

# Compact 4C: **CUGHER's** high speed answer for screen printing

**E**ver precise, screen printing on glass could always distribute ink uniformly along entire surfaces - thereby ensuring high coverage. The reliability of such technology was the company goal behind both the design and production of Cugher's machine range - all characterized by advanced engineering while being easy to use and maintain.

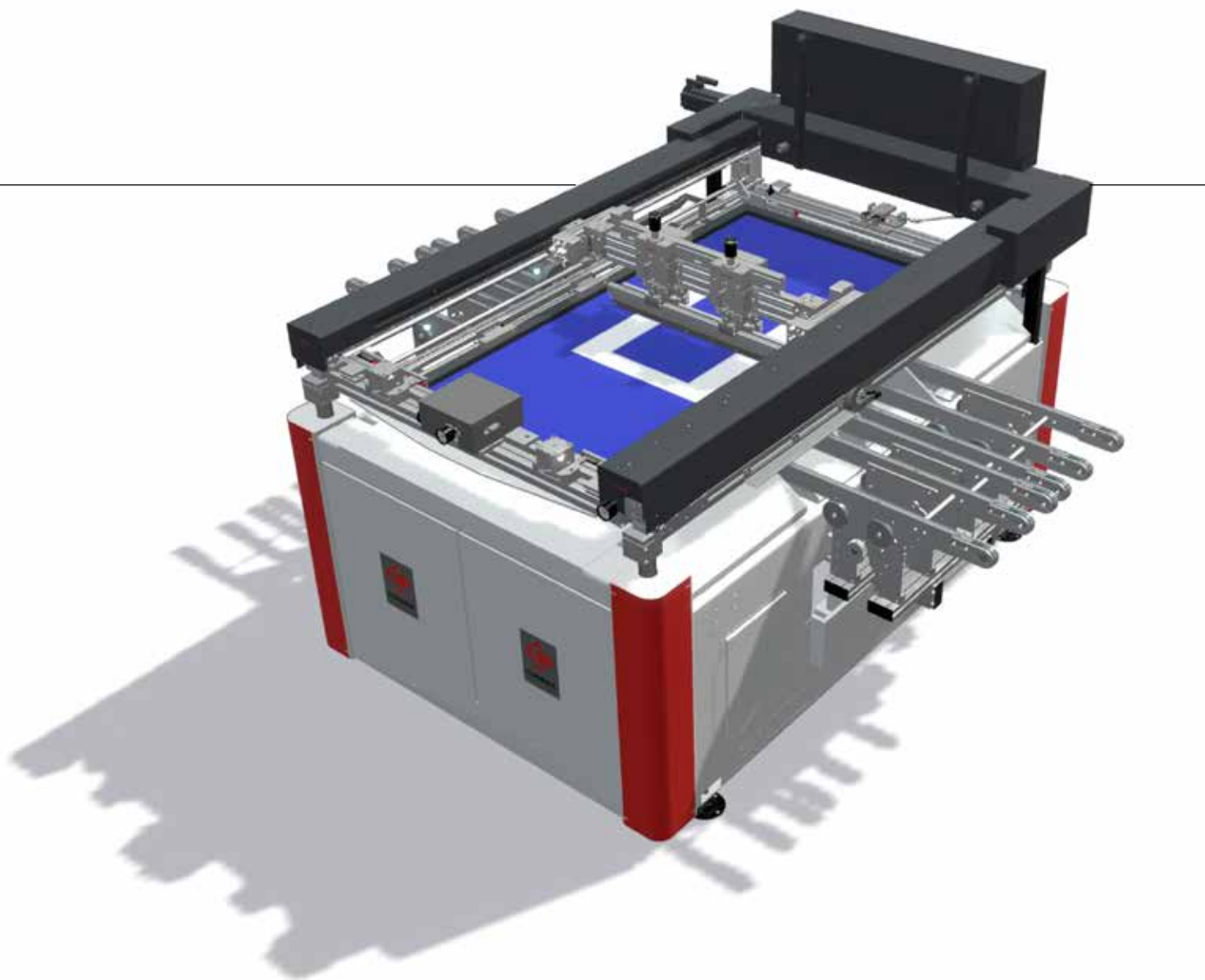
## **MACHINE PERSONALISATION**

Each machine is calibrated to offer high performance based on the glass to be printed - which must have precise requirements that are linked to industry affiliation. These include glass dimension, thickness of deposited ink or print repeatability. Here we add the needs of different producers - which may vary, depending

upon the print number for each glass as well as plant productivity. Against that backdrop it can be a challenge to find a standard machine that will satisfy every request. For this reason Cugher has decided over years to adopt a customer-oriented approach by which to highly-personalize each machine. Creating new models comes as the immediate consequence of explor-

Offering customized solutions in glass screen printing for the Home Appliance sector, CUGHER has done it again with its Compact 4C, which excels at printing larger glass sizes at high productivity. The fully-automatic machine integrates advanced features whilst offering cost-effective, precision printing as well as quality control options - all to satisfy diverse customer demands.





ing market and customer needs, as happened for the newest Compact 4C - evolution of the consolidated Compact Series that, for years, Cugher has distributed to Home Appliance customers that produce cooktops and glass for household appliances - also drilled.

### **THE COMPACT SERIES**

The Compact Series is designed to be a fast machine for squared and rectangular glasses of small and medium dimensions to guarantee high productivity.

Consequently its evolution, the 4C, cannot fail to obtain the same performance. The peculiarity of this new model is the capability to process bigger glass compared to the basic one - from a minimum of 150 x 50 mm up to a maximum of 1300 x 700 mm. This is possible because the new structure with four columns is able to sustain a greater weight of a wider printing head compared to the traditional model - everything, precisely, without sacrificing productivity. The new printing head is designed to accom-

modate Cugher's E2E system for printing right up to the edge - a feature that's increasingly taken into consideration, also in the home appliance sector, and achievable only with screen printing.

### **THE COMPACT 4C**

Always compared with the basic Compact, the 4C has new functionalities that are widely appreciated by buyers and typical of more expensive models, namely frame cleaning with extraction without losing register and print-

ing bridge rotation for squeegee and flood bar changing. The Compact 4C is fully-automatic, meaning that glass arrives at the machine entrance through a belt system where it's pre-aligned to optimize the cycle. The glass is then transferred to the printing table, made of aluminum with a scratch-resistant surface, then perfectly centered before printing takes place. The printing phase is quick and precise. All parameters can be set through the operator panel, from squeegee and flood bar



pressure and speed to frame regulation up to peel off height. The Compact 4C allows for the processing of big, symmetrical batches in reduced times - ensuring, for example, 550 pcs/h for glass with dimensions of 1144x692 mm. Printing precision between every piece is  $\pm 0,08$  mm, which gives standard quality to the final product. As with all Cugher machines, this one can be integrated in line with innovative vision sys-

tems for quality control - both for glass and printing.

### PROMISING AS ALWAYS

As for the introduction of this new model among its products, Cugher reports confidence that it can satisfy an increasing number of customers. Indeed, besides the features aforementioned the Compact 4C has a considerable commercial advantage, being a machine that can process bigger glasses com-

pared to the basic model - only with the same performance and without resorting to larger and more complex machine models. This definitely comes as more cost-effective compared to many other solutions. The Compact 4C is an excellent compromise between agility and dimensions. As such, it can enter the production plant of glassworks that seek reliability and high performance with a partner like Cugher - a company that can sup-

port customers at every stage of a machine's life, from installation to periodic maintenance.

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