

PERFECT BINDER 420 HM



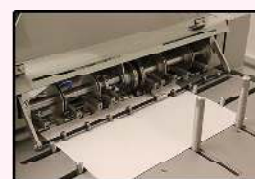
Colour
Touch-Screen



Precise
Gluing
System



Scroing
Unit



The Perfect Binder 420 Hot-Melt semi automatic bookbinding machine is a fully automatic setup single clamp binding machine. 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 the perfect machine for fast turn around, individual book publishing and higher volume binding. 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. The Perfect Binder 420 has a very user friendly touch-screen interface which helps every operator to feel at ease while helping them to make professional quality books every time. Reliable components are the backbone of every great machine; therefore we have implemented the most stable electronics and electrical components available to us. The Perfect Binder 420 can also be supplied with a vapor and paper chip extraction unit and a motorized reception conveyor.

RIGO

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Specifications	PERFECT BINDER 420 HM
Dimensions of the machine (l x w x h mm)	3010x1010x1670
(l x w x h inch)	118"x39"x65"
Package of the machine (l x w x h mm)	3210x1210x1750
(l x w x h inch)	126"x47"x68"
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)	
* 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, deoends on the skill and quickness of the machine operator, and the selected binding technology.	500*
Binding cycle counter	Yes
Working of the carriage clamp	
*The clamp measures automatically the book thickness, the machine adjusts the width of side gluing and scoring automatically to it. In manual working mode the machine measures all book loaded into the clamp, while in automatic working mode this measuring can be deactivated. The speed of the carriage varies automatically depending on the book thickness.	Automatic
Milling unit	
Spine preperation	Milling & Notching
Adjustment of the milling height (mm)	Electrically 0-3
Possibility to switch off the milling unit	Yes
Gluing unit	
Heat-up time; depending of the type of glue is used on the machine (minute)	60
Temperature range of the melting of the glue (C/F)	100-200
Volume of the glue container	3 kg
Adjustable length regulation of the glue application (Glue cut off)	Yes
Seperate, lowerable EVA side gluing unit	Yes
Standby mode	Yes
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
Adjustable vacuum and air blow	Yes
Cover feeding	Automatic
Other Functions	
Paper dust extraction	Yes
Stacker unit	Yes
User Interface	Colour Touch Screen
Operating software	RIGO
Software update	Yes
Online remote control	Yes
Options	
Double sheet detector	Option
Additional scoring wheels for "wing" type covers	Option
Barcode reader	Option
Glue fume extractor unit	Option

