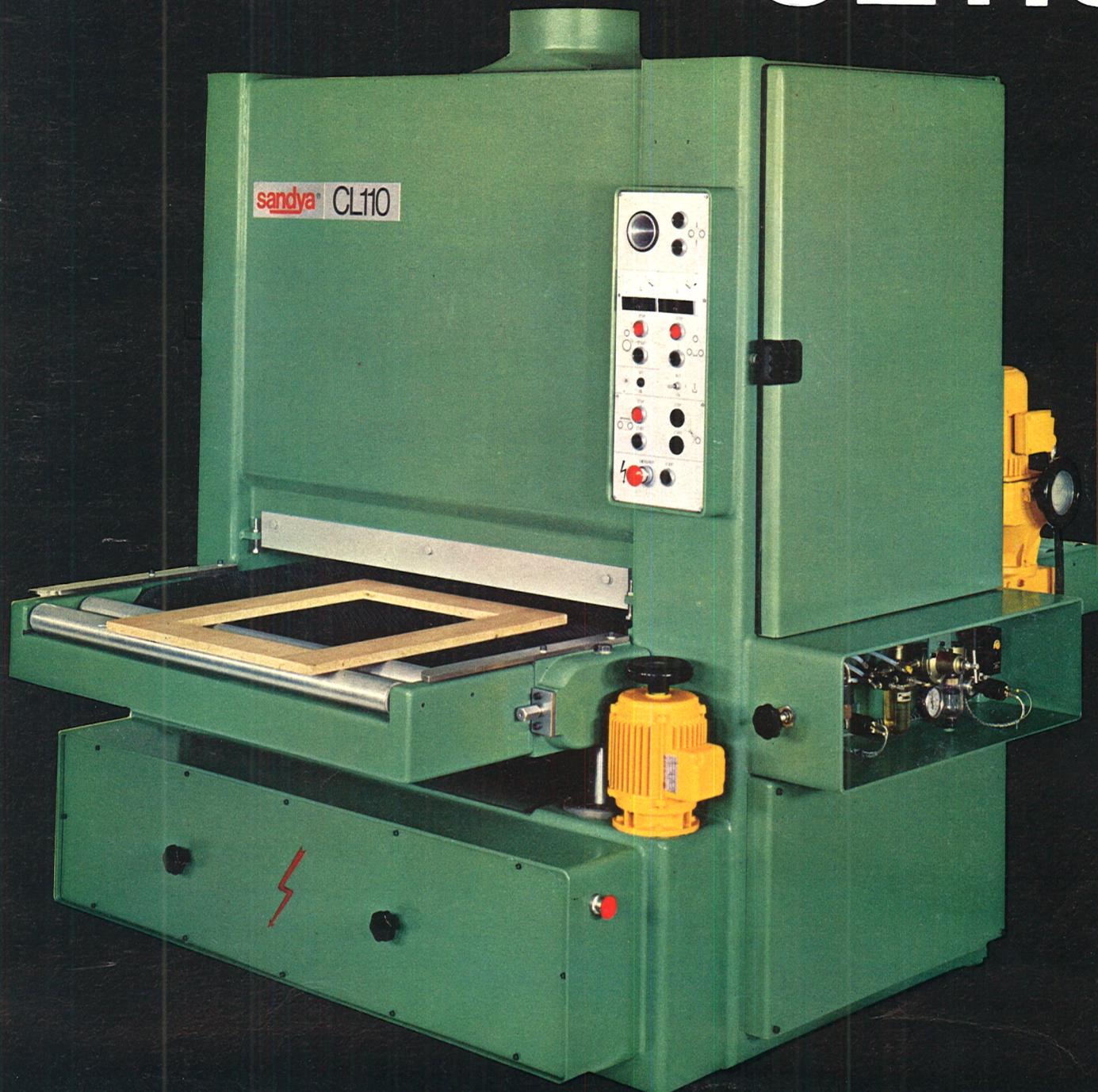
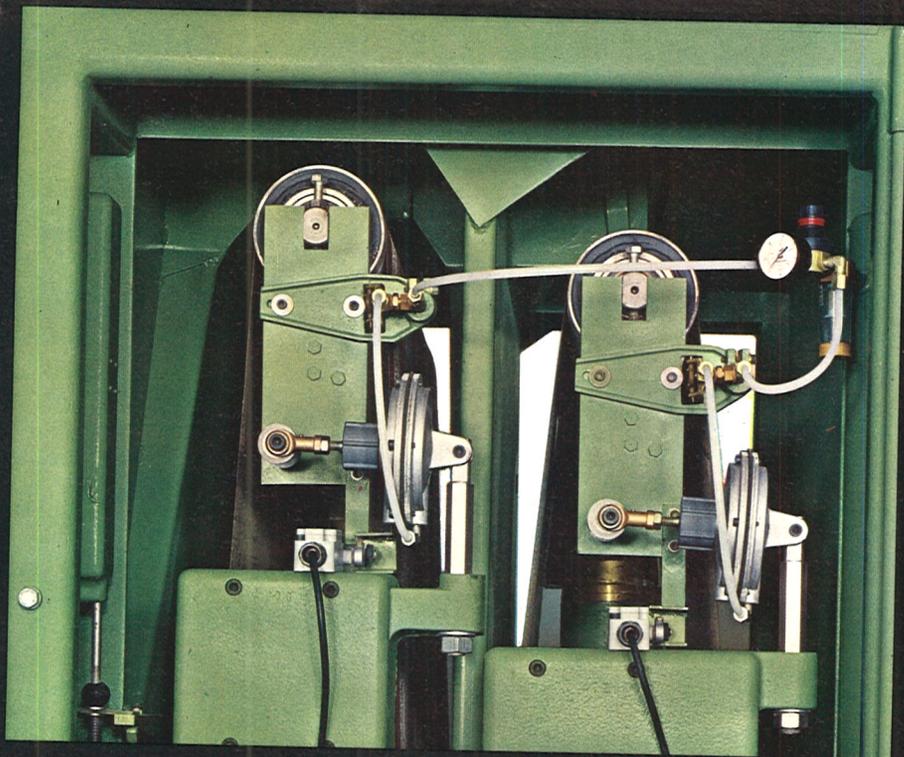


sandya[®]

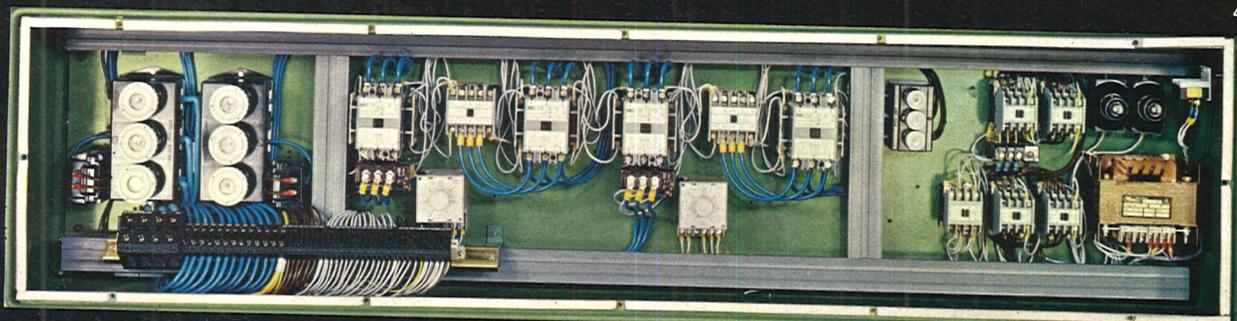
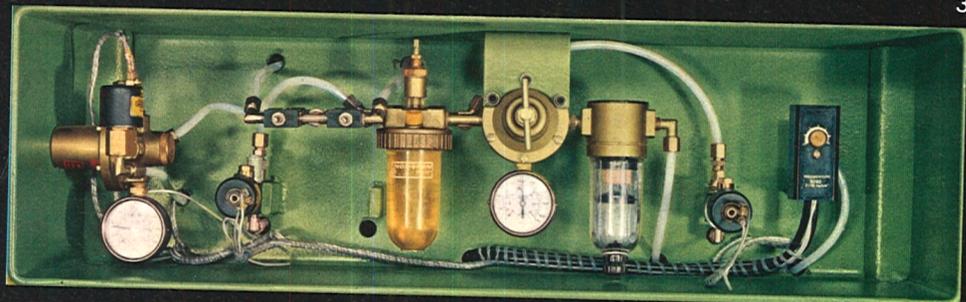
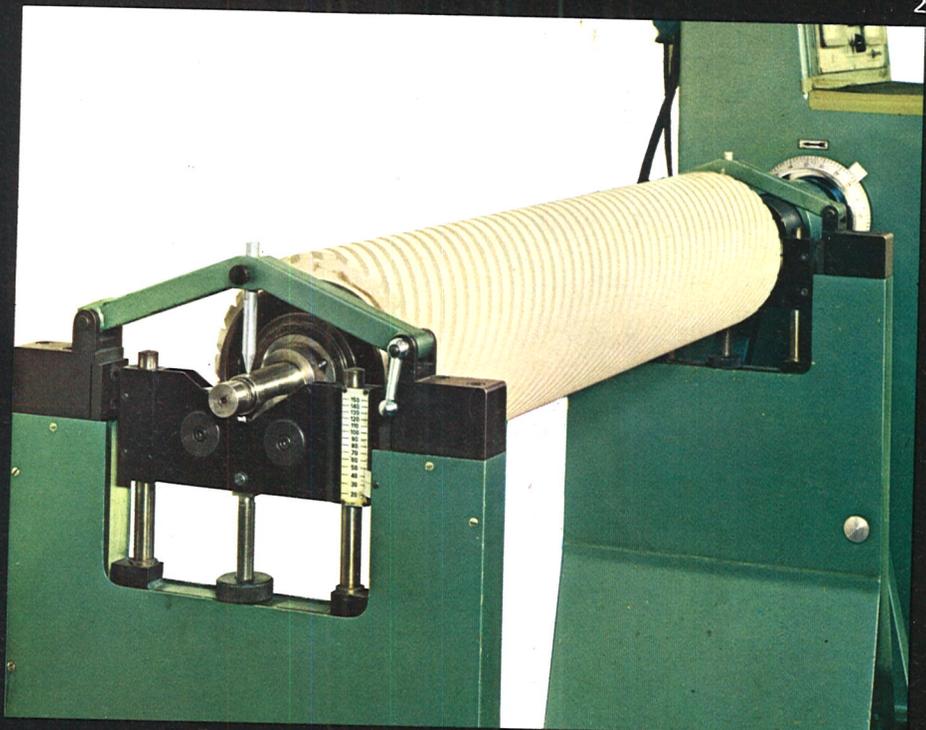
**twin
overhead
wide belt
contact sander
CL110**

- electronically controlled pad lowering
- upper and lower feeding
on processing lines and paint-coated work





1 - Control side showing belt tracking and oscillation equipment and roll adjustment system to be used for slightly bell-shaped belts.
 2 - Abrasive belt changing side showing belt tensioning knobs and quick locking devices of units.
 3 - Thickening rubber roller assembled on dynamic balancing machine.
 4 - Pneumatic circuit for inspection at a glance of readings and easily accessible for setting-up operations.
 5 - Electric circuit panel assembled on dust-proof box. Motor protection equipment clearly visible.



2

3

4

5

this machine can solve the most difficult sanding problems for medium and large manufacturer

Our constant commitment, directed towards the conservation through time of high qualitative standard of overhead wide belt sanders line, has been rewarded by the manufacture of the CL110 and the three special models of thickening-finishing sanders, namely: CL110F, CL110V, CC110.

THICKENING AND FINISHING UNITS

These units, each powered by its own motor, are completely independent on each other. This permits their operation either singly or simultaneously depending on the requirements of the job to be done.

THICKENING UNIT

Consisting of a steel cylindrical roller (rubber covered upon request), dynamically balanced, it can perform thickening operation with good surface finish, immaterial of stock thickness being removed. Such unit properly designed and dimensioned, gives the abrasive belt long life and high performance, without any chance of it getting overheated.

FINISHING UNIT

Designed just for sanding of pieces which show slight irregularities; the elasticity, achieved by means of a pressure adjustable pneumatic cylinder and with a pad of elastic material, permits to follow discontinuous thicknesses of the piece in operation. The pad, easily interchangeable, is supplied with the machine in two different hardnesses in order to enable its application to all job requirements, ranging from frames, to veneered panels, on to solid timber.

AUTOMATIC LOWERING OF PAD (PATENTED)

Thanks to the automatic mechanism for lowering and raising the pad, independent of the workpiece feed speed, unwanted edge chamferings are eliminated completely, without the operator having to take any corrective action at all.

PRESSURE ROLLERS

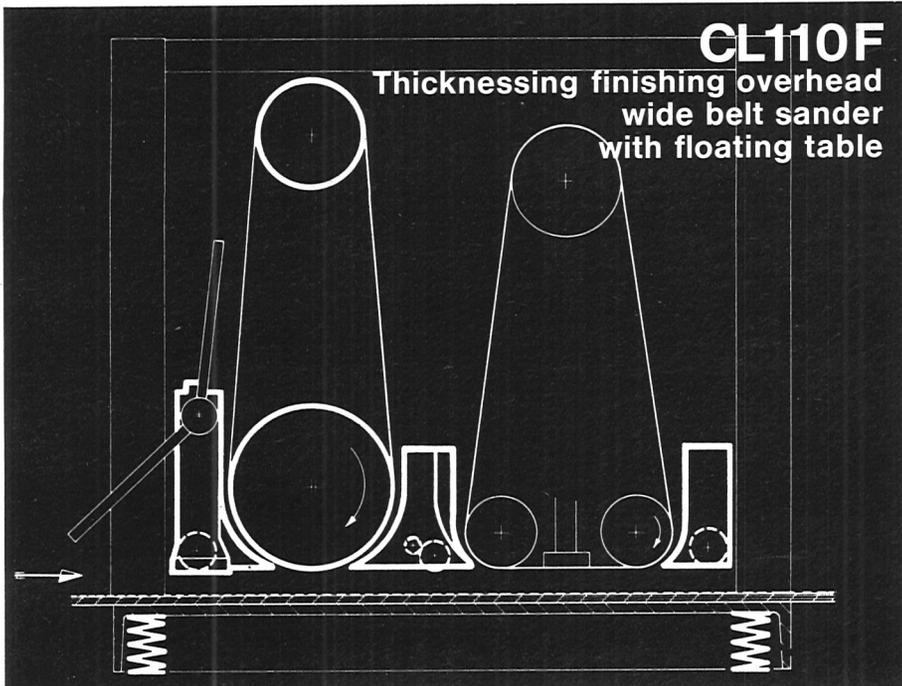
Made of steel, assembled on elastic supports, these hold the pieces being sanded close to the feed belt. They are so close to each other to enable sanding of short pieces.

PNEUMATIC CONTROL OF BELT TRACKING AND OSCILLATION (PATENTED)

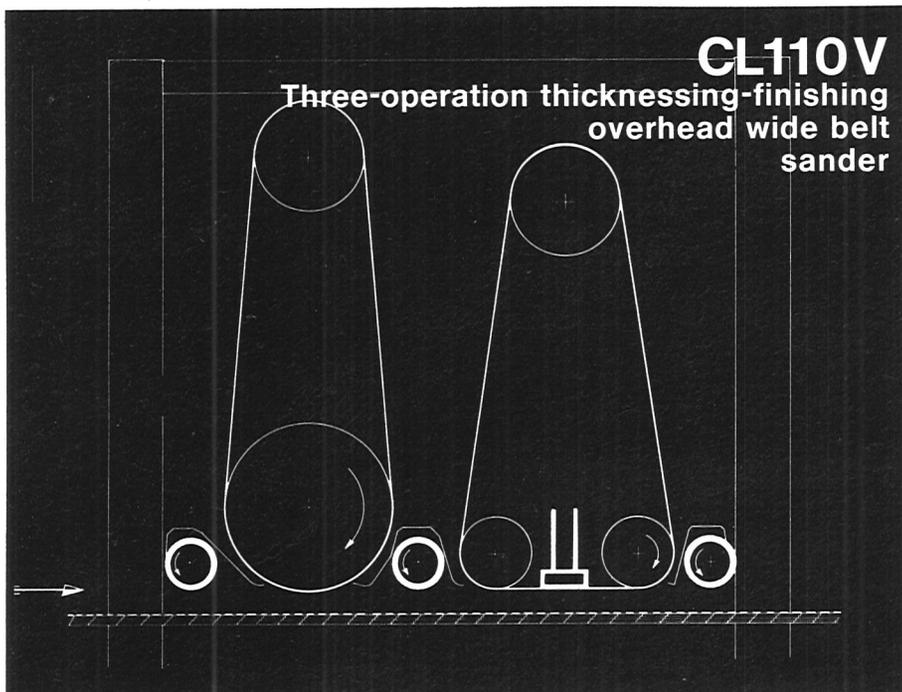
This pneumatic system, highly efficient and simple, guarantees best operation eliminating the chance of belt breakage even if the machine is working under excessive loads.

PNEUMATIC BRAKE WITH AUTOMATIC ACTIVATION

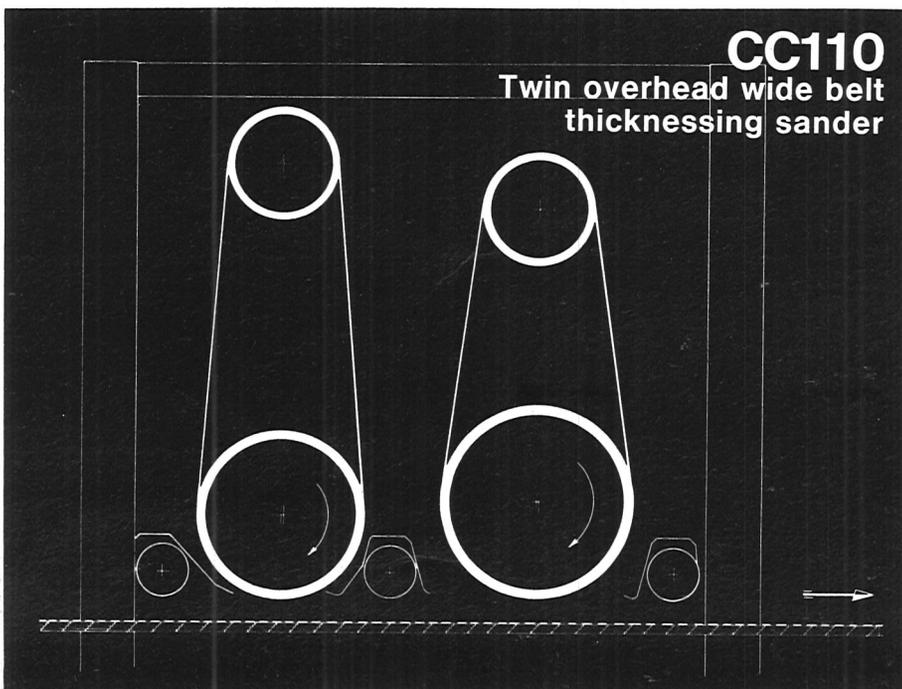
The brake activates automatically and instantly, whether the work air pressure falls below its minimum set value or whether there be a belt breakage.



◆ This model is equipped with floating table whose function is to keep stock close onto platens, the latter being rigid; it is thus possible to carry out a true "contact operation", in order to take up or compensate for even the most marked surface ridges without compromising the good finish of the piece at all points of its surface. Further, the floating table enables to sand veneered panels of different thicknesses, within the stroke range of floating table, without the operator needing to adjust every time the table working height. The CL110F is capable of performing pre-finish and finish sanding operations simultaneously utilising both units, thus enabling the determination of the first unit pass value. The machine in its standard version, is equipped with rubber coated thickening roller. The floating table can be locked to perform sanding operations just as on a normal CL110.



◆ The CL110V has been purposely designed to perform the following operations:
Thickening and finishing of hard stock:
This operation is possible thanks to the steel thickening roller and the normal finishing pad.
Finish-sanding of veneered stock:
A specially designed finishing pad enables to perform this particular operation.
Paint-coated surfaces finishing:
The machine is equipped with upper powered rollers which feed the work at the same rate as the feeding belt, and finishing elastic pads with an air cushion, suitable for paints.
The change over from one kind of operation to the other is very fast, in that it is just enough to change the pad of the finishing unit.
The machine is fitted with a buffing roller and blowing orifices.



◆ This machine finds application as a thickness-sander especially in those jobs requiring heavy material removals for each pass of the stock. The coarse thickness sanding operation is done by the first steel roller, while the fine thickness sanding operation is done by the second roller, of larger diameter than the first, and rubber coated.

The special versions CL110F, CL110V, CC110 have been equipped with devices necessary to solve the specific problems inherent to the various operations suggested by our highly qualified customers, in line with the traditional constructive principles.

PNEUMATIC BELTS TENSIONING

Belt tensioning is done in a very simple and quick manner. The tension system is adjustable to avoid kinks which could damage the abrasive belts.

FEED BELT

It is powered by an infinitely variable drive which permits to select the appropriate feed speed even during operation.

TABLE RAISING AND LOWERING

It is motorised and push-button controlled. Fine table settings are obtained through hand-wheel. A clutch safety device activates at the end of table stroke or in the presence of obstructions which might hinder the table from raising. The graduated

ruler which shows the table height is enclosed in a dust proof box provided with light and magnifying lens for better visual perception.

FAIL-SAFE CIRCUIT IN OPERATION OF CONTROLS

It is impossible to start the thickening or the finishing units if either abrasive belts are non tensioned.

- The pneumatic circuit for belts tracking and reciprocating motion set automatically into operation as the motors are started up.
- The pad raising and lowering take place automatically upon starting up finishing unit motor.
- All motors are protected by overload thermic relays and fuses. Two amperometers, (one for each main motor) allow continuous check-up of motor power drawn.

<p>specifications</p> <p>Workpiece width Max. workpiece thickness Min. workpiece thickness Min. workpiece length upon request with pressure shoes Size of abrasive belts Thickening belt speed Finishing belt speed Feed speeds (variable)</p> <p>Thickening belt drive motor Finishing belt drive motor Feed drive motor Table raising and lowering motor Pneumatic circuit working pressure Air consumption Exhaust branch diameter (2) Quantity of exhaust air for each branch Net weight Overall dimensions Shipping volume</p> <p>UPON REQUEST</p> <p>Thickening belt drive motor Finishing belt drive motor Max. working thickness (with no protection on table raising columns)</p> <p>Machine wired for 60 cps voltage operation Elastic finish-sanding pads with air cushion Pressure shoes for minimum working length of 11.13/16" (300 mm.) (finish-sanding unit) and 5.7/8" (150 mm.) (thickening unit).</p>	<p>CL 110</p> <p>43.5/16" - 1100 mm. 4.3/4" - 120 mm. 1/8" - 3 mm. 15.3/4" - 400 mm. 11.3/8" - 290 mm. 84.5/8"x44.1/16" - 2150x1120 mm. 65 ft/sec. - 20 mts/sec. 65 ft/sec. - 20 mts/sec. from 15 to 82 ft/min. from 4,5 to 25 mts/min.</p> <p>20 HP 15 HP 1,5 HP 1 HP 6 Atm. 200 normal litres/min. 6.1/4" - 160 mm. 2000 m³/hour 6277 lbs - 2850 kg. 78.3/4"x71.5/8"x94.1/2" 2000x1820x2400 mm. 9 m³</p> <p>25 HP 20 HP 5.7/8" - 150 mm.</p>
---	---

The above data are not binding to details, as improvements are incorporated from time to time.

Optional extras

Rubber-coated thickening roller

Supplied upon request, it replaces the thickening steel roller, and can be fitted on all models: CL110, CL110F, CL110V, CC110.

Precision ground, dynamically balanced, the roller's rubber coating has cog-teeth to prevent excessive overheating of abrasive belt, thus enhancing its efficiency and life; the cog-teeth, further, have the purpose of giving the roller a more effective thickening action. The rubber coating hardness may vary from 30 Shore to 85 Shore, depending on the type of job to be done. The lower hardness numbers are used for pre-finishing jobs, while the higher ones are used for a thickening operation. It is not advisable to equip the machine with rubber coated roller when a thickening operation involving great stock removal has to be carried out.

Buffing roller

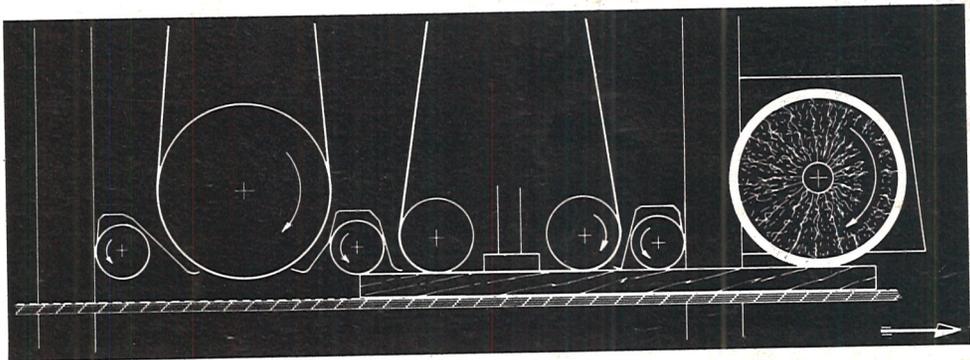
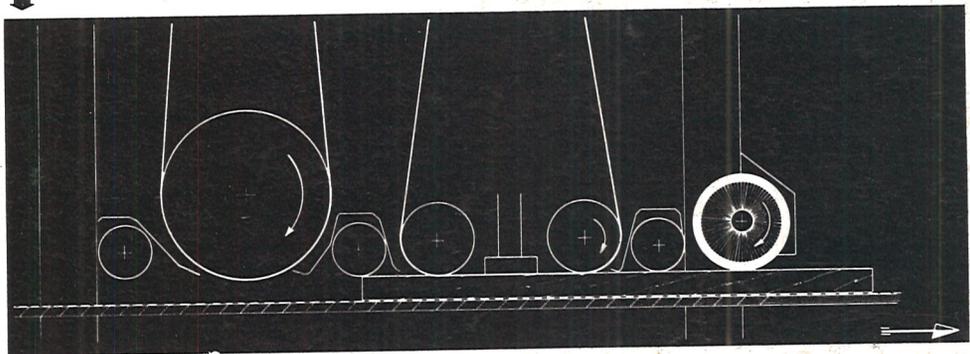
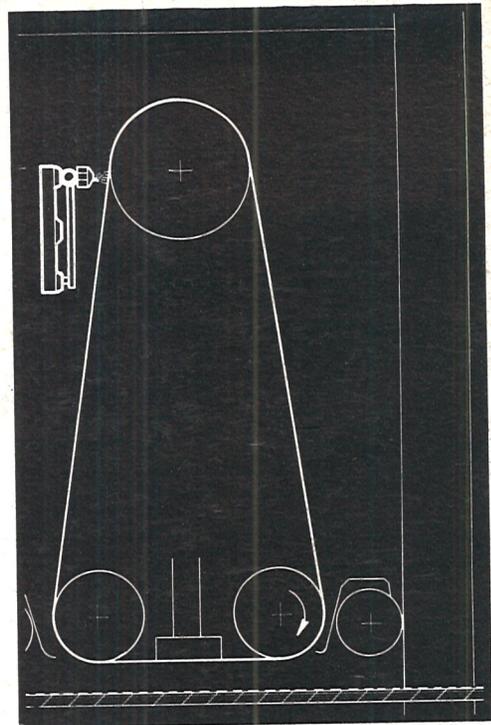
Built of special abrasive impregnated material, it is used when sanding paint-coated surfaces to obtain a homogeneous finish all over. It finds also application in the sanding of coarse pieces after these have passed through the abrasive belts, performing in such a way a buffing operation. It is generally fitted on models of machines to be employed only for sanding paint-coated work (CL110V).

Blowing orifices

Jets of air directed towards the finishing belt keep the abrasives free from dust clog-ups caused by the workpiece in operation. Their travelling motion, constantly reciprocating, covers the whole abrasive belt width. This equipment is particularly suited for fine sanding and for paint-coated surfaces.

Brushing roller

Built of special anti-statics material to prevent build-up of wood dust, this roller has the function of brushing the sanded workpiece surface. It is fitted, upon request, on models CL110, CL110F, CC110, at the work exit side.



Distributed by



sandya®

VILLA VERUCCHIO (FO) ITALY