



The manufacture of the vast range of wood working presses with the name KOLMAG, was started in 1960. These presses were sold both in Italy and throughout the world. Always at the forefront when it comes to the production and design of new work processes, Kolmag was one of the first companies to produce woodworking presses and continuous cycle machines.

Over the last thirty years, in order to satisfy the changing requirements of the clientele, the company concentrated its efforts on the production of membrane presses and it was the first in the world to have devised and placed on the market a specific type of membrane press used mainly for covering shaped panels. As well as producing machines it also carried out an in-depth examination of all the technology of the materials used and the gluing processes which are of paramount importance for the quality of the product so that it can offer the client advice not only with regards to the specific machine but also the entire production process.

In the 1970's in addition to the production of presses, the company began to design, produce and sell vacuum dryers for wood which it exports all over the world under the "Cigomak" name.

The marks Kolmag and Cigomak are now been absorbed by group SAOM, company that produces work centers numerically controlled for working with wood for over 30 years.

The production of the mark Kolmag and Cigomak was transferred SAOM in factories located in Legnaro (Padova) and Costa di Rovigo (RO).

## Products - Woodworking presses

### liquid:

~COMPAT  
SL

~KOMBINAT  
ML  
EL

~SINTEX  
PMV

~CICLO FLEX  
PSAM

~COMPLEX  
SPMV  
PSMV

~ TMSE

### air-vacuum:

#### VACUUM

BPMA

#### AIR-VACUUM

~DUPLEX  
SP2M  
M2A

~THERMO  
THERMO  
MAK

~CURVAT  
SPMA



Our current range of membrane presses includes models with either liquid or air pressing cushions or work surfaces. In addition we can also design "vacuum" presses for the same type of work.

"Membrane presses (we remind you that the name "membrane" press was coined by our marketing division) are mainly used for hot gluing synthetic, thermoformed sheets, papers, or wood veneers to panels or various types of backing materials – mainly MDF, chipboard, wood – with shaped or curved surfaces. Regardless of the type of press used the work cycle is the same. However pressing times can vary greatly according to the type of press used. The shortest pressing times are usually achieved using liquid cushion presses.

Work cycle

- 1) Preparation of the panels: sectioning, pantographing
- 2) Spraying a layer of glue onto the surface
- 3) Preparation of synthetic, thermoformable material, veneer or other material
- 4) Pressing cycle: loading, pressing, unloading
- 5) Panel trimming and finishing.

Our current range of membrane presses also includes very powerful membrane presses for the automotive industry or a variety of applications where specific high pressures are required.



## ML

The Kombinat ML press has a LIQUID pressing cushion for loading/ejecting panels on the manually transversally extractable pressing surface.

It is dedicated to the small and medium sized company where the importance of having an extremely versatile, flexible press is indispensable to satisfy the company's production requirements. The machine is mainly used for gluing thermoformable materials on MDF panels, it can also glue wood veneer to raised MDF or chipboard panels.

The Kombinat ML model is available in the following versions:

- (V) with depressor – for thermoformed materials
- (R) with heated upper work surface – for wood veneer
- (VR) complete with depressor and upper heated work surface– for all types of wood working.

### KOMBINAT MLV 230x100

Specific pressure	Kg/Cm <sup>2</sup> 6+1
Working size	mm 2300x1000
Useful opening between plates	mm 350
Main pistons	N°6
Diameter of main pistons	mm 100