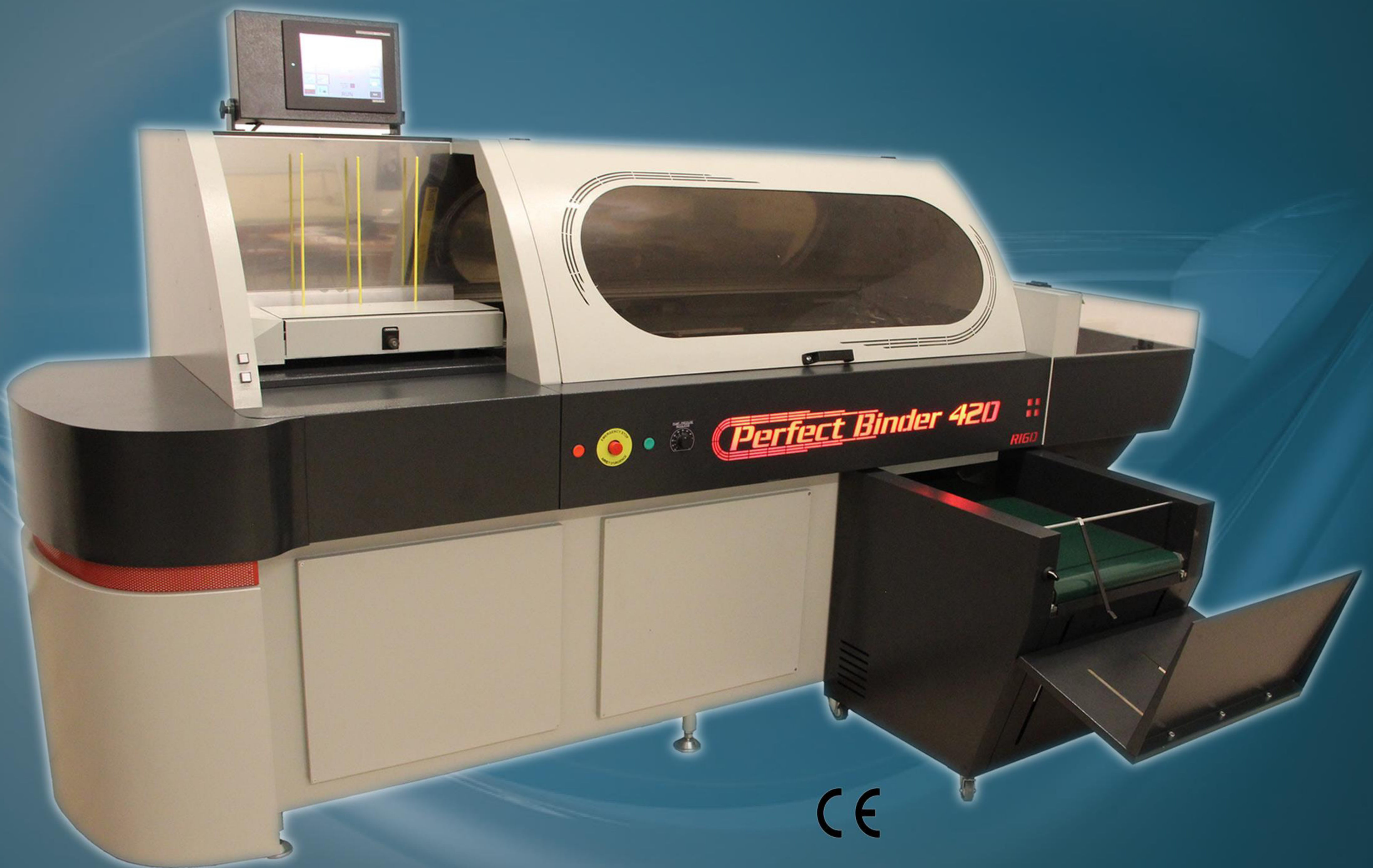


# PERFECT BINDER 420 HM



Colour  
Touch-Screen



Precise  
Gluing  
System



Scroing  
Unit



Der automatische Klebebinder für professionelle Bindeergebnisse und großen Auflagenhöhen. Die Bedienung dieser Maschine ist äußerst einfach. Nach Einlegen des Buchblocks erkennt die Blockstation die Stärke des Buches und stellt alle anderen Parameter am Leimwerk und der Umschlagszuführung automatisch ein. Eine Lichtschranke sorgt für hohe Sicherheit des Bedieners. Die Maschine ist komplett ausgerüstet. Ausstattungsmerkmale sind: Rüttelfunktion der Blockpreß-Station, Geschwindigkeit der Blockpreß-Station, Einstellmöglichkeit der Frästiefe, Länge des Leimauftrags, Bindezeit und variabler Umschlagsanpreßdruck. All diese Einstellungen erfolgen über ein bedienerfreundliches großes Touch-Screen. Ferner hat die Maschine getrennte Leimwerke. Somit ist die Möglichkeit gegeben, optimalste Klebstoffe für Rücken- und Seitenbeimung einzusetzen. Die Seitenbeimung erfolgt über ein Scheibensystem. Die Umschlagzuführung ist selbstverständlich mit Rillfunktion ausgerüstet. Weiteres Zubehör ist ein automatisches Fließband und ein leistungsstarkes Absaugsystem für Papierstaub und Klebstoffdämpfe.

Taktgeschwindigkeit: bis zu ca. 500/Std.

Maximale Blockstärke: 50 mm

Maximale Blocklänge: 420 mm



# PERFECT BINDER 420 HM

| Specifications  |              | PERFECT BINDER 420 HM                   |
|---|--------------|---|
| Type of the machine   |              | PERFECT BINDER 420 HM                   |
| Dimensions of the machine   | (l×w×h mm)   | 2970×1120×1600                          |
|   | (l×w×h inch) | 116,93"×44"×62,99"                      |
| Dimensions of the packaging   | (l×w×h mm)   | 3170×1320×1650                          |
|   | (l×w×h inch) | 124,8"×51,97"×64,96"                    |
| Net weight (kg)   |              | 1040 / 2292                             |
| Gross weight (kg)   |              | 1300 / 2866                             |
| Power supply (elective)   |              | 400 V-50 Hz / 230 V-50 Hz / 208 V-60 Hz |
| Nominal current (A)   |              | 25 / 50                                 |
| Capacity (kW)   |              | 7,5                                     |
| Compressed air supply (bar)   |              | 6                                       |
| Length of the bound document (mm/inch)  |              | 120-420 / 4,7"-16,5"                    |
| Thickness of the bound document (mm/inch)   |              | 3-50 / 0,12"-2"                         |
| Maximum thickness of the cover sheet (mm/inch)  |              | Up to 2 / 0,08"                         |
| Theoretical number of working cycles (fwd-bwd/hour)   |              | 500*                                    |
| <i>*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 strength features of the glue 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.</i> |              |   |
| Adjustment of the binding time of the document  |              | 1 – 99 sec                              |
| Working cycle is automatic or manual  |              | Elective                                |
| Binding cycle counter   |              | YES                                     |
| Working of the carriage clamp   |              | Automatic                               |
| <i>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.</i>                |              |   |
| Electric position sensor  |              | YES                                     |
| Electric book sensor  |              | YES                                     |
| Binding speed depending on thickness of document automatically varies   |              | YES                                     |
| <b>Binding unit</b>   |              |   |
| Pneumatic binding unit (bar)  |              | 6 bar                                   |
| The position of the spine of the document adjustable in proportion to the binding plate (mm/inch)   |              | 0 – 5 / 0,2"                            |
| <b>Milling unit</b>   |              |   |
| Working of the milling unit (milling and slitting)  |              | Electric                                |
| Electrically adjustable milling height (mm)   |              | Between +1 and -3mm                     |
|   | (inch)       | Between +0,04" and -0,12"               |
| Possibility of production of block notes (without slitting and milling)   |              | YES                                     |
| Milling unit can be cancelled in case of binding sewn books   |              | YES                                     |
| <b>Gluing unit</b>  |              |   |
| Gluing System   |              | Hot-Melt                                |
| Content pre-melting tank (kg/lbs)   |              | 2 / 4,4                                 |
| Heat-up time (minute)   |              | 20 - 25                                 |
| Programmable pre-heating  |              | Option                                  |
| Temperature range of the melting of the glue (°C/°F)  |              | 140-200 / 284-392                       |
| Automatically self adjusting two side gluing to the book thickness  |              | YES                                     |
| Adjustable length regulation of the glue application (Glue cut off)   |              | YES                                     |
| Display of the glue temperature   |              | YES                                     |
|   |              | YES                                     |
| <b>Vacuuming system</b>   |              |   |
| Vacuuming of paper dust and glue vapours  |              | Automatic                               |
| Volume of paper dust container (litre/gallon)   |              | 50 / 13,2                               |
| <b>Cover sheet feeder unit</b>  |              |   |
| Distance between scoring wheels is adjustable depending on cover thickness  |              | Manual                                  |
| Adjustable scoring depth  |              | Manual                                  |
| Working of the cover sheet feeder unit is suction and electric  |              | Automatic                               |
| Scoring width is automatically adjusted to the thickness of the document  |              | YES                                     |
| Cover sheet storage capacity (mm/inch)  |              | Up to 140 / 5,5"                        |
| <b>Electric unit</b>  |              |   |
| Function keys   |              | PLC                                     |
| Display of errors   |              | Colour Touch screen                     |
|   |              | YES                                     |
| <b>Safety guard</b>   |              |   |
| Optical light curtain   |              | YES                                     |
| Emergency stop button   |              | YES                                     |
| Electronic sensors, switches  |              | YES                                     |
| <b>Accessories</b>  |              |   |
| User manual   |              | YES                                     |
| Motorised reception equipment (Bound document holding)  |              | YES                                     |