# QUALITY AND DEDICATION TO THE GLASS PROCESSING INDUSTRY WORLDWIDE SINCE 1941





### Who We Are.

- > Multinational Group that operated on global scale since 1941 driven by the founder's Family focus on long-term planning, ensured by continuity in management
- > The only chemical company worldwide fully dedicated to the glass industry
- > The only group that can propose any solutions for the mirrors, IG units production and deco glass adapting to any technology used in the market





Leader in chemicals for the glass processing industry.

## **Our Vision:**

> To be a reference point for the glass industry representing an excellence for innovation and sustainability.

## **Our Mission:**

- > To create and offer the most innovative solutions and the widest range of products used in the glass industry for the production of mirrors, IG units and deco glasses for many different application fields.
- > We focus on finding the perfect balance between innovation, quality, competitiveness and efficiency in order to improve with our products the comfort and well-being of people while respecting the lowest environmental impact.





## Our History. More than 80 years dedicated to the glass industry.

Otello Fenzi creates Fenzi Accessori Vetrari in Milan. Production of mirror-backing paints and glass accessories	Founding headquarter In Tribiano (Milan) and international developments of the company accelerates. 1972		Creation of Alu Pro for spacer bars for IG units and being s complete partner for the glass industry 1992		New development and new product lines: Tempver ceramic enamels		Over 500.000 sealed units manufactured every day with Fenzi Products		Official Founding of Fenzi Polska		Partnership with Arsenal Capital Partners. The Group accelerate the growth of the company	
<b>1968</b> First appearance in international trade show in Paris and <b>start</b> <b>exports to</b> <b>foreign</b> <b>countries</b>		Duralux i best know mirror-bac paints in t and the p range is e with lead	<b>1980s</b> <b>Duralux is the</b> <b>best known</b> mirror-backing paints in the world and the product range is enriched with <b>lead profiles</b> <b>and IG sealants</b>		<b>1996</b> Fenzi South America starts commercial activities in Argentina		2000s New plants worldwide: Rolltech Alu Pro Polska Fenzi North America Fenzi Belgium Fenzi China Fenzi Russia Alu Pro Russia		o with the d in <b>nting</b>	<b>2019</b> <b>Thermix TX Pro</b> business unit acquisition. Fenzi Group can provide the widest range of warm edge spacers in the market		<b>2022</b> AGT Advanced Glass Technologies - global provider of special glass enamels and precious metal pastes - acquisition.





# **BUSINESS UNITS**

The Group focuses on 5 major areas:

Components for Insulating Glass Mirror-backing paints and Silvering solutions Ceramic and organic decorative paints AGT Advanced Glass Technologies Digital Printers [Special partnership with Tecglass]



### **Our key markets**

#### Nautical



#### Automotive & Railways



Industrial Refrigeration

**Antifire Windows** 



Commercial & Residential Constructions



#### Architecture



# Interior Design & Furniture



**Hollow Glass** 



Home Appliance

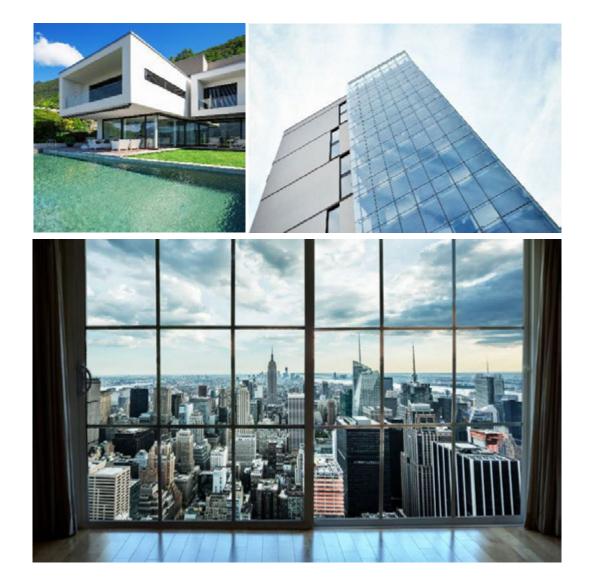


Electronics & Passive Components











- > Polysulphide, butyl, hot-melt and polyurethane sealants; aluminum spacers, warm edge spacers made of steel, stainless steel, and combined steel and special plastic materials.
- > All the components needed to produce high performance IG units, available any time and in any part of the world.





# Sealants for IG Units.

> Primary Sealant - Butylver

#### > Secondary Sealants

- PS -> Thiover
- PU -> Poliver/Purseal
- Hotmelt -> Hotver
- > Molecurar Sieves
  - Molver
- > Advanced Warm Edge System
  - Butylver TPS [ThermoPlasticSpacer]
  - Butylver TPS AF [Fire Resistant]



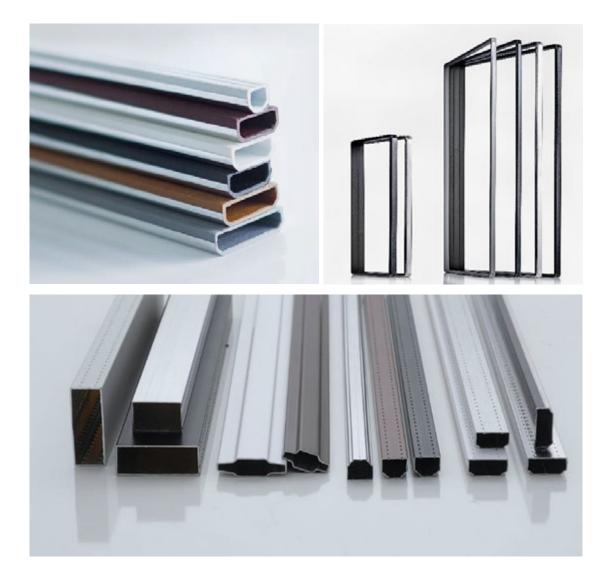


# **Spacers for IG units.**

### > Traditional Spacer

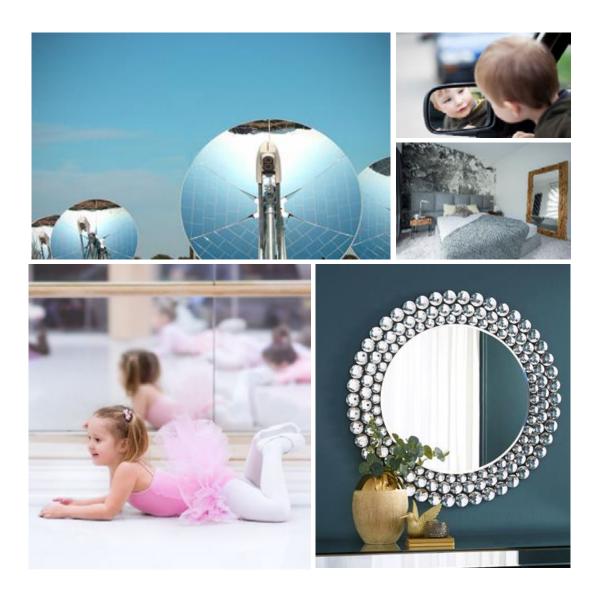
- Aluminium
- Painted
- Anodized
- Galvanized steel -> Ferrotech
- > Warm Edge Technologies
  - Stainless Steel -> Chromatech, Chromatech plus
  - Hybrid -> Chromatech Ultra F and S Thermix
  - Special Plastic -> Multitech











# 2. Mirror-backing paints And Silvering Solutions

> A unique set of products to cover the entire mirror production cycle, in several versions, from the most traditional to sophisticated copper-free and zero-lead technologies.

> Fenzi produces also high chemical resistance paints for solar mirrors.





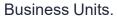
Paints and chemicals.

- > Solvent based paints for copper and copper-free mirrors
  - Duralux
  - Available in the low-lead - Silverlux and lead-free versions.
- > Ultra durable 2-component mirror coating - Duralux 2020
- > Water based Mirror Backing Paints - Duralux Water Based
- Solar Mirror Backing Paints for copper and copper-free > solar mirrors
  - Duralux Solar Coatings
- > All type of Silvering Solutions for copper and copper-free mirrors
  - Luxver





**Business Units.** 







# **3.** Ceramic and organic decorative paints

> Tempver range of glass enamels for screenprinting, enameling and satin-finishing glass.

> Decover range of organic paints for cold application, in two different types: organic solvent paints and water-based paints.







## **Decorative enamels and paints.**

#### > Ceramic Glass enamels

- Tempver Range 39 [Architecture]
- Tempver Range 3401 [Interior Design]
- Tempver New Generation M [Appliance]
- Tempver Automotive
- Tempver HG [Hollow Glass]

### > Decorative Paints for cold application

- Decover [solvent-based products]: Glassolux - Sandolux - Pearlux
- Aquaglass [water-based product]
- AquaglassXpack [Hollow Glass]





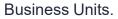


# 4. AGT Advanced Glass Technologies

> A complete range of automotive black obscuration enamels, Conductive silver pastes, Functional coatings, Precious metal inks, Corrosion resistant components, Enamels.

> Developed by AGT Advanced Glass Technologies – the global provider of cutting edge solutions, now part of the Fenzi Group.



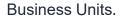




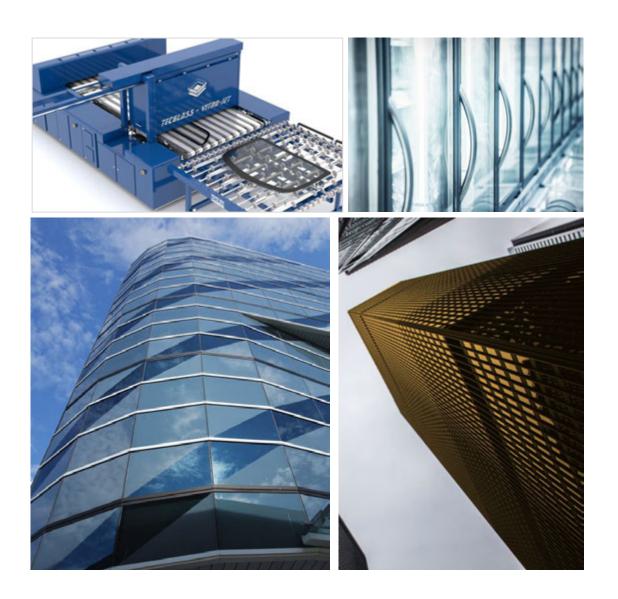
# **Special glass enamels and precious** metal pastes

- Laminating enamels, tempering enamels, silver paste for > automotive
- Appliance & architectural enamels >
- Glass enamels for bottles >
- Technical glass solutions (Sealing glasses, Functional > coatings, etc.)
- Precious metal inks for brushing, decal, direct screening, > machine banding, thermoplastic printing, tiles
- > Specialties for electronic industry (silver powders & flakes, printed electronic inks, silver salts, etc.)



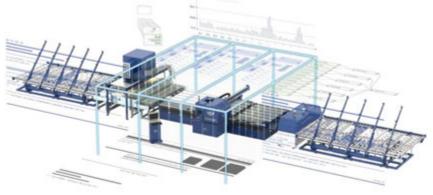






# 5. Inkjet printers and ceramic inks

> Thanks to a special partnership with Tecglass, worldwide key player in printing technologies, the Group offers a complete range of machinery and ceramic inks for digital printing on flat glass.





# **Digital printing technologies.**

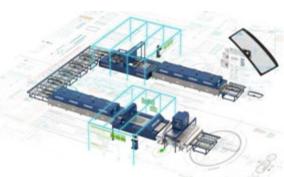
### > Digital printers

- Turnkey Solutions for any kind of application in architecture, automotive, commercial refrigeration, home appliance.

### > Line components & Tools

- washing machine, clean room, infrared dryer, scanner
- All equipment manufactured In-House.
- Design software and tools













> Inks





JET VER

**Digital printing ceramic inks.** 



- Jetver range: ceramic inks compatible with



every modern technology in all the application sectors.









JETVER



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# A WORLDWIDE PRESENCE

With various production plants that also function as distribution centers, as well as a tightknit network of agents and distributors, coverage is almost total.



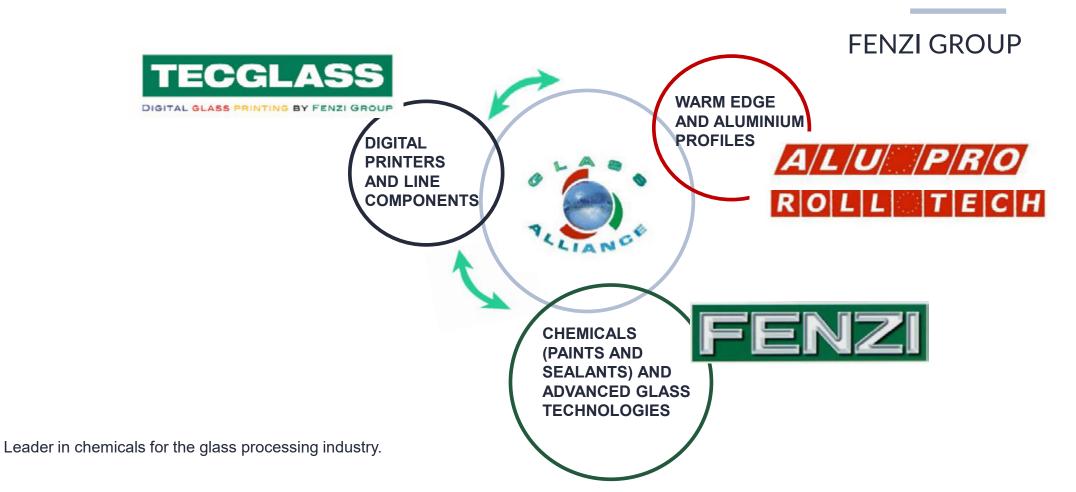
A worldwide presence.



A worldwide presence.



### A privately-owned group, entirely dedicated to its customers





# Creating well-being while protecting the environment.

> Fenzi aims at minimizing the environmental impact of its products, always selecting the most eco-friendly alternatives to achieve sustainable development objectives.







# THE FENZI GROUP BY THE NUMBERS

Positive Results since its creation.





# Positive results since its creation.

# Over 1100 EMPLOYEES

# 500 mln € SALES

# **#1** IN THE WORLD FOR

- > mirror backing paints
- > polysulphide IG sealants
- industrial decorative paints for architectural glass
- > precious metal pastes
- > digital printing technologies





### What our customers like about us

- > Flexibility
- > Outstanding Technical Customer Support
- > Talent for a cooperative business
- > Products reliability
- > A long experience In specialty chemicals and technical glass solutions.

# THANK YOU FOR YOUR ATTENTION

