

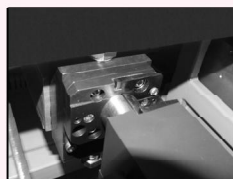
PERFECT BINDER 420 PUR



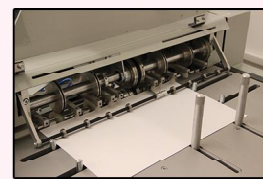
Colour
Touch-Screen



Closed PUR
System



Scoring
Unit



The Perfect Binder 420 PUR-Melt semi automatic bookbinding machine is the only fully automatic setup single clamp PUR binding machine in the world. This machine is setup very simply by placing a "book block" into the clamp and retracting your hands from the clamping area. Safety for this machine is performed by a set of optical light barriers. This machine will set itself up to each book that is placed into the clamping area each cycle. The Perfect Binder 420 is a member of the LAMIBIND family of products; and has all the necessary functions and more that are required by a medium to large size printing business. One of the great advantages to this machine is a vibrating plate under the book clamp that allows the pages in each book block to settle correctly before clamping. It is also equipped with a unique "high pressure" closed PUR application system, which has made Rigo binders the envy of all other digital PUR binding manufacturers. Both the spine and side-glue application is PUR. Moreover it is also a hybrid machine as both EVA and PUR glues can be used in this machine separately. It is the perfect machine for fast turn around, individual book publishing and higher volume PUR binding. The 2kg candle provides good production flow, high efficiency and less waste! For PUR application, spine preparation is the most important factor. Therefore the machine is equipped with special slitting knives mounted on a precision milling disk, which provides the optimum preparation for the bonding surface. All aspects of the binding process can be adjusted via the colour touch-screen including clamp opening width, glue length regulation, binding time, spine binding pressure (dependant on cover thickness), creasing width and the milling disk height; which consequently can be adjusted up to 3mm (0,08") enabling folded sections to be milled from the spine of the document. With labour saving equipment like a pneumatic cover feeding system it also has integrated creasing for the spine and hinges. Creasing for the spine width is automatically set ensuring that each book is perfectly bound.

RIGO

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PERFECT BINDER 420 PUR

| Specifications | PERFECT BINDER 420 PUR |
|---|---|
| Dimensions of the machine (l x w x h mm) | 3010x1400x1670 |
| (l x w x h inch) | 118"x55"x65,7" |
| Package of the machine (l x w x h mm) | 3210x1600x1700 |
| (l x w x h inch) | 126"x62"x66" |
| Net weight (kg) | 1000 |
| Gross weight (kg) | 1100 |
| Power supply (elective) | 3~400 V-50 Hz / 1~230 V-50 Hz / 200-220 V-60 Hz |
| Nominal current (A) | 20 / 40 / 45 |
| Capacity (kW) | 7,5 |
| Compressed air supply (bar) | 6 |
| Length of the bound document (mm/inch) | 80-420 |
| Thickness of the bound document (mm/inch) | 1-50 (3-50 with scoring) |
| Maximum thickness of the cover sheet (g) | 350g (coated paper) |
| Theoretical number of working cycles (fwd-bwd/hour) | 500* |
| * The above value is theoretical number of the working cycles. The real speed and quantity of books can be bound on the machine depends on the strenght features of the flue used on the machine, the necessary binding/nipping time, the thickness of the document to be bound, depends on the skill and quickness of the machine operator, and the selected binding technology. | |
| Milling unit | |
| Spine preparation | Milling & Notching |
| Adjustment of the milling height (mm), possibility to tilt | Electrically 0-3 |
| Gluing unit | |
| Heat-up time; depending of the type of glue is used on the machine (minute) | 20-25 / 35-40 |
| Temperature range of the melting of the glue (C/F) | 100-200 |
| Volume of the closed PUR glue container | 3 kg |
| Adjustment of the PUR glue volume | PUR pump |
| Adjustment of the height of the PUR nozzle | Yes |
| PUR heating zones | 4 |
| Binding unit | |
| Possibility to adjust the position of the book block over the binding unit | Yes |
| Adjustable binding strength from the bottom | Yes |
| Adjustable binding strength from the side | Yes |
| Cover sensor | Yes |
| Scoring unit | |
| Adjustable scoring depth | Yes |
| Cover feeding | Automatic |
| Other Functions | |
| Stacker unit | Yes |
| User Interface | Colour Touch Screen |
| Operating software | RIGO |
| Software update | Yes |
| Online remote control | Yes |
| Options | |
| Seperate, lowerable EVA side gluing unit | Option |
| Glue level indication for PUR | Option |
| Double sheet detector | Option |
| Additional scoring wheels for "wing" type covers | Option |
| Barcode reader | Option |
| Cover sheet skew control width side guides over the cover holder table | Option |
| Glue fume extractor unit | Option |

