



***creaglass***



a coesia brand

## THE EVOLUTION OF PRINTING ON GLASS.

Creaglass is a high-performance **single-pass Drop-On-Demand digital inkjet printing device** that offers important applicative solutions in the context of **printing on glass**. It's an innovative technology with great potential, which offers high-quality printing and considerable flexibility and customization.

Creaglass is not just a digital printer, but a **complete process**, with modules that can be configured and implemented according to production requirements for a compact and efficient solution.



## VERY HIGH RESOLUTION, EXTRAORDINARY APPLICATION.

The machine is equipped with **SG777 very high-resolution print heads** governed by latest-generation hydraulic, electronic, mechanical and algorithm control technologies. Each head houses rows of parallel, staggered nozzles, arranged regularly in a **patented inclined positioning set-up** that makes it possible **to eliminate any printing defects** and allows for an extraordinary uniformity of application. In addition, Creaglass is equipped with the **Pinning treatment module for fixing the drop**, essential for a perfect decoration of the glass.



## PRODUCTIVITY AND FLEXIBILITY IN INNOVATION.

Creaglass has a **Single Pass printing mechanism**, new in the context of printing on glass, which **takes productivity to very high levels**: it works in double or even quadruple rows, in a rapid continuous cycle, also printing different products in terms of shape, dimensions or inclination at the same time.



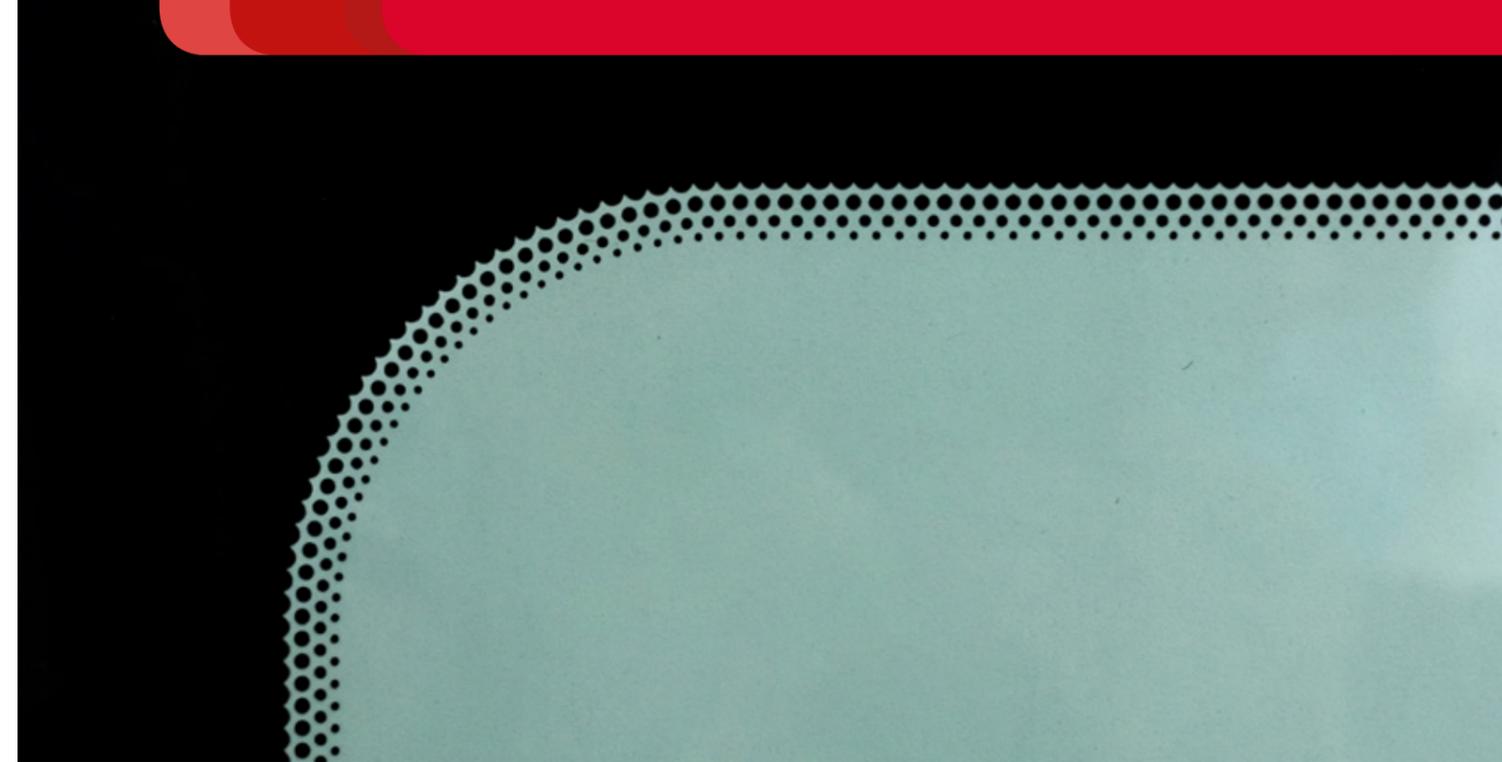
Absolute flexibility: **Creaglass is connected to a vision and self-regulation set-up for full-view printing** with fixed 6000px video cameras, for working without product change or process interruption, transmitting data to the print module which carries out the centering of the graphic in real time, ensuring **maximum precision in edge-to-edge printing**.



## TRANSPARENT PRECISION.

Creaglass has **adaptive printing**, a set-up that allows for adapting the graphics to be printed to the actual dimensions of the glass. The video camera set-up makes it possible to acquire the entire outline of the glass and a proprietary algorithm rotates and adapts the dimensions of the graphic file so as to **eliminate printing defects, ink wastage** and possible smearing of the conveyor belt.

Creaglass is, moreover, equipped with the **CoreXpress** platform developed by System Electronics, a latest-generation processor characterized by a fast and immediately available memory.



## TECHNICAL SPECIFICATIONS.

The Creaglass printing process is composed of different modules.

### **Loading**

The material is introduced into the printing process through a material loading roller.

### **Pre-heating**

The substrate is transported inside the heater in which it reaches the right surface temperature for printing (an optional module according to the type of ink used).

### **Image scan**

Having reached the required temperature, the substrate is scanned by the Creavision full-view vision set-up, which identifies the precise position of the substrate and passes the coordinates to the printer.

### **Digital printing**

Creaglass's nozzles carry out the high-definition printing on the basis of the correct coordinates of the substrate.

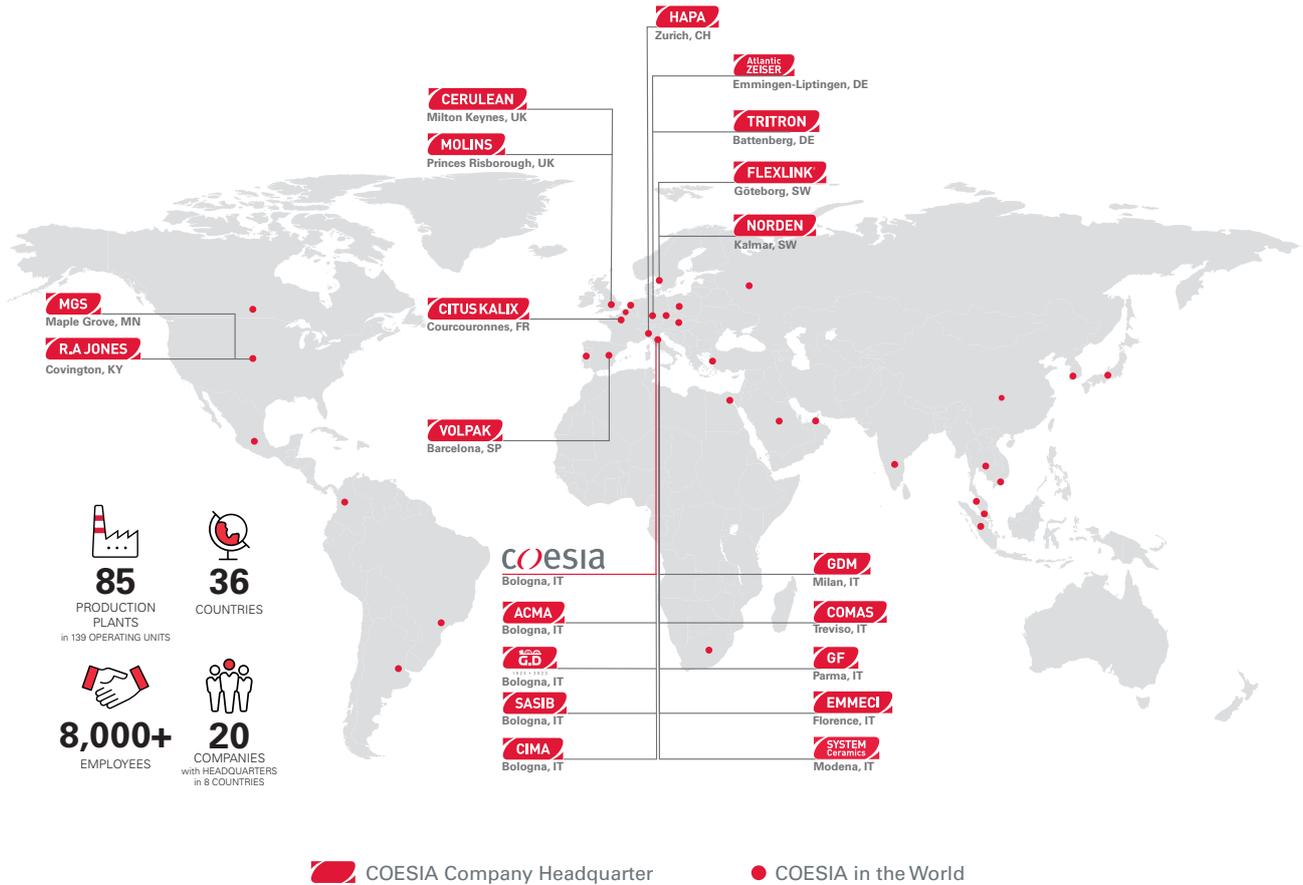
### **Drying**

The printing phase is followed by the fixing and drying of the ink on the glass substrate.

### **Cooling and Unloading**

Once the printing process has been completed, the substrate is ready for tempering. The cooling module can be inserted if the substrate has to be handled by the technical staff following the drying phase.

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