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PRESENTATION

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CUGHER
Plants and machinery customer oriented

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PRESENTATION

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For more than 50 years, Cugher has specialised in the **study, design and production of systems and machinery for flat glass**.

The company was among the first to automate the screen printing process on glass, and its cutting-edge approach which involves carefully listening to the client, has guided every Cugher project for years, leading it to become an international forerunner as a producer of **highly customised glass technology** in various manufacturing industries.

A LONG HISTORY OF VALUE



Engineering excellence and innovation are embedded in the company's DNA.

World-class player
of excellence



- Reliable solutions
- Shared expertise
- Performance and quality of product and service
- Innovation and customisation

Always looking towards the future

Constant investment in research and development and a flexible engineering approach allow Cugher to offer high-performance solutions, always in line with client and market demands.

Thanks to its collaboration with major glass manufacturers, the company continuously builds on its capacity to accommodate all production needs, often anticipating them.

The development of reliable solutions and future-oriented performance standards are the driving force for the continuous improvement of Cugher solutions.

- Research & Development
- Flexible engineering
- Reliability
- High performance
- Listening to the client
- Extra-customisation



- Printing machines
- Dryers
- Handling
- Vision systems
- Complete screen printing lines

Specialised consulting

There is no such thing as a standard solution for Cugher. Each project requires its own analysis of the unique specifications and complete attention of the technical and sales team to fully satisfy each client's production needs.

Each stage of the project is carefully monitored and requires a continuous exchange of information between the Cugher design team and the client with the aim of developing integrated, automated, and efficient solutions.

Cugher is not a simple supplier of machinery and systems, but rather a long-term partner and reliable consultant, right from the initial analysis of the various problems through to the development of alternative and customised solutions, providing constant support on the production line to ensure superior performance, always.

To assess Cugher's skills, simply request a free, no-obligation **SPECIALISED CONSULTATION**. Following an analysis of the technical requirements, the most beneficial solution in terms of **production and cost** will be prepared for the client.

THE CUGHER METHOD

Identification of specifications



Exchange of knowledge



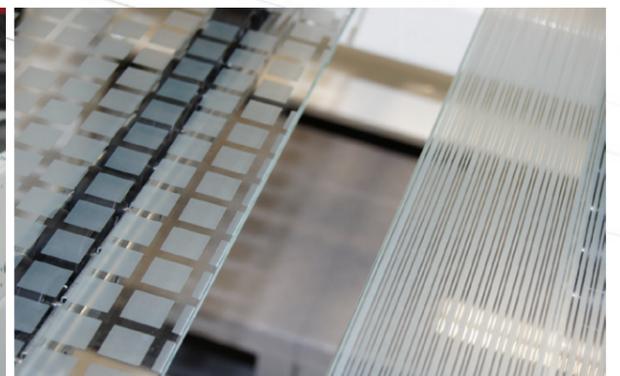
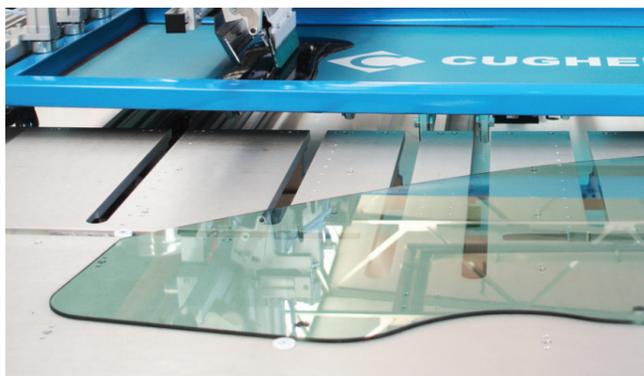
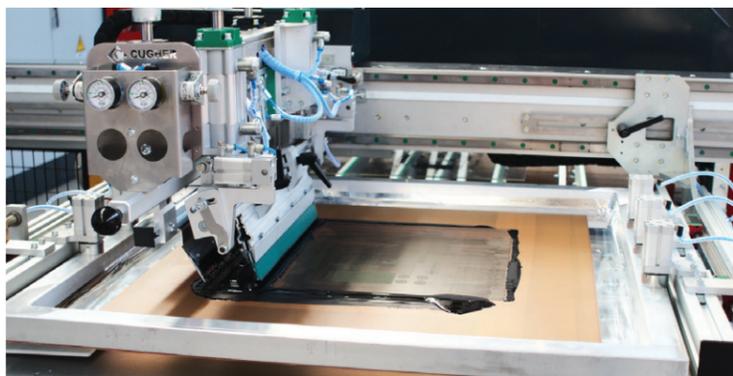
Development of layout



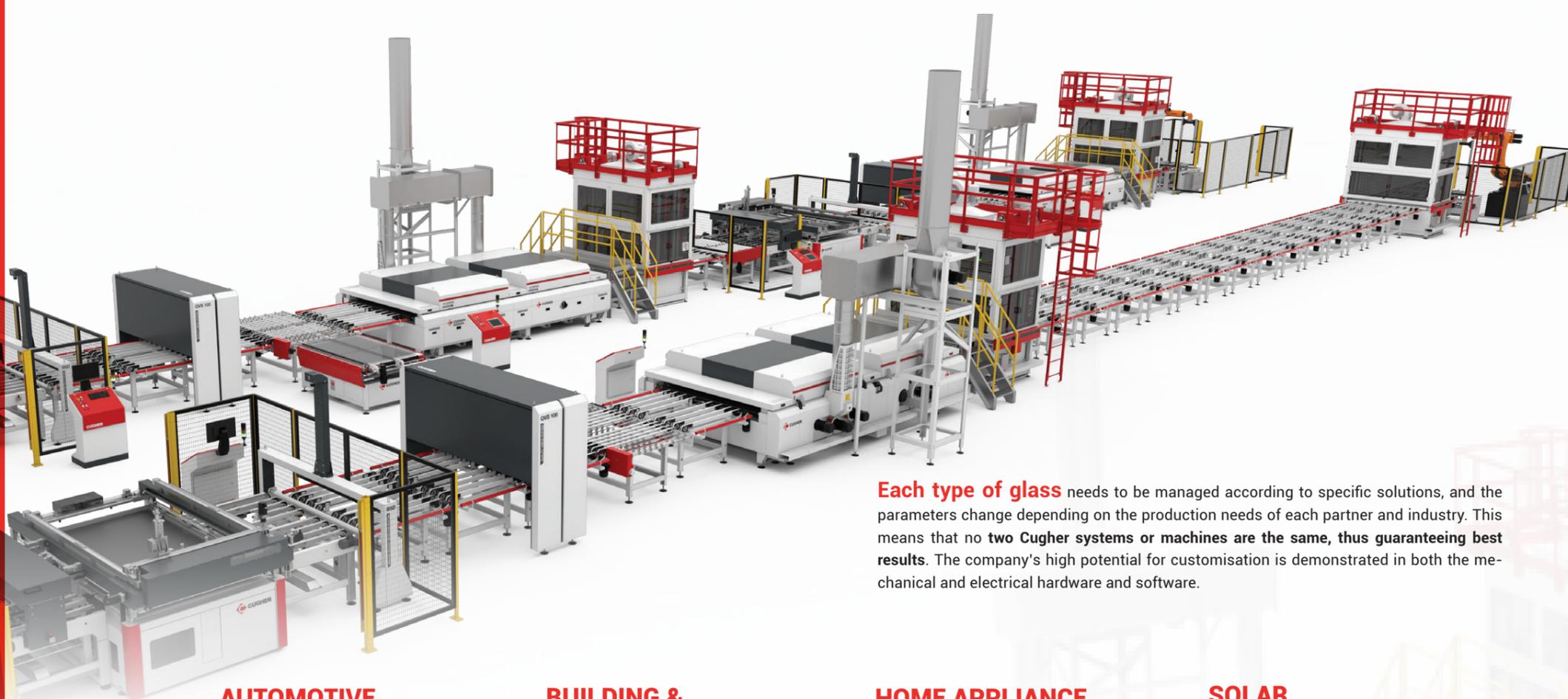
Examination and changes



Final solution



SPECIFIC SOLUTIONS FOR EVERY INDUSTRY



Each type of glass needs to be managed according to specific solutions, and the parameters change depending on the production needs of each partner and industry. This means that no two Cugher systems or machines are the same, thus guaranteeing best results. The company's high potential for customisation is demonstrated in both the mechanical and electrical hardware and software.

AUTOMOTIVE

Screen printing lines for automotive glass manufacturers has forever been the company's **core business**. Cugher's experience allows the development of solutions that guarantee the management of **large production batches** for both **tempered and laminated glass**, ensuring:

- High productivity
- Excellent image definition
- Print repeatability +/- 0.08 mm
- Fast and easy machine tooling and format changes

BUILDING & INTERIOR DESIGN

Backed by the experience and knowledge of the experts at **Architectural LAB**, a genuine centre of research in the building and interior design industry, Cugher provides **tailor-made** solutions for screen printing and handling of **float, tempered and laminated glass**, with civil and industrial applications ranging from windows and balconies to furniture accessories and shower enclosures, **reaching formats up to 3x6 m**.

HOME APPLIANCE

High performance solutions for an industry where **fast processing** is essential: screen printing on stiff surfaces and flat glass for home appliances (hobs and ovens), flat screens and special applications.

Fast and simple format changes are guaranteed by a self-learning system that memorises formats, allowing all operations to be carried out by a single operator, on both small and large surfaces.

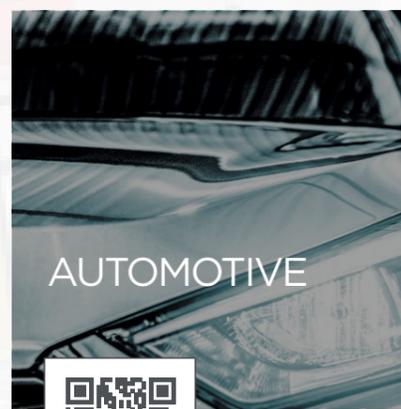
SOLAR

Engineering and production of machinery for solar panel handling in production lines, and for the screen printing of special substances on the conductive backsheet to **reduce the dispersion of solar energy** and **increase the efficiency** of the panel, guaranteeing:

- consistent thickness of the deposited ink +/- 5-10% depending on the frame used
- 98% good pieces guaranteed
- system active 7/7



AUTOMOTIVE
HOME APPLIANCE
SOLAR
BUILDING & INTERIOR DESIGN



AUTOMOTIVE



HOME appliance



BUILDING & interior DESIGN

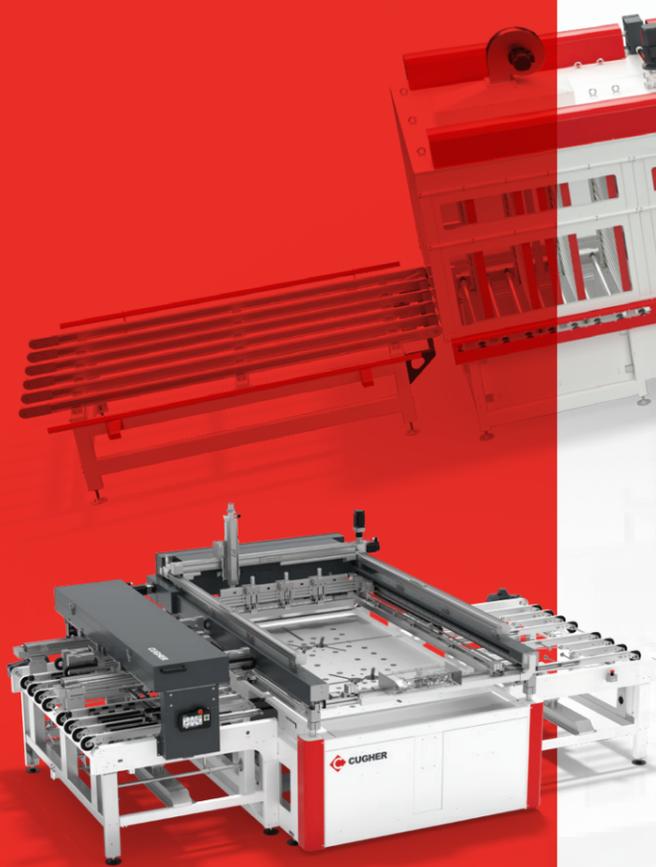


SOLAR



THE RIGHT MACHINE

FOR ALL NEEDS



SCREEN PRINTING MACHINES

Cugher screen printing machines ensure the **best print repeatability and consistency of ink deposits** available in the market thanks to sophisticated and consolidated technical solutions.

DRYERS – IR, UV OR COMBINED

Featuring specific characteristics and flexibility for **drying both silkscreen and digital printing** on glass. Through an air exchange system, Cugher dryers can in fact thoroughly **dry ink up to a thickness of 100 microns**.



VISION SYSTEMS

Quality control

These allow the most efficient **quality control** of the **glass and printing** in every detail, guaranteeing a resolution from 60 to 122 microns depending on the size of the glass. This family also includes a **broken screen detection**, which detects any contaminations due to frame breakages starting from 1 mm in diameter on the bottom surface of the printing support, thus protecting the upstream machines.

Alignment systems

These allow **automatic adjustment of the frame**, to which robot-guide applications typically found in highly automated handling lines are added.

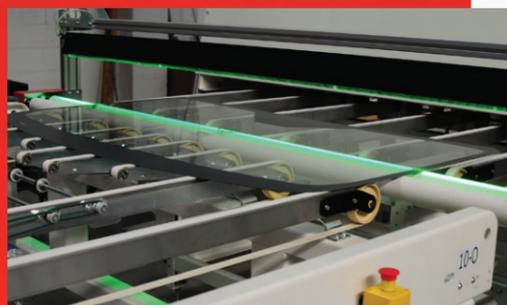
HANDLING

Cugher designs, engineers, builds and automates systems dedicated to the transport and storage of glass in any shape or size, guaranteeing **excellent integration and synchronisation** with all components of the line. Thanks to a **flexible design**, all the most complex situations can be managed with belt conveyors, roller units and/or combined roller-belt systems, in addition to overhead pick-and-place systems.

Every Cugher machine or system guarantees:

Efficiency and durability over time	Industry 4.0: compatibility with the client's IT system
Ease of use and minimum maintenance	Specialised after-sales assistance

The range of Cugher machines is designed for both **in-line** and **stand-alone** solutions depending on production needs, from large plants to small/medium facilities.





CUGHER

Plants and machinery customer oriented

EVA[®]

our innovative
Line Configurator by
**Extra
Vision
Application**



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