



GC-480 PRO/ GC-760 XL PRO casemakers

PRO casemakers are semi-automatic machines for bookbinding hard cover cases. They fill the niche between fully manual, low productivity, entry level devices and fully automated solutions. PRO models have an automated turning in module by metal plates and rubber roller pressing module. The machine does not require to use dedicated materials like self-adhesive covers which importantly reduces consumables costs.



GC-480 PRO



GC-760 XL PRO

The glue application unit is used to cover flat surfaces such as paper, artificial leather, PVC, textile with a thin layer of glue. The machine is able to use hot glue- organic adhesives of animal origin which eliminate the risk of cover waving due to the large amount of water in the glue. This kinds of glue also not require long pressing time of the finished covers and reduce the time needed to clean the machine to an absolute minimum. Our machine is touch screen controlled, has large diameter, full stainless steel durable rollers. In standard also is equipped with preheating bar to prevent water condensation on the sheet. Water addition can be done from the tank and is activated by pressing a button. All this makes the work as easy as possible and eliminates many potential problems occurring when operating similar devices.

Casemaking table allows you to work on a variety of materials with different properties. Contrary to many other solutions available on the market, the section of automatic cover turning in and pressing without complicated settings will handle cardboard in the full range of thicknesses indicated in the specification. Our solution does not require an air supply and works very smooth and quiet in comparison to other devices.

Gluing unit key features:

- can be used with cold glue or hot glue (recommended extra glue tank if using both, machines comes with one tank)
- 2 stainless steel, big diameters rollers (acid resistant) for better glue application
- Electric heater, metal tray with glue disposed into water tank heated by the heater.
- Rollers speed fluent adjustment from panel
- Preheating bar before metal rollers (prevents water collection on table) in standard

- Water tank with pump for adding water to glue tank by pressing button on panel
- In standard version made for application of glue for material from 80 gsm to 250 gsm (with optional rigid board module up to 5mm material thickness)
- Cleaning time after job about 5 minutes

Casemaker key features:

- Colour touch screen for settings and diagnostics
- Motorized rollers for edge turning in and pressing the case, does not require any compressor. Silent operation.
- Two modes- after turning in case returns to operator or can be dropped into back tray
- Possibility to do pressing only or turning in with pressing.
- Vacuum table (pump build in)
- Bottom LED cover central backlight
- Board guides operated by manual handle
- Mechanical foot pedal for board stoppers
- Set of magnets for cover positioning
- Shelf for boards and covers

OPERATION MODE

- The operator manually feeds the cover to the gluing machine where the glue is automatically applied
- The cover sheet smeared with glue is placed by operator it on the table, then manually adds sheets of cardboard and a spine.
- The operator pushes the pre-prepared cover manually into the device, in which the top and bottom of the outer cover are wrapped and glued. Turning in is done in 2 passes, first one side and then the other.
- During the turning in operation, the cover is pressed through a system of guide rollers.
- Covers that leave the machine are immediately usable

TOUCH PANEL SETTINGS

- Edge turning:
 - Pressing only mode
 - Turning in selection (1,2,3 or 4 edges)
- Gluing modes:
 - Cold
 - Hot
 - Settings of : ejection, backlight, vacuum, speed, temperature
- Rollers cleaning mode (the ability to set the step rotation of the rollers for easy cleaning)
- Emergency mode: reverse of the rollers and unlocking of individual turning in elements
- Sensors diagnostics mode
- Daily and total counter

Grafcut casemakers

TECHNICAL SPECIFICATION

	GC-480 PRO	GC-760 XL PRO
Range of gluing unit speed (m/min)	5,6- 16 m/min	
Water temperature (°C)	0-95 °C	
Heating time	approx. 15 minutes	
Material thickness	80*-300 gsm gluing only or up to 5mm (with optional rigid boards module) 80*-250 gsm turning in	
Max width of cover for gluing only(mm)	up to 520 mm	up to 800 mm
Max format of open case	480 x 770 mm - edge turn in 20mm	760 x 1060 mm - edge turn in 20mm
Min format of open case	145 x 145 mm	
Board thickness**	1,5 mm-4 mm	
Spine width	1-100 mm	
The minimum distance between boards when producing covers without a spine	from 1 mm	
Overlap covering material	10-20 mm	
Types of veneer material	Fabric, laminated paper, photo paper, imitation leather, PVC, polyurethane.	
Maximum no. of boards	6 when using standard spacers (additional spacers available as an option)	
Glue application on rigid boards	Up to 5 mm thick with optional kit	
Glue tank capacity	4 l	
Glue types***	Cold water glue or hot animal glue	
Productivity*	~ 120-180 pcs/ hour	
Dimensions	160 x 160 x 112 cm - min door width. 117 cm <i>Possibility to go through the door 100 cm- vertical transport (disassembly time about 3 hours)</i>	187 x 179,5 x 112 cm <i>Possibility to go through the door 100 cm- vertical transport (disassembly time about 3 hours)</i>
Weight	500 kg	650 kg
Power supply	3 Ph, 400V/50Hz Power: 3,8 kW (heater switched on); 0,8 kW (heater switched off).	

Grafcut casemakers

Compressed air	not required
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*depends on the type of material and operator skills

** tested values. Out-of-range materials must be checked prior to purchase.

***it is also possible to use cold glue, e.g. in the case of pasting the inside end paper under a binder

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