



## EMAR GLASS WORKING EQUIPMENT

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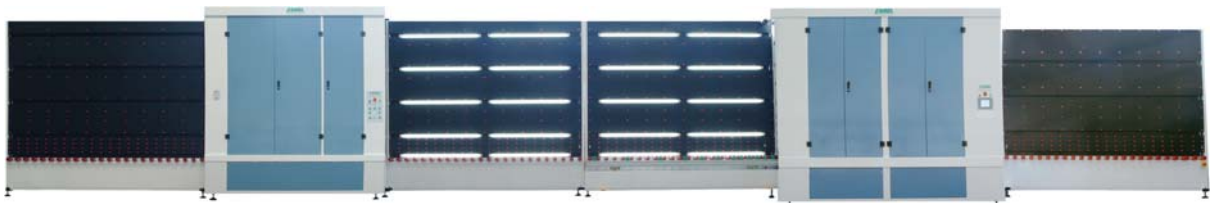
**HALL 15  
 STAND R01**

People to contact at our stand

**Roberto Ronchi** Sales Director: roberto@emar.it  
**Diego Ronchi** Technical Director: diego@emar.it

On promotion at our stand

EMAR based in the area of Milan, northern Italy, has been producing machinery for flat glass since 1990. In 2006, the company set up its new **Solar Division**, for the production of Automatic Lines for photovoltaic and thermal solar panel processing and treatment.



**EMAR**  
 GLASS WORKING EQUIPMENT

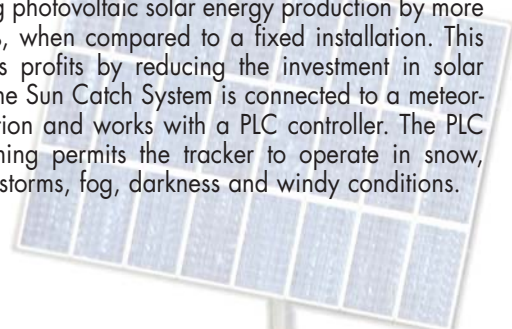
At Vitrum 2009, EMAR will be presenting its new *Automatic Washing Line for Structural Glass* with a washable glass dimension of 2,500mm.

This line is made up of a motorized entry and exit, each of 4,000mm. with clutched, anti-cut vulcollan rollers. The washing body in steel and the basement in stainless steel of 3,500mm, closed on top. The washing group has eight cylindrical brushes in nylon, and three stainless steel tanks with relative recycling pumps for washing and rising, with washing speed from 3 to 10 m/min. adjusted by electronic regulators. The drying blower and fans are sound proofed with "boxaphone" fitted with air filters, and there is an automatic assem-

bling module of 4,000mm with hydraulic frame positioning on the glass for absolute accuracy. Triple glass system is included with automatic measurement of the thickness of the glass panel, with PLC controlled production capacity to optimize work time. The line is also equipped with a panel press of 3,500mm and automatic assembling of the double/triple glass panel, carried out inside the press. Regulation and visualization are guaranteed by means of **EASY TOUCH SYSTEM**, which controls the Structural Glazing.

**EMAR**  
 SOLAR DIVISION

EMAR will also be presenting its complete **LINES FOR PHOTOVOLTAIC PRODUCTION** and the new **SUN CATCH SYSTEM**. The Tracker is capable of increasing photovoltaic solar energy production by more than 35%, when compared to a fixed installation. This maximizes profits by reducing the investment in solar panels. The Sun Catch System is connected to a meteorology station and works with a PLC controller. The PLC programming permits the tracker to operate in snow, electrical storms, fog, darkness and windy conditions.



Range of products

- 10 and 50kg hot-melt extruders • 25- and 200-litre, mono- or bi-component pneumatic extruders, 200-litre hydraulic extruders, • 1, 2.5 and 7kg hydraulic butyl extruders
- Rotating tables for sealing • Vibrating salt loaders • Standard and economical vertical washers
- Horizontal washers in a range of sizes • Semi-automatic and automatic lines for insulating glass with roller and panel presses • Automatic machines for straight-line and shaped cutting
- Raw materials for processing insulating glass • Automatic profile bending machines
- Automatic Injection salts loader machine • Complete Lines for Photovoltaic Production
- Horizontal washers for coating glass • Sun Catch System • Complete Solar Plants