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| Address | <b>LISEC COSTRUZIONE MACCHINE ITALIA SRL</b><br>SILEMECCANICA S.R.L<br>VIA AQUILEIA 14<br>31048 OLM DI S. BIAGIO DI CALLALTA(TV) |
| Country | Italy                                                                                                                            |

## PRODUCTS OR MACHINERY

- laminated glass lines - insulating / double glazing lines - horizontal and vertical washer - acidizing glass equipments - loading and unloading systems - moving and stocking systems

### FULLY AUTOMATIC IG LINE WITH ELECTRIC PANELS PRESS

Fully automatic line with industrial PLC, programmed with specific software, that controls the whole line, drives all movements, checks all functions, optimizes working phases and consumptions, to guarantee energy saving; line is studied specifically for architectural glass production with big sizes and thickness (in particular for structural glazing); machine is very strong and heavy.

- Self-diagnosis system, that alerts if there is a trouble and shows precise position of breakage, so troubleshooting is easy and fast.
- Tele-assistance, through modem installed inside board panel, that links machine PLC to personal computers in our factory, in this way we can supply an immediate technical support.
- Washer totally stainless steel made (with thickness 3 mm), external and internal frame.
- Pre-washing section, through high pressure jets, takes off from glass surface a quantity of dirty before brushes action; pre-washing carries out in a section separated by washer body section and by washer brushes (with a individual stainless steel tank); this keeps clean washing machine body to have a perfect washing as time goes by.
- Reference bar section with bar that moves up and down according to glass sizes (checked at the entry of the bed); glass sheet leans only on up and low part, in this way and through neon lamps it's possible to have a perfect cleaning check on glass sheet surface.
- High speed conveyor (after reference bar section) with specific motoreducer and inverter to park glass sheets and to increase productivity (1 panel 0,7 mq/ 30 seconds).
- Automatic panel coupling/pressing section; high quality coupling, with tolerance to the tenth of a millimetre, through air-suction cups system that takes first glass, and through mechanical stop system that makes glass sheets leveling-squaring; high quality pressing through motorized panels press with BRUSHLESS motor, that works with electric power, to guarantee perfect pressing on all glass surface. conds).
- Electrical and electronic compents are SCHNEIDER-TELEMECANIQUE.

### NEW FORCED AIR CONVECTION SYSTEM FOR LAMINATED GLASS LINE

Silemeccanica ([www.silemeccanica.com](http://www.silemeccanica.com)) will be present in the GIMAV area at this year's edition of the glasstec trade fair where it will have a production line for laminated glass of 2,600mm width on show. In exclusive for visitors to glasstec, Silemeccanica will be exhibiting its new hybrid furnaces with convection and infrared irradiation heating system. This evolution, that integrates and implements the company's previous technology (based exclusively on irradiation) is, says Silemeccanica, very useful for the lamination of very large thicknesses, low-E, soft-coated, and reflecting glass. In fact, this hybrid furnace solves the problems regarding the penetration of irradiation, maintaining a uniform temperature in all areas of the furnace, by means of a channelled flow of hot air, generated by special ventilators. Line is specifically studied to laminate tempered glass panels with customized sizes, shapes and kinds (Low-E, reflective, painted glass...) for a mixed production.

Final product tracing system to satisfy the CE marking norms for laminated glass, through specific software that controls production process, which is one of the fundamental requirements, together with the control of raw materials and testing on final products; production process control is carried out by means of temperature readings of the glass at the entrance, exit and inside each furnace, pressing force, temperatur

### Company Profile of **LISEC COSTRUZIONE MACCHINE ITALIA SRL**

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