



GC-480 PRO casemaker



GC-480 PRO was developed by us on the basis of many years of experience in implementing similar devices from foreign suppliers in Polish printing houses and bindery. Our goal was to create a device to fill the niche between more automated devices and cheap devices of low quality and low flexibility in terms of possible materials. Compared to the first COMPACT model, the PRO version has been expanded with an automated turning in and pressing module.

The glue application unit is used to cover flat surfaces such as paper, leather, PVC with a thin layer of glue. The machine is able to use hot glues, which allows the use of organic adhesives of animal origin, eliminating the risk of cover waving due to the large amount of water in the glue - not requiring a long pressing time of the finished cover, reducing the time needed to clean the machine to an absolute minimum. The offered machine is a simple

Grafcut gluing machine and casemaker GC-480 PRO

control, large and durable rollers made of stainless steel, standard equipped with preheating to prevent water condensation on the sheet and water supply from the tank 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. The module used does not require an air connection and works very quietly in relation to other devices.

Gluing unit 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

The machine is 100% made in Poland.

Casemaker 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 drop into back tray
- Possibility to do pressing only or turning in and pressing.
- Vacuum table (pump included)
- LED cover central backlight from bottom
- Board positioner operated by hand
- Foot pedal for board stoppers
- Set of magnets for cover positioning
- Shelf for boards and covers

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OPERATION

- 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. Gluing 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
- Service menu: sensor diagnostics
- Daily and total counter

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TECHNICAL SPECIFICATION

| | |
|--|---|
| Range of gluing unit speed (m/min) | 5,6- 16 m/min |
| Glue temperature (°C) | 0-90 °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 |
| Max format of open case | 480 x 777 mm - edge turn in 20mm 500 x 800 mm edge turn in 10 mm |
| Min format of open case | 145 x 145 mm |
| Board thickness** | 2 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> |
| Weight | 500 kg |
| Power supply | 3 Ph, 400V/50Hz Power: 3,8 kW (heater switched on); 0,8 kW (heater switched off). |
| Compressed air | not required |

* depends on the type of material and operator skills

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**** 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**

OPTIONAL EQUIPMENT

1. Optional module for passing through rigid sheets (cardboard) - an attachment that allows passing a rigid sheet straight



2. Optional additional stainless steel glue tank (when using hot and cold adhesives, we recommend using separate ones)

3. Optional galvanized tank for cleaning steel rollers (recommended for the interchangeable use of hot and cold glue)