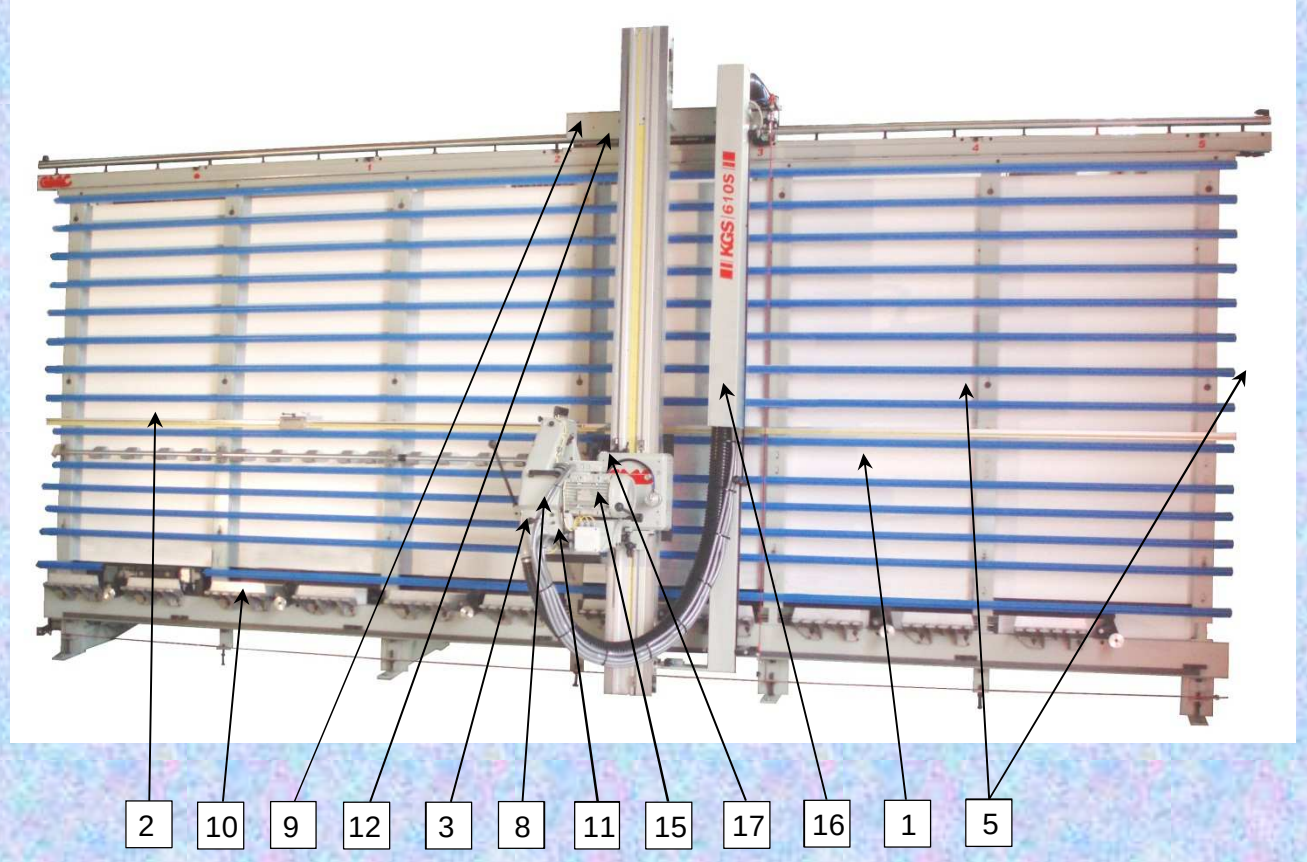
Commercial Brochure 2012

Sales program Machines and Accessories KGS 515 S – 610 S

NEW TECHNOLOGY

G.M.C. macchine S.r.l.

KGS 515 S – 610 S



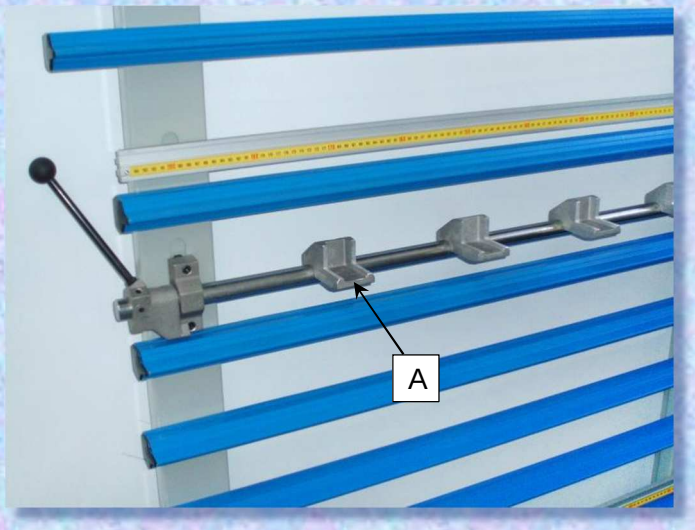
ACCESSORIES

N°	DESCRIPTION	CODE
1	Intermediate retractable turnover support (800 mm)	GMC 00007
2	Cutting device small panels: 50 cm 100 cm	GMC 00269 GMC 00270
3	Scoring unit with adjustable scoring blade TCT	GMC 00003
4	“MFP” Mobile paneled frame	GMC 00177
5	Dust preventer system “DPS”	GMC 00011
6	Dust exhauster for “DPS”	GMC 00012
7	Dust exhausters: HP 2 HP 3 AP (Wood) HP 3 APD (Plastic/Aluminium) EUROFILTER 100 (Wood/ Plastic/Aluminium)	GMC 00291 GMC 00113 GMC 00016 GMC 00017
8	Dust suction help device plastic/aluminum materials	GMC 00164
9	Cutting device flexible panels	GMC 00020
10	Angle cutting device “Angol II”	GMC 00021
11	Pneumatic infeed of the saw blade	GMC 00041
12	Application pneumatic attachment moving frame and pneumatic locking of the saw carriage with hand drive	GMC 00229
13	Pneumatic lift of the rollers	GMC 00024
14	Low voltage plant	GMC 00027
15	Motors: Single phase 7,5Hp Power	GMC 00079 GMC 00036
16	Liquid crystal displays LCD: Vertical cuts Horizontal cuts	GMC 00031 GMC 00032
17	90°turning of the saw unit in automatic mode with hand drive	GMC 00043

ACCESSORIES

1. Intermediate retractable turnover support 800mm (GMC00007)

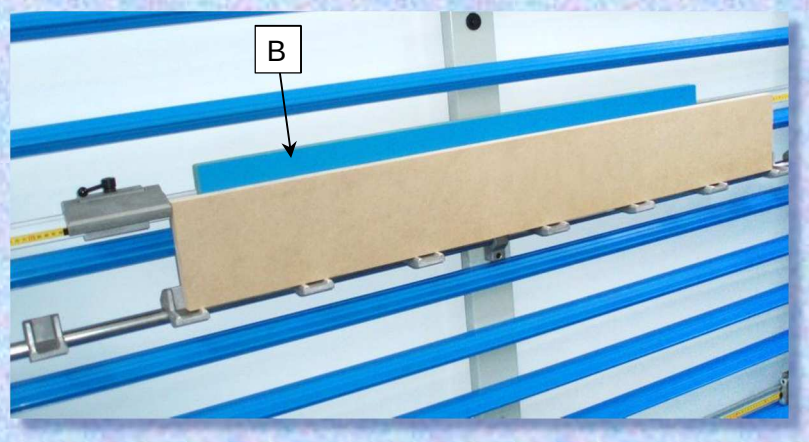
The **Intermediate retractable turnover support** (A) are used when it is needed to cut panels of reduced dimensions in height, so as to work in an area of the machine easier for the operator. When the panels have a considerable length, it is advisable to add 1 or 2 intermediate retractable turnover support, so as to have an ideal base under the panel and to better exploit the cutting length of the machine.



2. Cutting device small panels (GMC00269 – GMC00270)

The **cutting device for small panels** (B) is recommended when it is necessary to cut very low panels. It is a MDF support that is inserted in a very simple way, directly on the metric rod and that creates a solid support in the space between the intermediate supports and the first blue PVC strip. The cutting device for small panels is supplied in two lengths: 50 cm (GMC00269) and 100 cm (GMC00270).

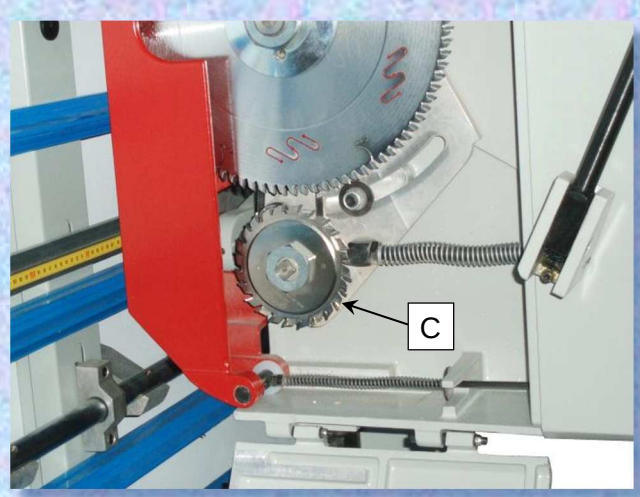
(GMC00269)

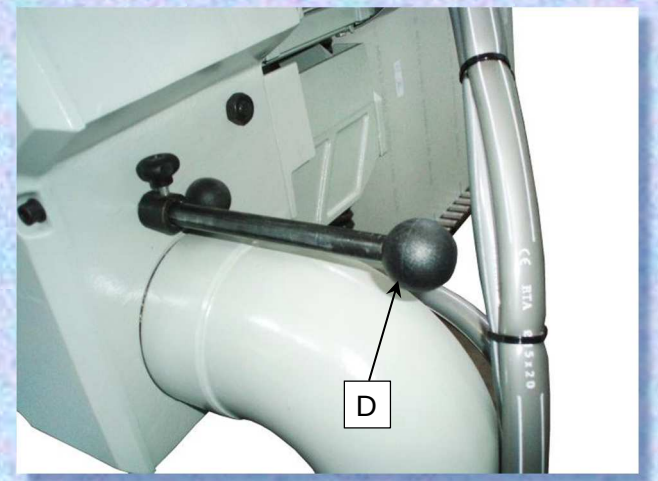


(GMC00270)

3. Scoring unit with adjustable scoring blade TCT (GMC00003)

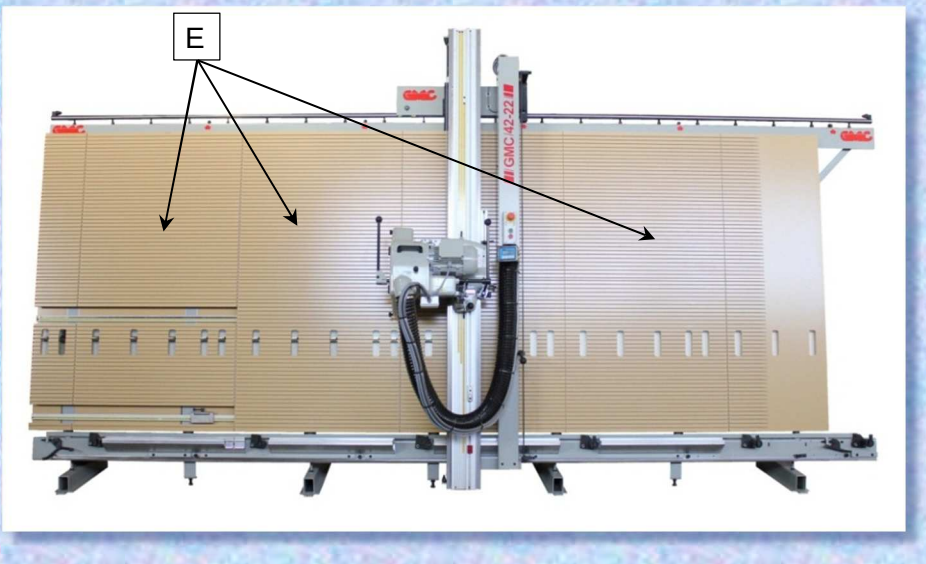
The **scoring unit with adjustable scoring blade** (C) is an optional device that is used to score the coating of the laminated panels, anticipating the passage of the blade and thus obtaining an excellent cut finishing. The scorer, indeed, by rotating in the opposite direction with respect to the blade, avoids any chipping on the melamine coating by scoring the material of only 1.5 mm approximately; at the next passage of the blade it is thus obtained a precise, clean and flawless cut. The insertion of the scoring device is easy and immediate, by acting on the appropriate control lever (D). The adjustment of the scoring width is made through the insertion of calibrated shims (supplied) between the two cutting parts composing the adjustable blade. The scoring depth is adjusted by a bearing mounted on an eccentric pin. Such bearing acts as a "copier" of the surface to be worked, by letting the scoring blade evenly penetrate on the panel, even if this is very curved.





4. “MFP” Mobile paneled frame (GMC00177)

As standard the machine is supplied with blue PVC strips for supporting the panels. If it is necessary to work thin, flexible materials, or materials that require a more homogeneous back support, the machine can be equipped with a **mobile paneled frame in MDF** (E), 25mm thick. The mobile paneled frame automatically moves during the execution of horizontal cuts, letting the blade enter in the proper existing grooves on the MDF panels, and thus avoiding to damage them. This system, in addition to ensuring a greater support to the panels to be worked, offers a considerable dust containment, facilitating the suction system.



5. Dust preventer system “DPS” (GMC00011)

The **dust preventer system “DPS”** (GMC00011) consists of equipping the machine with additional suction holes and pipes, to further lower the level of dust emission into the atmosphere. The additional pipes are placed close to the areas where the vertical and horizontal cuts are executed, these specific locations are the most effective to trap and exhaust the machining dust. In more detail:

- Vertical cuts; suction pipes (F) are mounted in correspondence with the cutting line of the blade, for each fixed position of vertical cut. All pipes are then connected to a single tube (G), fixed to the back of the frame, which ensures the connection to the suction system.

- Horizontal cuts; a suction pipe (H) is mounted on the right side of the machine which exhaust the dust pushed in that area from the rotation direction of the blade and the forward direction of the horizontal cut (from left to right).

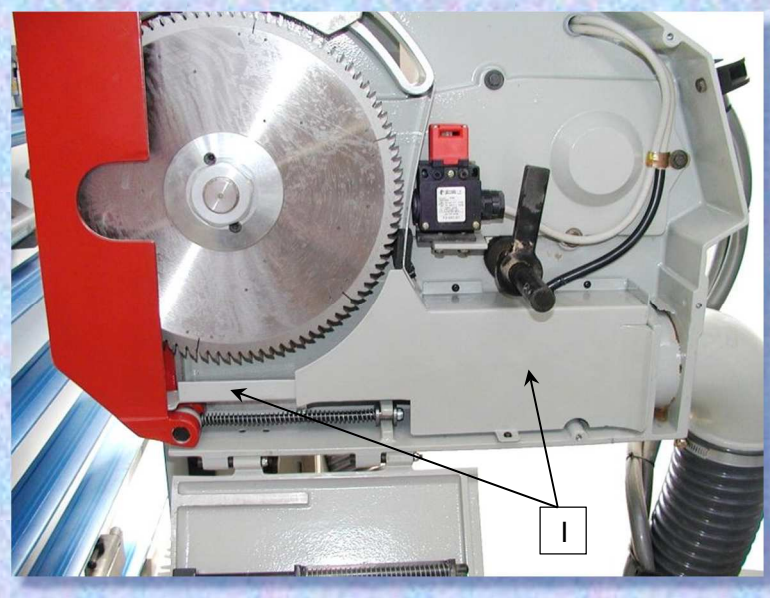
7. Dust exhausters (GMC00291 – GMC00113 – GMC00016 – GMC00017)

The **dust exhausters** serve to exhaust the dust and chips formed during the cutting or grooving. Several models are available, with different power depending on the machine and the materials to be worked, in order to obtain an effective suction and thus, a low emission of dust:

- 2 Hp (GMC00291)
- 3 Hp AP for wood (GMC00113)
- 3 Hp APD for plastic/aluminium (GMC00016)
- EUROFILTER 100 for wood/plastic/aluminium (GMC00017).

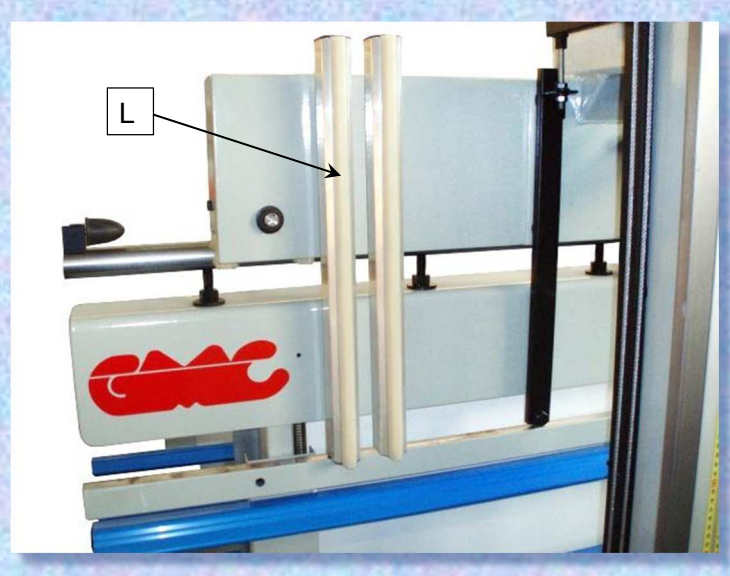
8. Dust suction help device plastic/aluminum materials (GMC00164)

The **dust suction help device plastic/aluminum materials** (GMC00164) is used when it is needed to cut or groove panels made of plastic materials or aluminum composite, in which the machining chips are heavier than those of wood. The device consists of a system of sheets (I) which convey the chips coming from the blade, or the grooving cutter, toward the suction hole, facilitating their passage into the collection container of the dust exhauster.



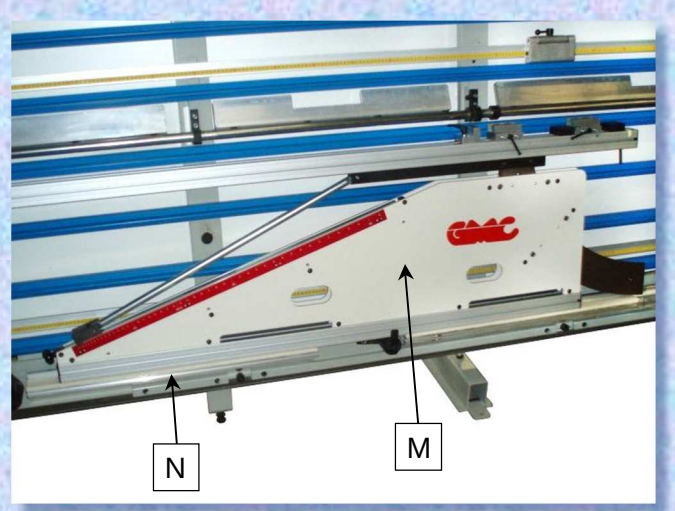
9. Cutting device for flexible panels (GMC00020)

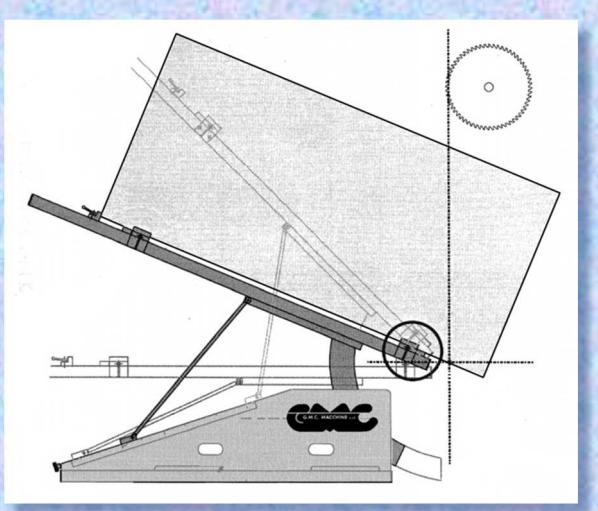
The **cutting device for flexible panels** (L) is used when it is needed to cut very high and thin panels. This type of panels in fact tend to flex backwards, in the upper part of the machine, not finding the support of the crossbars; this makes the execution of both vertical and horizontal cuts more difficult. The device consists of two aluminum profiles, with rubber shockproof inserts, which are fixed to the carriage beam. The profiles bear the flexible panel in the upper part, preventing it from flexing backward during the cut.



10. Angle cutting device “Angol II” (GMC00021)

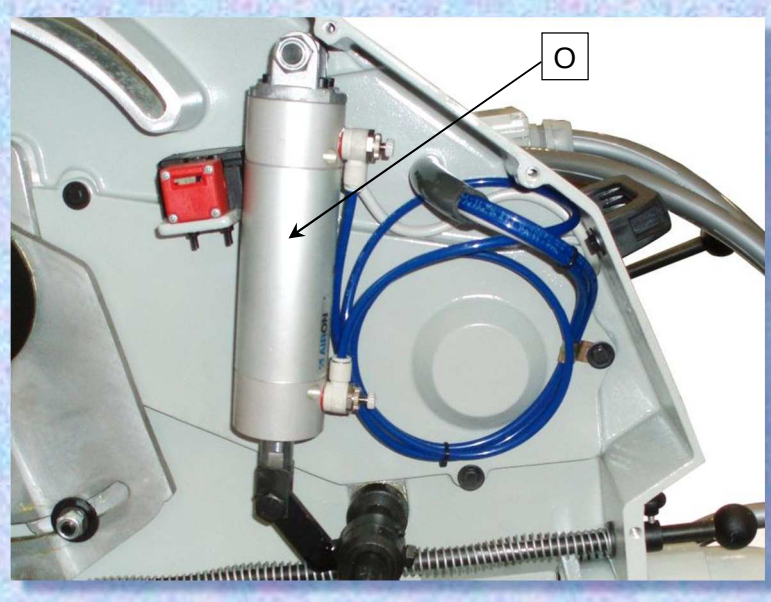
The device **“Angol II”** (M) is used to perform angular cuts both vertically and horizontally. It is very simple and fast to fix it on the machine, relying on a pin that is threaded into a suitable hole formed on the lower supports (N). The use of the device is very easy and intuitive thanks to the quick locking systems and the reference metric rods.

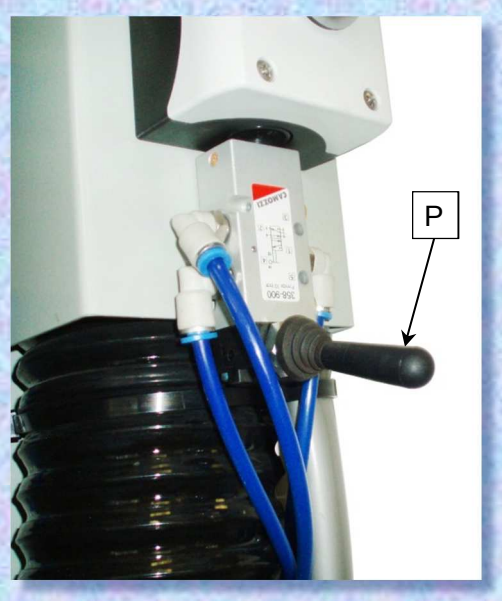




11. Pneumatic infeed of the saw blade (GMC00041)

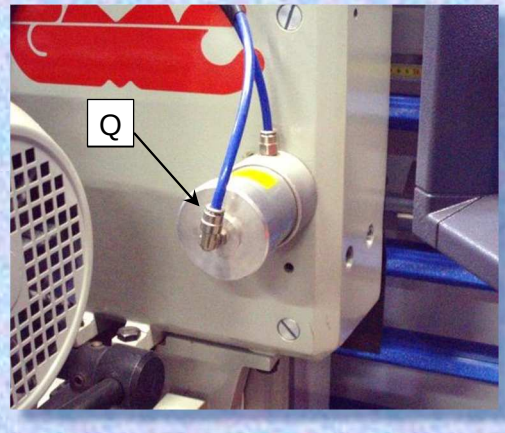
The **pneumatic infeed of the saw blade** is a system that allows for the inlet and outlet of the saw blade with pneumatic drive. The device consists of a pneumatic cylinder (O), located within the sawing unit, which is controlled by a lever valve (P) placed under the panel, and allows for the infeed and outlet of the blade. The system is suitable when it is needed to cut very thick panels or very hard materials, in which case, the infeed of the blade may be less easy to do by hand. The pneumatic infeed of the blade is also recommended in case of intensive use of the machine to reduce the processing time.

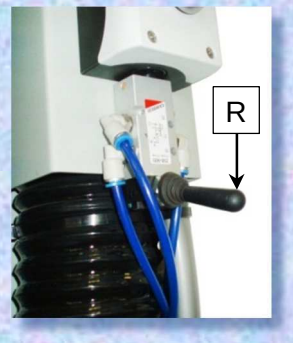


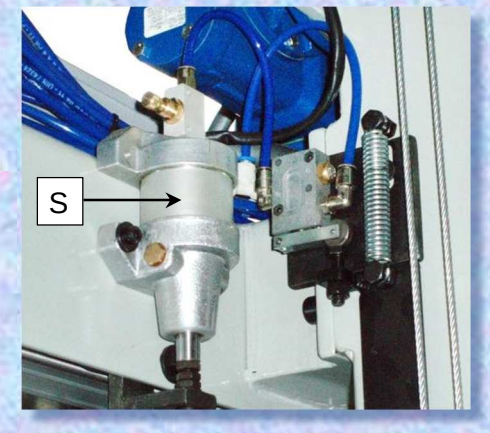


12. Application pneumatic attachment moving frame and pneumatic locking of the saw carriage with hand drive (GMC00229)

As standard the machine is supplied with the moving frame, automatic mechanically operated, and saw carriage with manual locking; if necessary it is possible to set up the panel saw with a **pneumatically-controlled frame and pneumatic locking of the saw carriage**. This application consists of a pneumatic cylinder (Q), controlled by a lever valve (R), which blocks the sliding of the saw carriage; a second cylinder (S), fixed to the beam trolley, automatically moves the frame during the horizontal cuts avoiding the blade to etch the PVC slats.

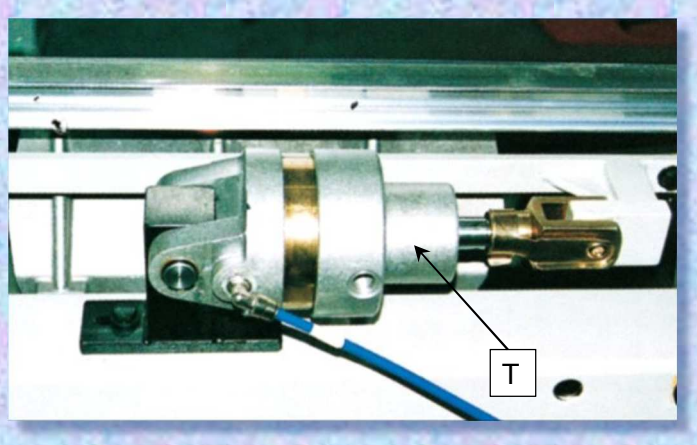






13. Pneumatic lift of the rollers (GMC00024)

When it is needed to handle panels of large dimensions, therefore heavy, it is advisable to equip the machine with rollers for the sliding of the panels with **pneumatic lift**.
It is a pneumatic cylinder (T), fixed in the rear part of the frame that, once activated by the operator, raises the rollers and keeps them in position. At a new command the cylinder will lower the rollers slowly to avoid damaging the panel in contact with the lower supports.



14. Low voltage plant (GMC00027)

As standard the machine is supplied with 400V three-phase motors and 110V auxiliary control circuit. For special security requirements it is possible to equip the machine with an **electrical plant for low voltage auxiliary controls (24V)**.

15. Motors: Single phase (GMC00079), 7.5Hp (GMC00036)

As standard the machine is supplied with 400V three-phase motor (5200 rpm blade) with 5.5hp power, but it is possible to equip the machine with different motors depending on the working needs:

- **Single phase motor** (220V) GMC00079
- **7.5Hp motor** GMC00036

16. Liquid crystal displays LCD for vertical cuts (GMC00031) and horizontal cuts (GMC00032)

The **liquid crystal displays LCD** are used to clearly and precisely display the coordinates of the X (horizontal) and Y (vertical) axis. The displays are also customized with specific software for our vertical panel saws, integrating some special functions such as: automatic calculation of the blade thickness in a series of horizontal cuts; possibility to reset the axis at a preset point; double measurement blade / grooving cutter; unit of measurement in millimeters or inches.

(GMC00031)

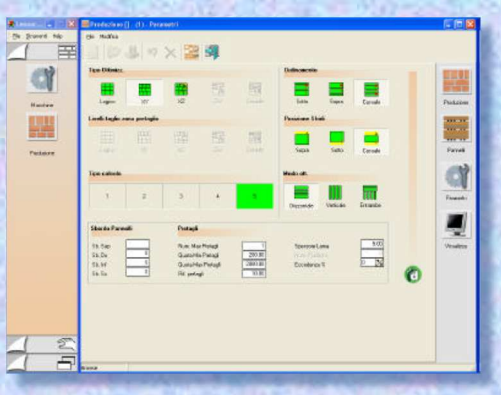
(GMC00032)

17. 90° turning of the saw unit in automatic mode w ith hand drive (GMC00043)

The **device "90° turning of the saw unit in automatic mo de"** serves to change the working position of the saw unit from vertical to horizontal cutting (and vice versa), in automatic. The application consists of an electric actuator (Q), fixed to the saw carriage and controlled by a selector (R), which performs the rotation of the sawing unit. This device is indicated for those machining operations where the working position of the blade is often changed, from vertical to horizontal cutting and vice versa.

18. Optimization software “Leonardo” (GMC00059 - GMC00060)

The software “Leonardo LT” (GMC00059) is used for optimizing the cutting plans, store cutted panels, manage scraps and stock of panels, gain control of the times, and therefore, production costs.

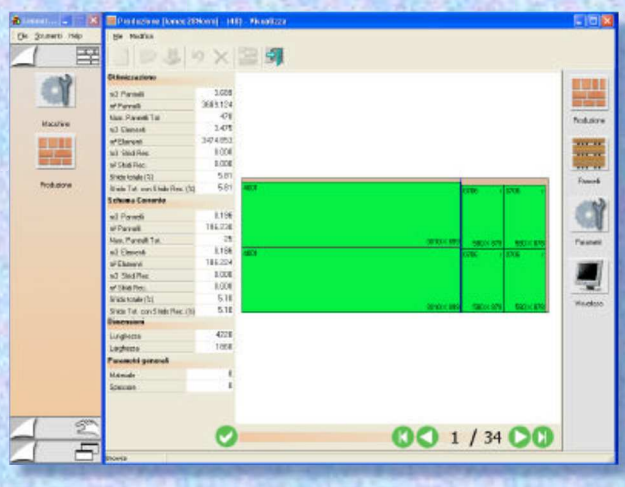


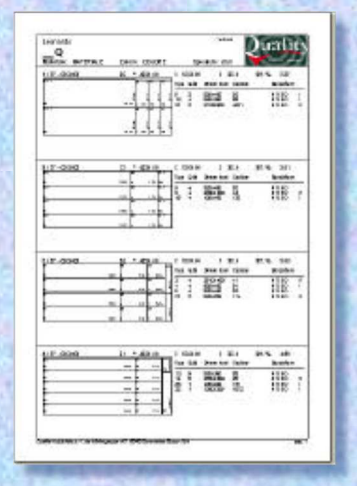
The “Leonardo LT” version contains:

- Multi-material / multi-thickness management
- Optimization of up to 200 types of pieces for each material
- Choice from 10 sizes of panels for each material
- Respect of the trim on the sheet
- Management of the thickness of the blade and the direction of the grain
- Display of the results
- Report of the total number of sheets, diagrams and work cycles
- Indication of the effective use of the material, both on the individual plan and the entire optimization
- Print-out of the diagram/plans and the summary, which is useful for the supply of the material
- Execution of the economic verification taking into account the cost of the material and of the cuts
- Importing of cutting lists or warehouse from Excel files format.
- Allows printing of labels also with barcodes

In the “Leonardo OEM” version (GMC00060) the optimizations can be carried out with the calculation of only three sizes of plates, one single type of precision and maximum 20 different types of pieces.

In both versions, the cutting plans can be displayed on the monitor or printed.





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LITOGRAFICA CARPI ☎ 059/63.53.11

La più vasta gamma di sezionatrici verticali: manuali, semi automatiche, automatiche e con programmatore elettronico.
I dati tecnici rappresentano valori indicativi. La G.M.C. MACCHINE si riserva di apportare modifiche alle proprie macchine, in seguito ad ulteriori sviluppi e migliorie.
Le macchine illustrate possono comprendere parzialmente accessori a richiesta, che non appartengono alla fornitura standard delle macchine.

Extremely wide range of vertical panel saws: manual, semi-automatic, automatic and with electronic programmer.
The technical data are approximate.
G.M.C. Macchine reserves the right to make changes to its machines, following further development and improvements.
The machines illustrated may partially include optional accessories not supplied as standard.

La gamme la plus vaste de scies à panneaux verticales: manuelles, semi-automatiques, automatiques et avec ordinateur.
Les caracteristiques techniques sont des valeurs indicatives. La G.M.C. MACCHINE se reserve le droit d'apporter a ses machines, les modifications et a meliorations quelle jugera utiles.
Les machines illustrèes peuvent comprendre partiellement des accessoires en option, qui ne sont donc pas compris dans la fourniture standard des machines.

Das umfassende Sortiment von Vertikalplattensaegen: manuelle, halb-automatische, automatische und mit elektronischer Programmiereinheit.
Die technischen Daten stellen richtungsweisende Werte dar. Die Firma G.M.C. MACCHINE behält sich das Recht vor, seine Maschinen, infolge von Weiterentwicklungen und Verbesserungen abzuändern. Einige der abgebildeten Maschinen können auf Wunsch erhältliche Zubehörteile umfassen, die nicht zur Standardlieferung der Maschinen gehören.

La mas amplia gama de seccionadoras verticales: manuales, semi-automaticas, automaticas y con programador electronico.
Los datos técnicos representan valores indicativos. G.M.C. MACCHINE se reserva la aportación de modificaciones a las propias maquinas para obtener posteriores y mejoras.
Las maquinas ilustradas pueden incluir parcialmente accesorios sobre pedido, que no estan incluidos en la dotación standard de las maquinas.

G.M.C. MACCHINE s.r.l.
Via Puglie, 21 - 41012 CARPI (MO) Italy - Tel. (059) 692163-695785 - Fax (059) 641607
WORLD WIDE WEB SITE: WWW.GMC.IT - E-mail: gmc@gmc.it