



 **sergiani**

**PRESSES AND PLANTS FOR DOORS**

**scm**  **group**



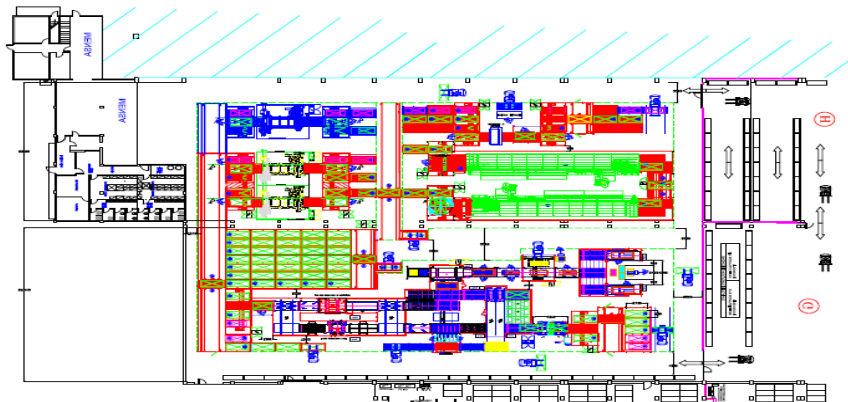
## MORE THAN 60 YEARS EXPERIENCE

In 1947 SERGIANI's has been the **FIRST COMPANY IN ITALY** to manufacture **PRESSES** and **panel handling equipment** for the **woodworking industry**, acquiring so many references among the main producers in Europe and in the world.

Sergiani's is particularly known ad leader in the production of **flush doors** and **technical doors** thanks to the through-feed **patented press mod. LAS 230**, for **high productivity** and quality of the door.

As from 2006 SERGIANI's is included in SCM GROUP extending a wide range of products.

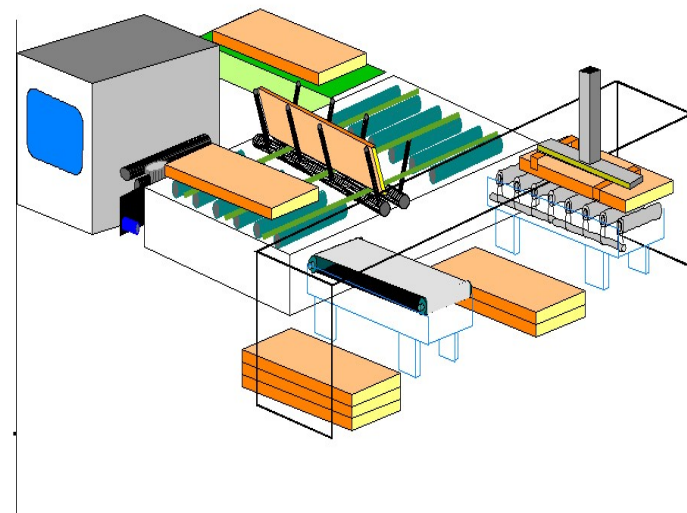
In the **DOORS** sector, **SCM GROUP ENGINEERING** offers **PLANTS and COMPLETE FACTORIES** designed on the particular exigencies of the customers.





## WIDE RANGE OF CUSTOMIZED SOLUTIONS

SERGIANI's produces **PRESSES** and **PLANTS** with **PANEL HANDLING EQUIPMENT** in configuration designed to satisfy the different exigencies of **process**, of **automation** and of **productivity** of customers up to **completely automatic** plants, without operators in line, managed by **SOFTWARE SERGIANI SCM GROUP**.



## APPLICATION SECTORS

**FLUSH DOORS - DOORS FINISHING and TECHNICAL DOORS**  
**WINDOW and DOOR FRAMES** (windows and doors in **solid wood**)  
**LAMINATED PANELS** (veneer - HPL - CPL – papers)  
**MULTILAYER PANELS**  
**BLOCKBOARD PANELS AND LAMINATED WOODEN BEAMS**  
**PRE-FINISHED PARQUET** ( 2 and 3 layers)  
**STRAIGHT and CURVED LAMINATED WOODEN BEAMS**  
**WALLS for WOODEN HOUSES**





## PATENTED AUTOMATIC PRESSES Mod. LAS 230

Through-feed presses with electronic control for **high productivity**, **gluing quality** and **surface quality** of the door.

It is the press with the **HIGHER TECHNOLOGICAL CONTENT OF THE SECTOR**. It reckons **more than 600 references** among the main door manufacturers in Europe and in the world.

The hydraulic system of this press allows to **maintain constant pressure** in the upper and lower daylight during the opening of an intermediate daylight. **The assembled door is immediately transferred in the press** without waiting times.

**Max. speed : 1 door every 20 seconds**

Advantages as regards the simultaneous loading presses :

it is possible to use "FAST GLUES" without **PRE-HARDENING** of the glue for a **higher productivity increase**.

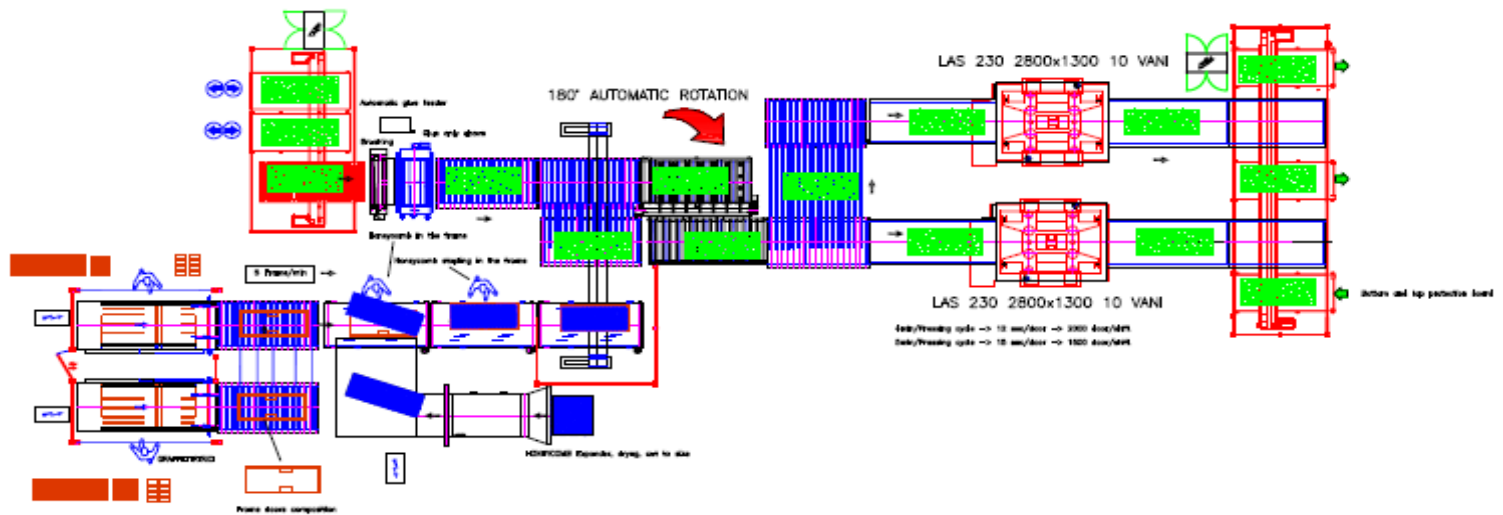
The dead times of press loading/unloading, opening/closing are almost reduced at zero with a **further productivity increase** pressing **one door per daylight** for the best product quality. **1 / 3 less covered space** and fix loading level.

The **electronic control** allows **the integration in automatic lines with SERGIANI SOFTWARE** for line control, programming from one only PC and production program managing on the base of customer orders.

Versions as from 5 - 6 and 10 daylight with 120 ton - 140 ton and 200 ton.

Platen dimensions : 2.500 x 1.300 - 2.800 x 1.400 - 3.350 x 1.400.





## 2.000 DOORS PER SHIFT

Example of line for the **completely automatic composition** of 3-layer doors with **no. 2 presses LAS 230 with 10 daylights**  
**Composition in line of door frames** with honeycomb paper  
**Flexibility in size change** thanks to the double stapler GRAFMATIC  
**No. 4 OPERATORS** in line + forklift for material infeed

## 1.000 DOORS PER SHIFT

Example of line for the **semi-automatic composition** of 3-layer doors

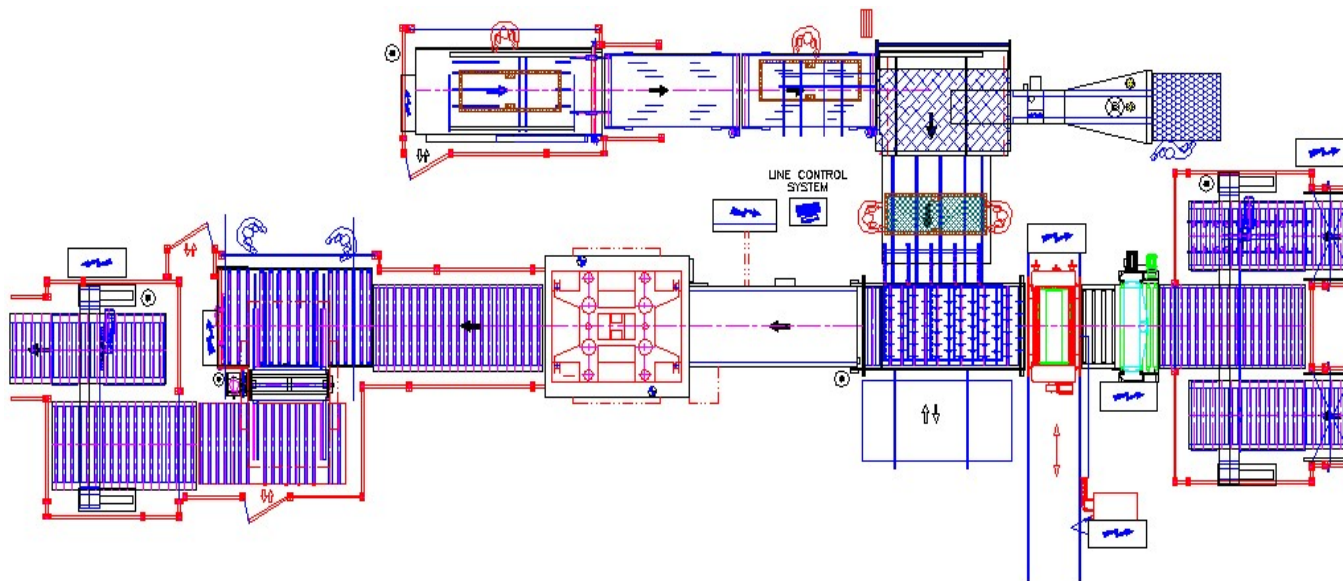
**Finishing of 1.000 doors per shift**

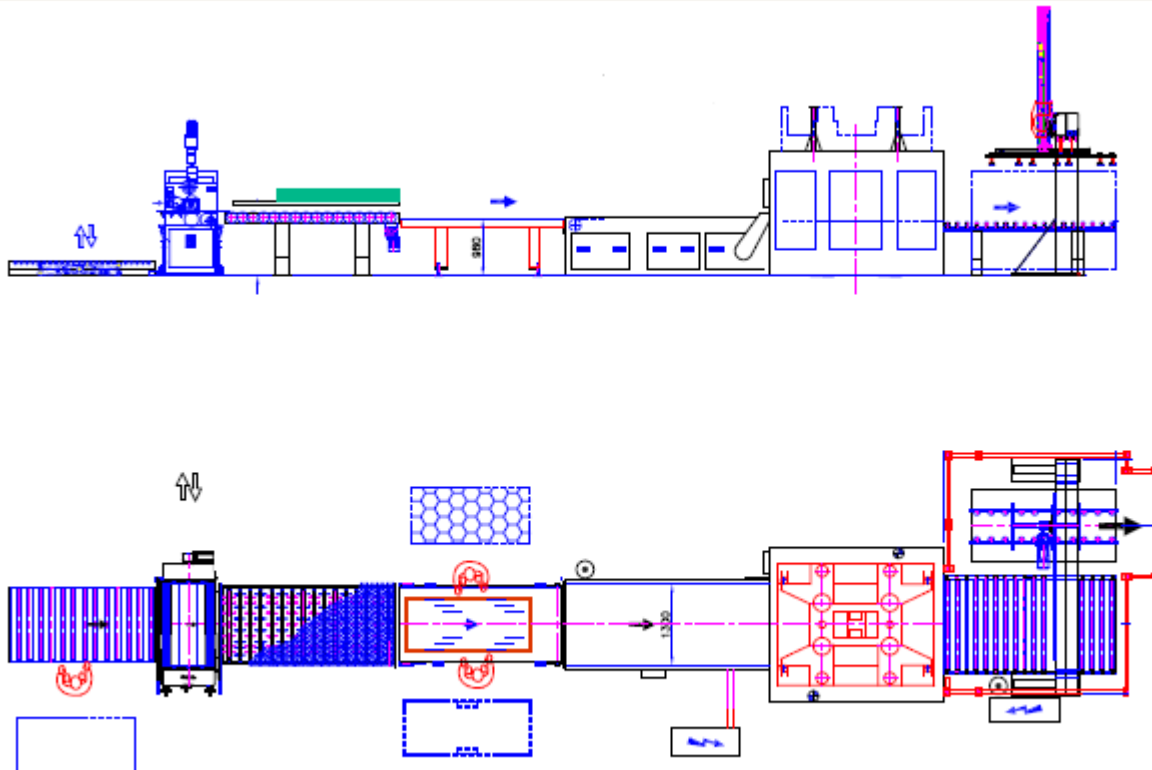
**Press LAS 230 with 10 daylight**

**Composition in line of frames** with honeycomb paper.

**Flexibility in size change** thanks to the stapler GRAFMATIC

**No. 3 OPERATORS** in line + forklift for material infeed (+ 1 for special frames)





## 500 DOORS PER SHIFT

Example of line for the **semi-automatic composition** of 3-layer doors

**Finishing of 800 - 900 doors per shift**

**Press LAS 230 with 5 daylight**

**Contained investment level and automation level**

Frames composition and honeycomb paper cut in another department or in line

**No. 3 OPERATORS** in line + forklift for material infeed



## 300 DOORS PER SHIFT

Example of line for the **semi-automatic composition** of 3-layer doors and **finishing of 700 - 800 doors per shift**

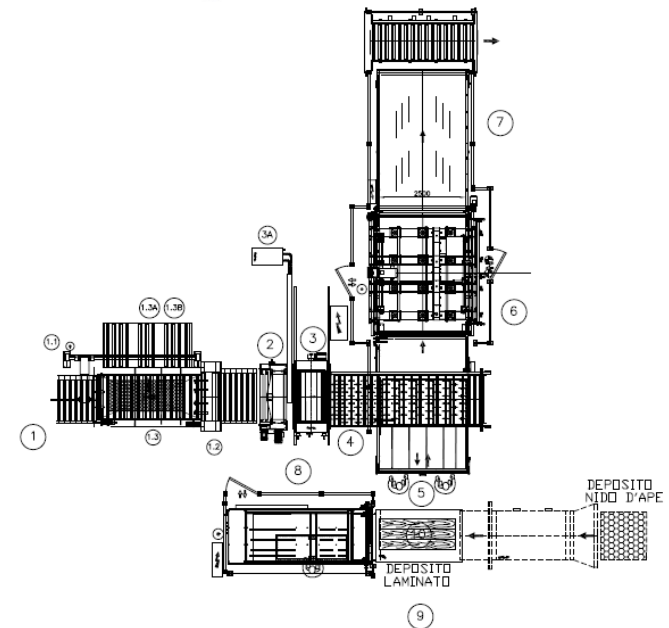
Automatica single-daylight press **MVC 2.500 x 3.000** for no. 3 - 4 doors per cycle

**Composition in line of door frames** with honeycomb paper

**Flexibility in size change** thanks to stapler GRAFMATIC

**Contained investment level and automation level**

**No. 3 OPERATORS** in line + forklift for material infeed







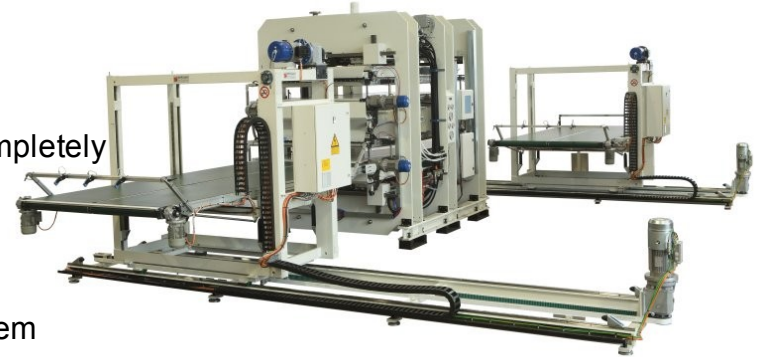
## PRODUCTION OF DOORS and PANELS as “ BATCH 1“

**THE MAXIMUM OF FLEXIBLE PRODUCTION** : continuous production with panels different from one another.

The system foresees two or more **2-DAYLIGHT presses mod. BVC** with completely independent daylight, fed and unloaded in parallel.

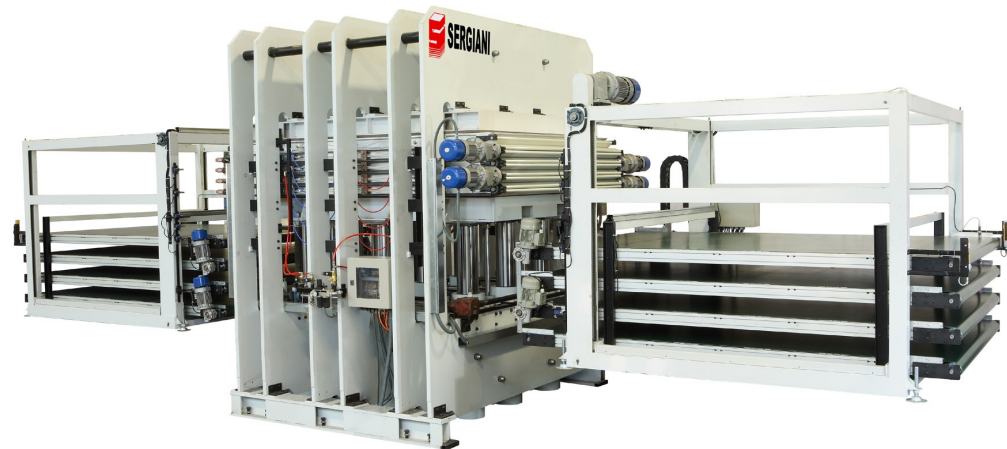
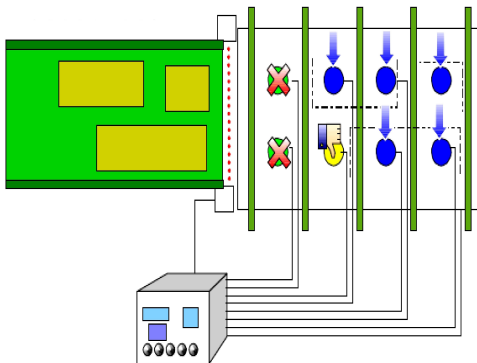
**Continuous change of PRESSURE, of PRESSING TIME and of PLATENS TEMPERATURE** (with dedicated thermal installation).

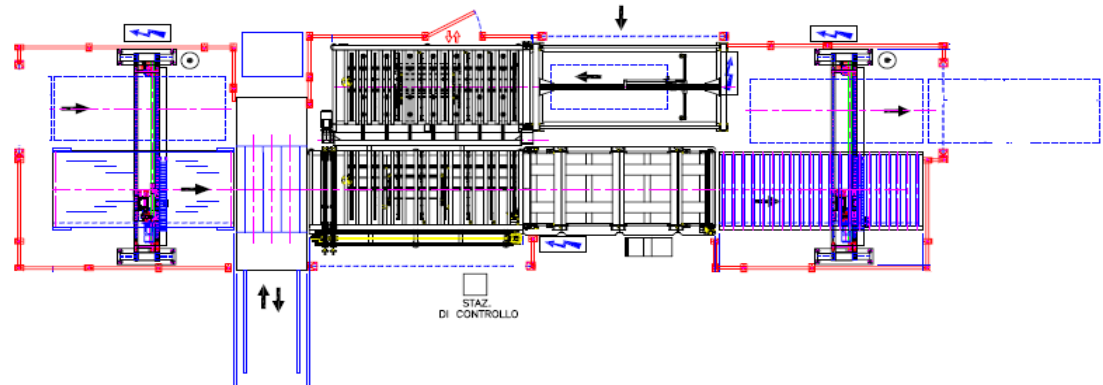
It is also possible a continuous change of **PLATEN COVERING** through system “**EPC**“ **SERGIANI** (Electronic Pressure Control).



The plant can also utilize **multi-daylight presses mod. MLT** in parallel, from 2 up to 6 daylight with simultaneous loading.

### EPC





### 3-LAYER DOORS with "PUR Hot Melt " GLUE

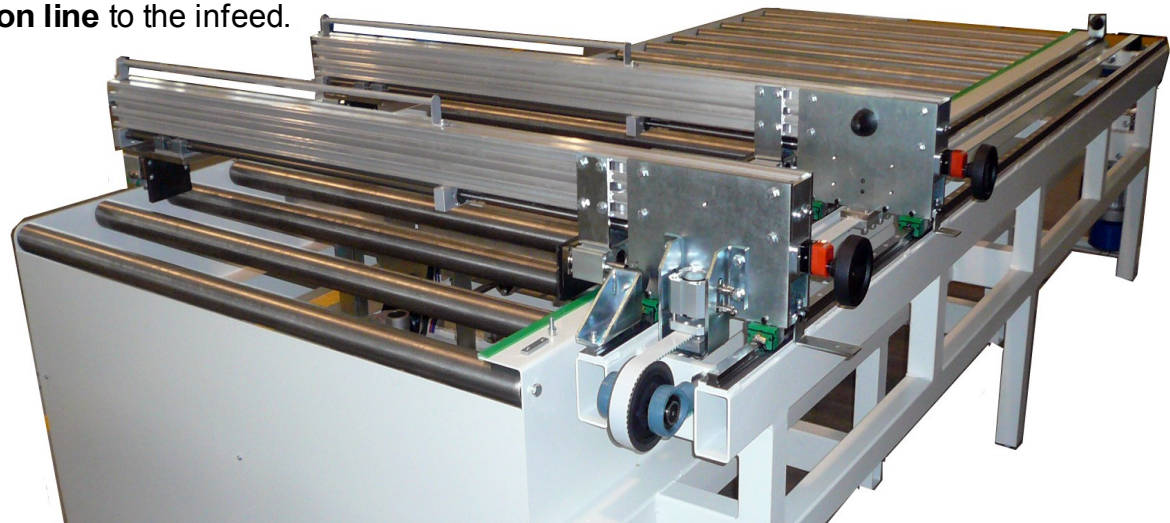
Example of line for the **completely automatic composition without operators.**

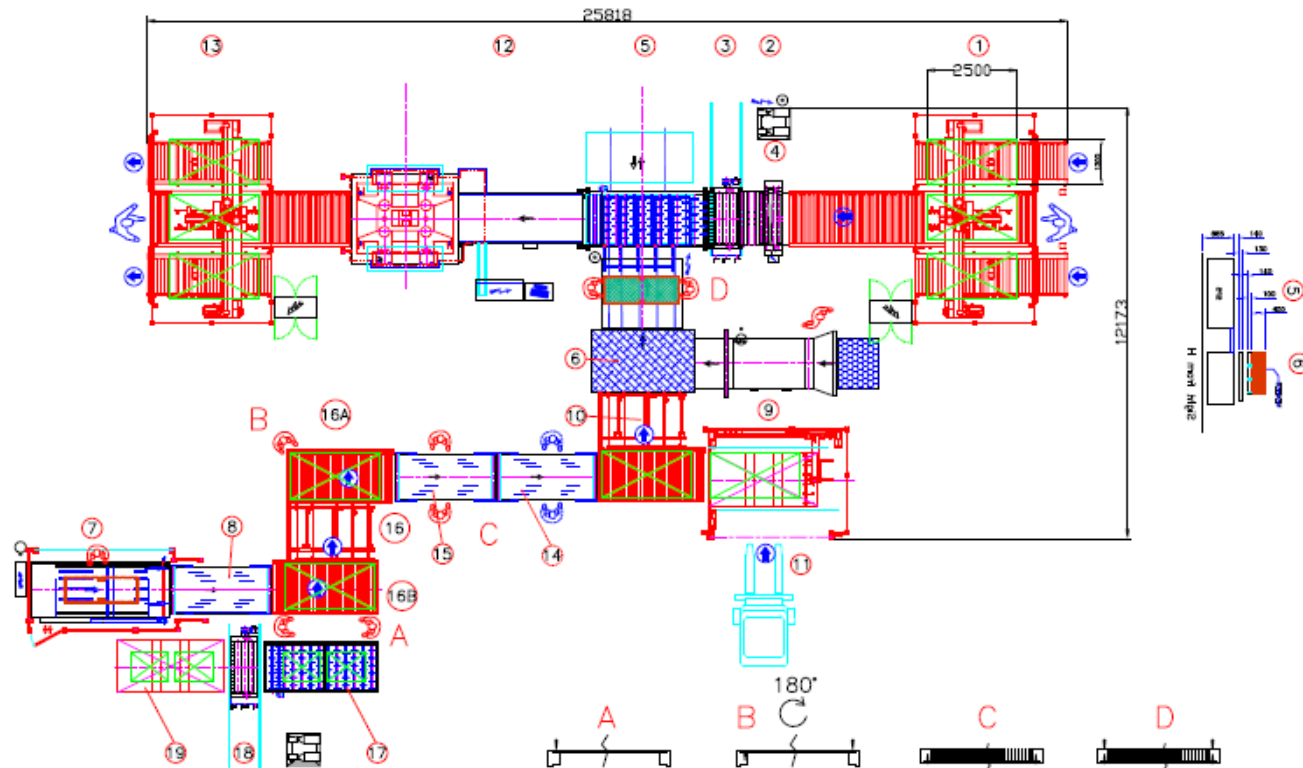
Production of **no. 2 doors per minute.**

**Very contained investment level**

**SINGLE-DAYLIGHT press Mod. GS PUR 3.000 x 1.300** with solid steel platens.

Possibility to connect a **frame production line** to the infeed.





## DOORS WITH SPECIAL CORE

Door frame with **GRIDS** inside or **PANELS** of different type **assembled in line**.



## FRAME LINE GRAFMATIC

**Flexible automatic stapler** for door frames.

It allows the **FAST CHANGE of SIZE**.

**Integration in line** with reduction of costs, logistic and labour.

Precision in staple application and pressure adjustment important for edgbanding phase and door quality



## DOOR COOLING STATIONS

Cooling stations **vertical Mod. GRV** and **horizontal Mod. GRO**

Highly reducing the stabilization stocking of doors fed out of the press.

**HONEYCOMB PAPER EXPANDER, GLUE SPREADERS,  
GLUE AUTOMATIC INFEEED, MIXER  
and BRUSHING MACHINES**

Supplied according to the different exigencies of the plant.





# SCM PREMIUM

## PRESSES GS

**MANUAL COMPOSITION of the DOOR and MANUAL LOADING  
HOT PLATENS and ELECTRONIC CONTROL  
VERSIONS from 1 up to 10 DAYLIGHTS**



## PRESSES GSA

**FOR DOOR FINISHING .  
MANUAL COMPOSITION, AUTOMATIC LOADING  
and MANUAL UNLOADING .**

**“STAND ALONE“ PRESSES NOT INSERTED IN LINE .**

## COLD PRESSES Mod. F and MVF

Pressing of doors in pile. Plants with different automation levels.