately. Saving up to 24-30 hours in the production process.

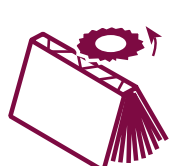
Workflow of the KB-4000 PUR



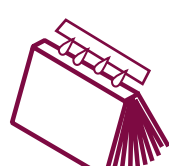
1. Place cover in nipping station



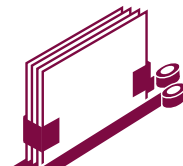
2. Insert book block in clamp



3. Spine preparation with milling, micro-milling and notching



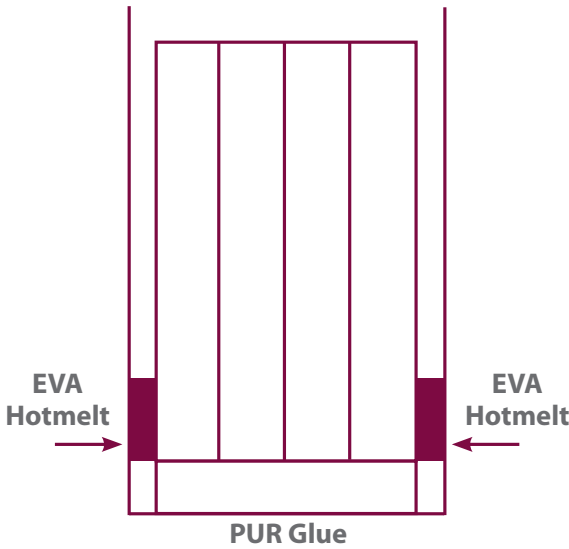
4. PUR application with nozzle



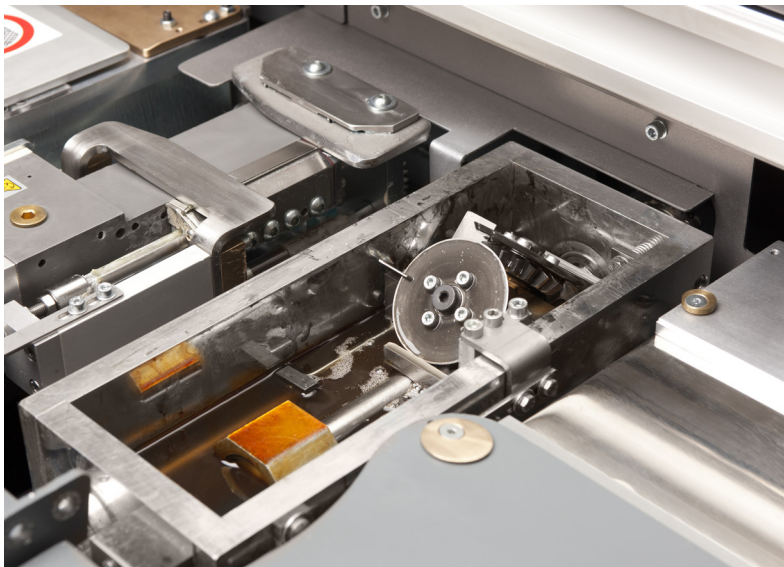
5. EVA hotmelt side gluing with discs



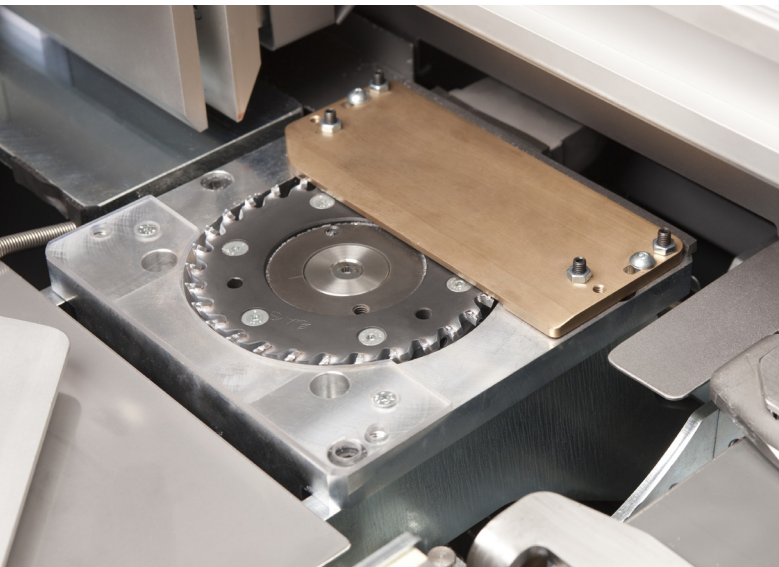
6. Book block and cover are bound together in the nipping station



PUR nozzle



EVA side gluing tank



Milling, micro-milling and notching tool



Built-in PUR tank and melter