



Screen printing

Cugher Progress" printing sector



Cugher Glass
G Series screen
printer

Glass: "Print in - moving ahead in the

In its over 30 years of activity, Cugher Glass has developed a worldwide leading position in the design and manufacture of silk screen printing machines and equipment. This article takes a look at the company's history and the innovations it has on the technical market at present.

M ANY YEARS OF DEVELOPMENT

Since 1970, Cugher Glass has been working alongside some of the main worldwide companies operating in the screen printing sector, cooperating and developing new projects, thanks to continuous research of new materials and technologies. Thanks to its 30 years experience in the field, the company can realize new turnkey plants, complete with Software and Automation and manufactured in accordance with customer requirements.

In the last years Cugher Glass has developed a worldwide leading position in the planning and manufacturing of silk screen printing machines and equipments suitable for processing flat glass as well as rigid materials of various dimensions and shape.

With more than 600 printing machines installed all over the world, Cugher Glass takes a step forward towards excellence in solutions for printing on automotive glass, architectural pieces and home appliances, by setting today the new performance standards for the future.

Thanks to an analysis that took into

consideration Cugher Glass main customers all over the world, the company has identified the new reference needs indicated by those who successfully use machines for screen printing every day within production processes.

NEW MARKET NEEDS

In the last few years, the organization of glass industrial processes has had to adapt to the changed market trends, that are more and more oriented to short production cycles, with rapid changes of size and model of the kind of glass being produced, in order to satisfy customers that are less oriented to large production volumes. The need to constantly change production

Cugher Glass premises in Milan, northern, Italy



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parameters requires that companies own flexible machinery able to be rapidly and efficiently transformed, that can be solid and reliable even under stress, within short and long production cycles.

THE RIGHT SOLUTION – NEW APPROACH

Cugher Glass has developed a new generation of printing machines for flat glass that offer the largest flexibility in printing sizes, allowing significant format changes with the same machine, in order to guarantee that all production needs are covered with fewer machines. Particular attention has been paid to the reduction in maintenance times and costs, thanks to a new construction concept and the use of highly reliable components. Cugher Glass therefore guarantees the safeguard of customers' investment over time.

Cugher Glass innovative project has allowed to move all printing machine handling operations to the technician's side, avoiding the need to cross the line for adjustments, that are now very easy thanks to automatism and a recipe system.

The frame can be cleaned outside the machine, without losing settings, while the squeegee automatically lifts to be removed and easily cleaned.

Once set in the recipes, the squeegee operating pressure is automatically managed by the system, regardless of the thickness of the glass to be printed. Glass centring

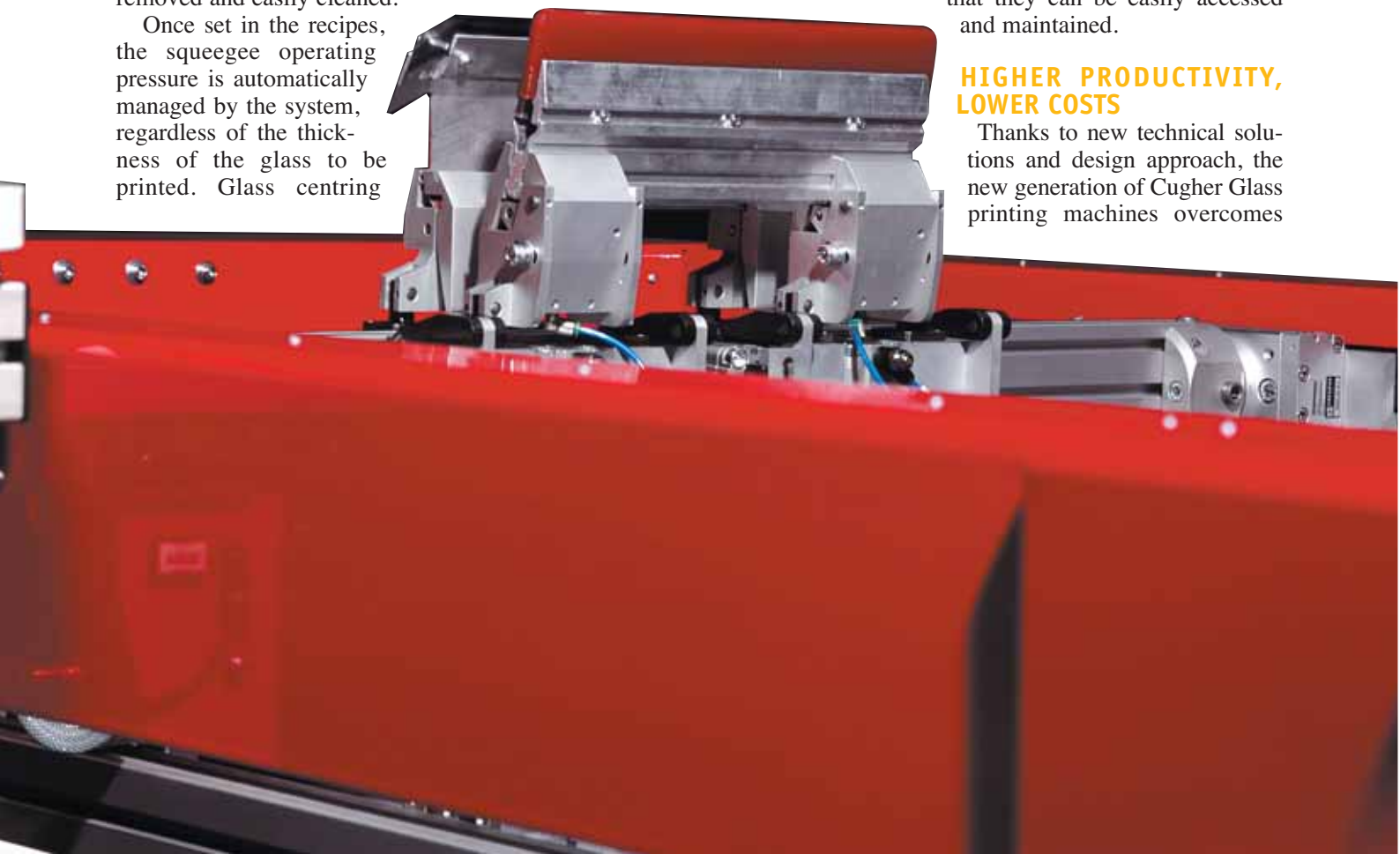


operations are also automatic and carried out outside the printing table, even on asymmetric glass, with a self-learning system for the sizes that have not been entered in the recipes yet.

Reduced space has led customers to prefer the compactness of industrial machinery; this is a valid reason that has led Cugher Glass engineers to design a fully integrated system, where all electrical control and power units, as well as the pneumatic section, are installed on board, so that they can be easily accessed and maintained.

HIGHER PRODUCTIVITY, LOWER COSTS

Thanks to new technical solutions and design approach, the new generation of Cugher Glass printing machines overcomes



PRINTING MACHINES

TABLE 1

GLASS SERIES	G70x100-L	G70x100-S	G100x160-L	G100x160-S	G130x200-L	G130x200-S
MAXIMUM SIZE (MM)	700x1000	700x1000	1000x1600	1000x1600	1300x2000	1300x2000
MINIMUM SIZE (MM)	150x250	150x250	250x300	250x300	300x300	300x300
THICKNESS (MM)	1,6 - 12	1,6 - 12	1,6 - 12	1,6 - 12	3 - 12	1,6 - 12
PRODUCTIVITY	620 PCS/H	620 PCS/H	500 PCS/H	500 PCS/H	400 PCS/H	400 PCS/H
JUMBO GLASS SERIES	J130x250-S	J160x310-S	J160x350-S	J200x400-S	J250x400-S	J250x600-S
MAXIMUM SIZE (MM)	1300x2500	1600x3100	1600x3500	2000x4000	2500x4000	2500x6000
MINIMUM SIZE (MM)	300x500	400x800	400x800	500x1000	500x1000	500x1500
THICKNESS (MM)	2 - 20	3 - 20	3 - 20	3 - 20	3 - 20	3 - 20
PRODUCTIVITY	200 PCS/H	180 PCS/H	180 PCS/H	170 PCS/H	150 PCS/H	60 PCS/H

the performances that were once considered unexcelled, by achieving unique results within the segment. The new G series allows printing of up to 750 pieces per hour, thanks to independent shuttles, with an accuracy exceeding 0.08 millimetres printing repeatability and a complete production change in less than 10 minutes. Cugher Glass confirms itself again as a world leading company in productivity and versatility, by cutting production costs and times for each printed piece.

COMPANY NEWSLETTER

Cugher Glass has also made some changes in the way it introduces itself through its new company newsletter "Print in Progress". The basic idea is that being informed enables to make the right choices.

In the next issues, Cugher Glass newsletter will provide a selection of the most significant information from the world glass markets, focusing on flat glass, with the contribution of international technical and commercial partners working with the company. ■



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