

PERFORMANCES DRIVING to the FUTURE

when excellence is needed

for Building & Interior Design Glass



ARCHITECTURAL **LAB**
Performing Glass Technology

Customized plants and machinery
for **building and interior design**
made of flat glass

CUGHER

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WHO

WE ARE

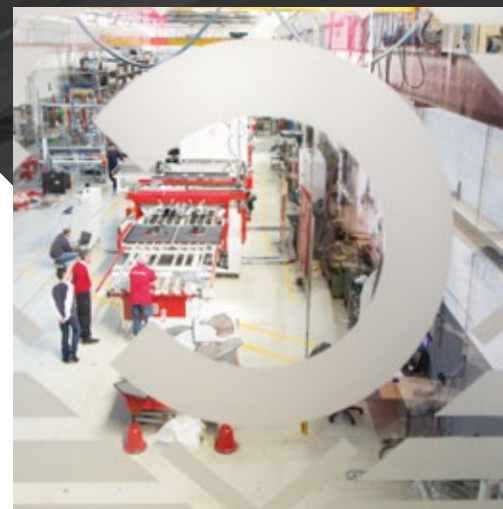


PERFORMANCES DRIVING to the FUTURE

With Cugher
looking to the future since 1967

Cugher plants have been among the first in the world to automate the process of silk-screen printing on flat glass.

That's why **choosing a Cugher's plant or machinery means thinking ahead**: because the continuous research that characterizes each project allows the company to develop and implement always **cutting-edge technologies made to last over time**.



WHO

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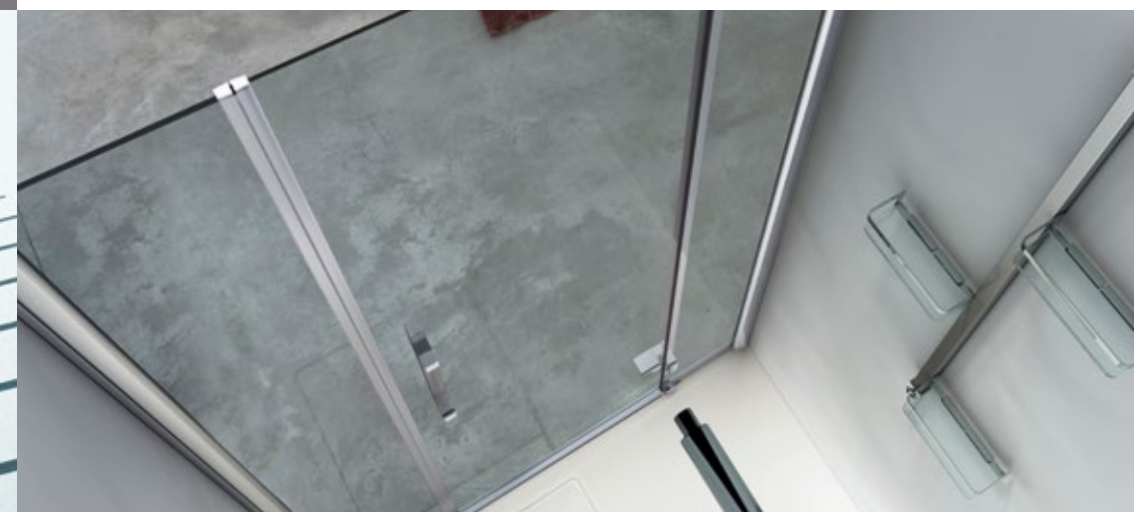
Since the 2000's Cugher core business is the realization of plants for the **automotive** sector. A **flexible engineering approach** and the great attention to the customization of projects have made the company an excellence player recognized **at global level**.

Today the same approach is the basis of **Cugher Building&Interior Design** division, which gives life to **tailor-made solutions for silk-screen printing and handling on float, tempered, laminated glasses**, with civil and industrial applications that go from windows and balconies to furnishing elements and shower enclosures.



ARCHITECTURAL LAB
Performing Glass Technology

Automotive | Home appliance | Building & Interior Design



Specific solutions for every glass typology that covers the entire productive process

Cugher machinery and plants follow **all the production phases**, starting immediately after the cutting and washing of glass sheets, up to the phases preceding tempering and bending processes.

Cugher software is integrated with control systems to allow the **immediate data exchange and the production monitoring**.

There are no standard solutions: every Cugher project draws on all the **know-how** of **technical** team and production department to give birth only to **Customer-oriented solution**.

Cugher Building&Interior Design plants and machinery

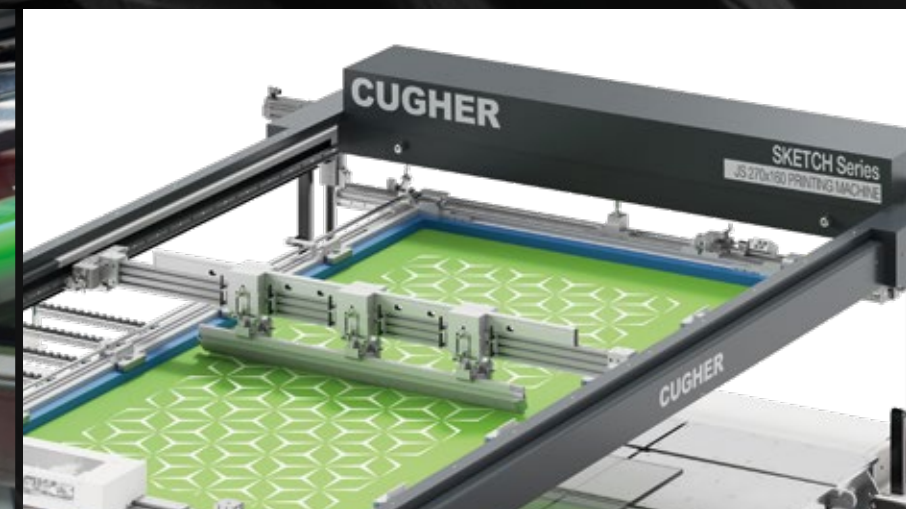
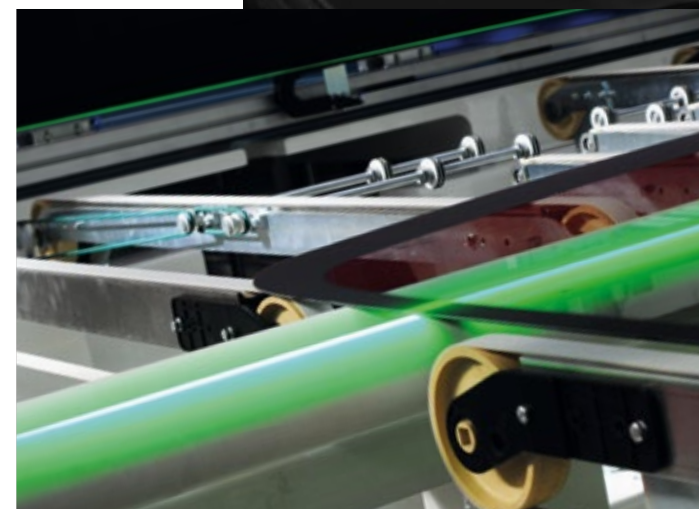
efficiency, precision and long life with very little maintenance

- Research & Development
- Flexible engineering
- Reliability
- In house realization
- Tailored configuration
- High precision
- Various formats
- Industry 4.0



EXTRA-CUSTOMIZATION

- Printing machines
- Dryers
- Handling
- Vision systems
- Complete productive lines





Cugher

ARCHITECTURAL LAB

Performing Glass Technology

The specialized division for building, furnishings and design solutions in flat glass

The **competence** and the **know-how** of Cugher automotive division are made available for the **building** industry in the Architectural Lab: the company has developed a **research center highly specialized** in the creation of specific solutions for the building and interior design sector.

Cugher
Know-how &
reliability

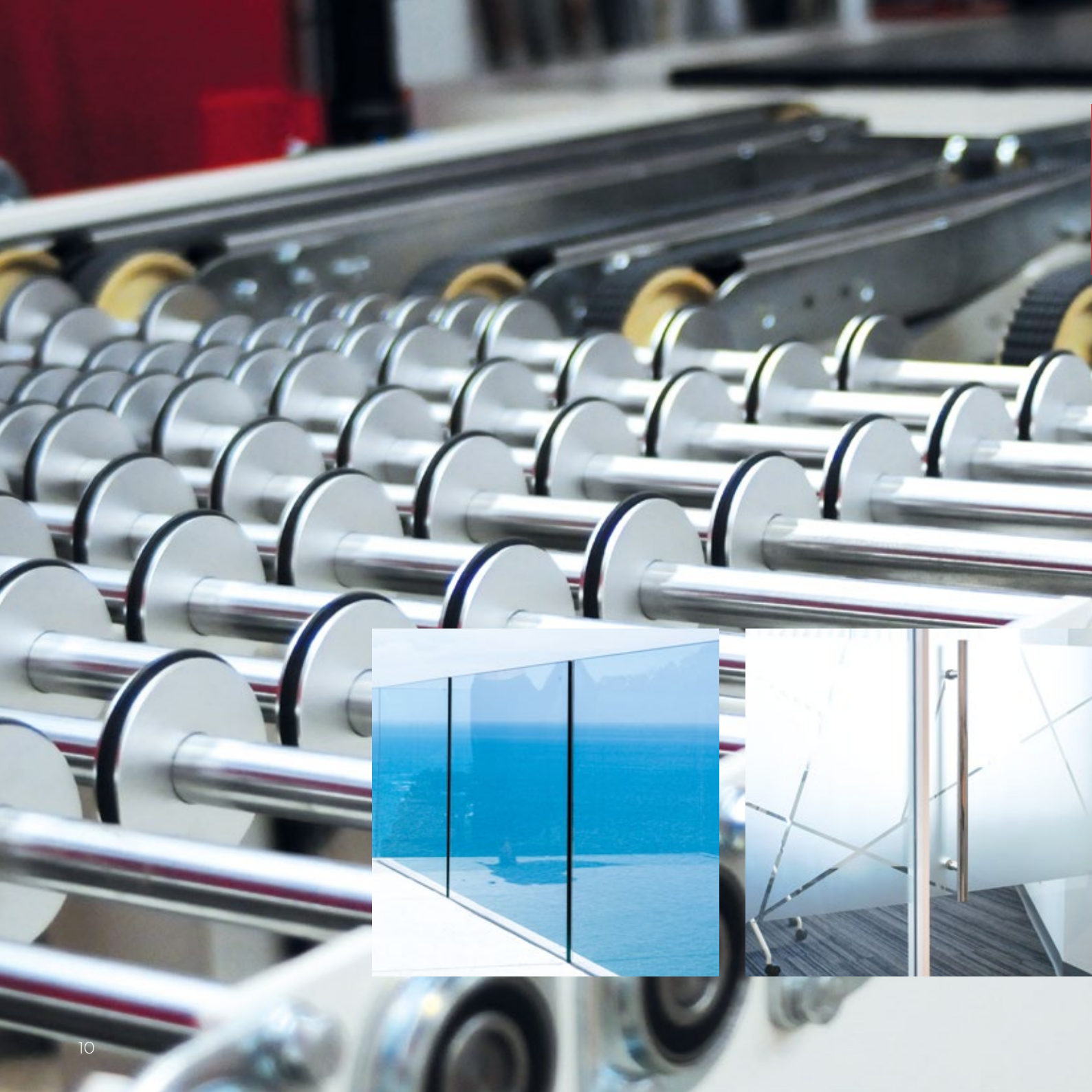
+

R&D specialized in
Building&Interior
Design

=

Long-term
customized
solutions with very
high precision





Cugher Architectural LAB

In the Cugher Architectural Lab the engineering approach is integrated with the specific knowledge of civil and industrial applications, creating latest generation machinery and plants, but also complete productive lines for flat glass.

- Silk-screen printing
- Handling
- Drying of digital and screen printing
- Quality control



**APPLICATIONS
ON FLAT GLASS**

- Balconies
- Stained glass windows
- Shower enclosures
- Furnishing



Which Cugher's solution is right for you? **Let's find out together!**

Cugher is not a simple machine builder, but a company that realizes **tailor-made solutions**.

For this reason, every Cugher's project comes from a **deep analysis of Customer's needs**, to translate its uniqueness in a custom-made solution.

Testing Cugher's quality is simple! Just ask for CUGHER OPPORTUNITY CHECK

A **FREE** study of the technical needs and peculiarity of the company, that allows Cugher's technicians to elaborate the most advantageous solution for the Customer in terms of productivity and costs.

Each Cugher's machinery and plant for building and interior design sector guarantees:

- Minimal maintenance: no risk of machine downtime
- Ease of use
- Long duration in time
- Precision and efficiency
- Software included and ready to work
- Industry 4.0: compatibility with Customer's operating system
- After-sales service with specialized Help Desk



Silk-screen Printing Machines

To print on flat glass for shower enclosures, balconies, glass windows.

- **Ease of use and fast set-up**
- **Reliability and long durability**
- **EXTRA print quality:** excellent image definition, print repeatability with deviation of +/- 0,08 between one print and another, Uniformity of the ink over the entire surface of the glass (i.e. 25 µm +/- 5%)

Sketch Series

Glass dimensions: min 660x550 mm (25,98"x21,65"), max 2700x1600 mm (106,29"x62,99")

- Ideal for printing shower enclosures
- Frame usable for several glass dimensions and movable to obtain a personalized print
- Completely stand-alone machine and ready for in line operations

J Series

Long Edge Leading LEL, glass dimensions:

- Minimum machine model J160x100: min 400x300 mm (15,74"x11,81"), max 1600x1000 mm (62,99"x39,37")
- Maximum machine model J250x200: min 1000x500 mm (39,37"x19,68"), max 2500x2000 mm (98,42"x78,74")

Short Edge Leading SEL, glass dimensions:

- Minimum machine model J130x215: min 300x400 mm (11,81"x15,74"), max 1300x2150 mm (51,18"x84,64")
- Maximum machine model J250x400: min 600x1000 mm (23,62"x39,37"), max 2500x4000 mm (98,42"x157,48")
 - Ideal for large format glasses
 - Extractable screen and no need of position re-registering
 - High productivity



BUILDING & INTERIOR DESIGN
RANGE CUGHER



Handling

Machinery for transportation and stacking of flat glasses.

- **For any dimension and shape**
- **Movement in all directions**
- **Maximum structural safety and solidity**

Automated harps rack system

- Automatic movement for the insertion of glasses in the insulating glass line
- Eliminates the manual loading activity

Conveyors

Belt or roller, loading and unloading

- For any glass dimension
- Integrated and synchronized solutions with all line components inside the plant
- Minimum contact surface to not ruin the glass but at the same time maximum grip

IR and UV Dryers

For silk-screen and digital printing

- Modular dryers according to the Customer's needs
- Ideal both for drying silk-screen printing (ink thickness 20-30 micron) and digital printing (ink thickness 60-100 micron)
- Recirculation controlled by inverter: the speed of the air is adjusted according to the characteristics of the ink



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Vision Systems

For quality control and broken screen detection

- Quality control ensures a precise final result (resolution up to 60µm)
- Detection of smears, missing part of the design, excess of ink
- Lighting alternate system to individuate also imperceptible defects
- Sensitivity adaptable to different areas of the glass



Order manager 4.0

Interface between machinery and Customer's operating system

- Perfectly consistent with industry 4.0
- Greater flexibility, small batch production at large scale costs
- Higher productivity, minor set-up times, reduced errors and machine downtime
- Better quality and less waste thanks to sensors that monitor production in real time and automatic vision systems



Do you need assistance?

No problem with Cugher Help Desk

Cugher created a **new after-sales service** reserved to all Customers to guarantee a **continuous presence** and a **specialized intervention** in case of any type of unexpected event on machinery and plants.

Cugher Help Desk ensures the best possible solution in short time thanks to a dedicated team of expert technicians.

- Dedicated phone number for remote assistance
- Hot line from Monday to Saturday from 7.00 to 24.00
- Assistance on-site, if needed
- Ticketing system that collects all the support requests
- Dedicated Customer's portal to track the progress through the dialogue with the technical team

Photos courtesy of



Request your **OPPORTUNITY CHECK**

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