



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.

SPMV**SPMV**

The COMPLEX SPMV presses have a LIQUID cushion press for loading/unloading the panels directly into the press compartment. The machines achieve a specific high pressure and can be used for any type of gluing, including extremely difficult materials. The SPMV models come complete with depressor (for thermoformed materials) and can be fitted with a heated upper work surface - model SPMV-R (for wood veneer).

COMPLEX SPMV 170x75

Specific pressure	Kg/Cm2 18
Working size	mm 1750x770
Useful opening between plates	mm 350
Main pistons	Nº2
Diameter of main pistons	mm 265

COMPLEX SPMV 230x100

Specific pressure	Kg/Cm2 18
Working size	mm 2350x1020
Useful opening between plates	mm 350
Main pistons	Nº3
Diameter of main pistons	mm 265