

# FOUR WOMEN AND FOUR COMPANIES BEHIND PROJECT 4X4.0

## Be fast connected in Glass Processing

Triulzi, Cugher, Iocco e Mappi are the four members this industrial partnership

### 4x4.0 PROJECT

 100% made in Italy

**F**or the first time ever the world glass processing market has a single entity which can guarantee delivery of a completely automatic smart glass processing line by integrating the various areas of competence and related production chains of the four partner companies.

The driving force of the 4X4.0 project is the sharing of the fundamental driver strategies which have guided the production of the four companies up to now:

- **SMART INNOVATION:** the constant use of highly digitizable highly reliable innovative cutting edge solutions in R&D;
- **PERFORMANCE:** the construction of plant and machinery which can assure the highest quality finished product while at the same time optimizing the production cycle in terms of energy and time consumed;
- **CUSTOMER CARE:** the consolidation of our customer



relationship on the specific needs of actual glass producers and the ability to anticipate these needs. Triulzi Cesare Special Equipments Srl produces vertical and horizontal washing and drying machines for flat and curved glass, windshield powder coating systems, ultrasonic cavitation washing systems, lines for treatment of laminated, insulated, etched, or fire-resistant glass. Cugher designs and builds machinery for screen printing flat glass. Cugher systems can also include automated control of the printing, monitoring of glass and printing quality, visualization, material handling and stock control processes. Iocco produces automated turnkey plant (from initial consultation to commissioning) for added value operations, lamination, bag and ring furnaces, as well

as various automated processes using robots, artificial vision monitoring and specific handling systems for flat and curved glass in the Automotive, Home Appliance e Float glass fields. Mappi International was established in 1993 and is currently a leading manufacturer of flat glass tempering furnaces. Its products are safe and reliable and they have become true standard bearers of the Made in Italy movement. In line with Piano Industria 4.0, (a series of financial and fiscal provisions have been activated for the benefit of Italian Industry approved by the latest Italian budget) the four companies have combined their forces to launch a product in conformity with the technological production trend the industrial plan was intended to foster. The occasion chosen for the launch of the new prod-

uct was Vitrum 2017, the international fair to be held at Rho Fiera, Milan from 3rd to 6th October which brings together all the major players of the glass world. A shared exhibition area of 750 m2 will enable the four companies to show visitors how the partners' various technologies combine seamlessly to produce a single line to complete all phases of tempering, printing and washing glass. The concept which guided the company strategies of the four partners in generating synergy in this way is the Smart Factory: the four firms have always had in their DNA a driving interest in optimizing their production processes together with an enhanced ability in digitizing the same; they created the conditions where their technological paths were combined to produce a shared vision and project. **Project 4X4.0**

**- Be fast connected with glass processing** combines the specific technology of each partner firm into a single integrated whole. The glass processing world can now have access to a complete line to temper, screen print and wash glass whose performance exceeds that of any combination of machines optimized for the various separate phases on a single line.

**Mariella Triulzi**, sales manager of Triulzi Cesare Special Equipments, Srl, commented on the impact of the initiative: "One more opportunity for the Milan Fair to showcase the uniqueness of the Made in Italy label and to demonstrate Italian competence in the field of automation of mechanical engineering. The production line on display at the Fair will show integrated control of highly reliable industrial machinery capable of monitoring the production cycle to optimize workflow and minimize downtime".





**Nancy Mammaro**, CEO of Mappi International, says: “Our innovative stand will underline the actual flexibility which our company can provide not only for our customers but also for suppliers who are focused on the future. At Vitrum we will be showing a stocked material supplied line with intelligent machines and technol-

ogy which will enable them to communicate among themselves, as envisaged by the Industria 4.0 protocol. Mappi will be displaying the Fox series: a line fully up-and-running. Visitors will also see the latest products in the Mappi catalogue”.

**Barbara Mazza**, General Manager of Cugher Glass,

illustrates the benefits generated by the synergy of the four companies: “This project represents the entrepreneurial will to grow and structure our companies in a highly competitive international context. We can win together by focusing on technological evolution, synergy, listening to the

customer. The benefits will be tangible: to live a full line of production in operation, from washing to tempering, to look closely at the machines and to understand the best operation and benefits. There are many skills in a shared space: machinery, production, technology, quality, information”.





**Alessandra Petrucci**, CEO of IOCCO, highlights the importance of innovation and the significance of the 4x4.0 project: “Companies that have achieved the best results in recent years are those who have quickly adopted and transposed the industry standard 4.0 by adapting production systems, applying new op-

erating procedures, going on complex but vital routes for competitive ends. For this reason, the industrial policy efforts today are aimed at the spread and application of innovation. The 4x4.0 Project is born from the synthesis of a shared management vision, from the capabilities of a state-of-the-art team that

can interface their technology know-how, providing customers with outstanding results in the Smart factory optics. A Vitrum 2017 KUKA robot with

Cognex vision system will perform the Pick & Place operation by connecting the Cugher screenprinting line with the Mappi hardening oven.”



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