

# PFi BIND 6000 SERIES

TWO UNIQUE PUR SYSTEMS

**Up to 600 cycles**  
**In-line scoring**  
**Closed tank**  
**Self-sealing nozzle**  
**Heavy duty build**

*Photo Albums, Year books, Magazines, Directories, Instruction Manuals,  
Catalogues, Telephone Directories, Paperbacks*



The PFi BIND 6000 Series features the PFi BIND 6000 DUO and the PFi BIND 6000 PUR. Both systems are unique and equipped with in-line scoring and cover feeding. The PFi BIND 6000 DUO enables the operator to select between PUR or EVA for side gluing whereas the PFi BIND 6000 PUR uses PUR only. The PFi BIND 6000 Series are the perfect solution for a printer with litho and digital presses and wants to do low to high volume production runs.



### Innovative Design

When you look at the new 6000 series, you will notice it's robust and heavy duty build. Its elegant design is highlighted with stainless steel detailing and ultra-cool blue LED lights.



### Touch Screen PC controller

The 6000 series is extremely easy to use even for un-skilled operators. The touch screen controller allows the operator to customise settings according to the results that they want to achieve. The systems flexibility allows the operator to make many fine adjustments including the height of spine preparation tool, glue cut off and book block position in the cover.



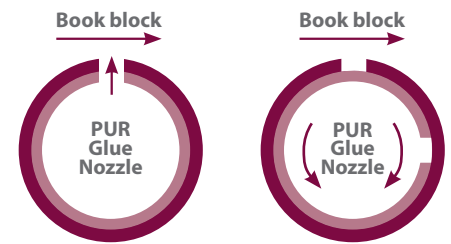
### Automated

The 6000 series are fully automatic binders. Both systems are equipped with auto book thickness measurement, which is then communicated to the nozzle and the cover feeder. The scoring position and side gluing dimensions are automatically set enabling the job changeover to be completely automatic. For further efficiency, auto-mode can be selected by the operator who then only needs to load the book block in the clamp and the system will do the rest.

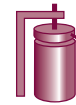


### Self-Sealing PUR Nozzle

The orbital PUR nozzle is a patented technology, which not only applies glue precisely and accurately but is also very easy to clean and maintain. The PUR nozzle consists of two circular orbits with a slot on each.

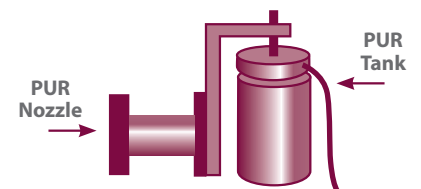


When the sensor near the nozzle detects the book block, the slot on both orbits align and the PUR glue is precisely and accurately applied. When the book block moves away, the slot on the inner orbit moves and seals the PUR glue.

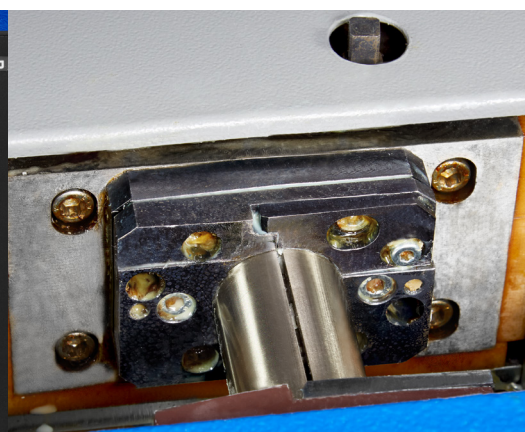


### Closed Tank

The closed tank on the 6000 series has a capacity of 3kg and can handle PUR in granular or candle form. The PUR from the closed tank is transferred to the nozzle with the help of volumetric gear pump mechanism which precisely and constantly circulates the PUR, reducing the potential deterioration of the glue. The system is designed in such a way that the closed tank is less than 400mm from the nozzle. This closeness is a major factor to consider, the shorter the distance, the better the control and consistency for the application of the glue.



Touch Screen Control Panel



PUR Nozzle for Spine and Sides



Spine Preparation



### Side Gluing

The PUR nozzle of the 6000 series has slot applicators for PUR side gluing. It applies an even and consistent layer of PUR glue on to the sides of the book block. The PFi BIND 6000 DUO is equipped with an additional EVA tank with two active glue applicator discs. This enables the operator to easily select between EVA or PUR..



### Productivity

The speed of the 6000 series is 600 cycles per hour. With features like automated set-up, in-line scoring and cover feeding, integrated long conveyor stacker and a five minute cleaning time. It is the most productive binder in its category!



### Spine Preparation Tool

This consists of heavy duty milling and notching knives. The height of the tool can be adjusted by the operator from 0mm to 3mm. The 6000 series can bind folded sections, single sheets, thread sown sections, and burst sections without the use of any tools.



### Media types

The 6000 series can handle a wide variety of media types such as plastic, foil, thick carton, cardboard, sticky substrate, UV coated or laminated stock.



### In-line Cover Feeder

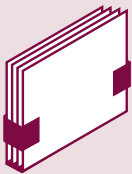
The cover feeder on the 6000 series is equipped with four scoring tools that are automatically and accurately positioned. The air management system on the cover feeder ensures that each cover is accurately fed without marking. The cover is then automatically presented on the nipping station with the help of suction and air separation.



### Stacker

The 6000 series is equipped with built in long conveyor and stacker. It is ergonomically located and ensures that unmarked books are perfectly presented for collection.

## Workflow for PFi BIND 6000 Duo



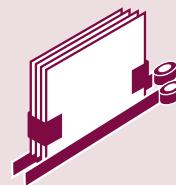
1. Insert book block in clamp



2. Spine preparation Tool



3. PUR application on the spine and the sides by nozzle



4. Optional EVA on DUO



5. Scored cover is placed on the nipping station



6. Book block and cover are bound together



EVA/Hotmelt Side Gluing



Cover Feeding



Stacker



# Specifications

## PFi BIND 6000 Series

	PFi BIND 6000 DUO	PFi BIND 6000 PUR
<b>Book size (Spine x Fore-edge):</b>	90mm x 100mm (minimum) 420mm x 460mm (maximum)	90mm x 100mm (minimum) 420mm x 460mm (maximum)
<b>Thickness of the document (without scoring):</b>	1mm to 50mm	1mm to 50mm
<b>Thickness of the document (with scoring):</b>	4mm to 50mm	4mm to 50mm
<b>Control panel:</b>	Touch screen	Touch screen
<b>Spine preparation tool:</b>	Milling and Notching	Milling and Notching
<b>Height of the spine preparation tool:</b>	0mm to 3mm	0mm to 3mm
<b>In-line cover feeder and scoring:</b>	Yes	Yes
<b>Length of the cover:</b>	140mm to 420mm	140mm to 420mm
<b>Width of the cover :</b>	260mm to 780mm	260mm to 780mm
<b>Thickness of the cover sheet:</b>	80gsm to 350gsm	80gsm to 350gsm
<b>Stacking capacity on the cover feeder:</b>	100mm	100mm
<b>Side guides on cover feeder:</b>	Fully automatic	Motorised, positioned by four buttons
<b>Cycling speed:</b>	600 per hour	600 per hour
<b>PUR mechanism:</b>	Volumetric gear pump	Volumetric gear pump
<b>PUR melter capacity:</b>	3kg, closed tank	3kg, closed tank
<b>Glue application on the spine:</b>	PUR	PUR
<b>Glue application on the sides:</b>	EVA and PUR	PUR
<b>Optional:</b>	Ultrasonic double feed detection	Ultrasonic double feed detection
<b>Noise level:</b>	82dB	82dB
<b>Dimensions of the machine (LxWxH):</b>	3000mm x 2260mm x 1350mm	3000mm x 2260mm x 1350mm
<b>Net weight:</b>	850kg	850kg
<b>Power supply:</b>	400 V, 50Hz, 20A, 7.5kW	400 V, 50Hz, 20A, 7.5kW



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Ref: PFi BIND6000 Series-07/15