

# Drinking glass decoration proves efficiency and quality

In 2018, French glass manufacturer Arc used Gallus Screeny equipment on a small scale for the first time in its production following an extensive test phase. Two years later, the leading producer of tableware and drinkware uses 64 screen printing stations in its daily production and is impressed by the improved screen life, the reproducibility of high print quality and the fine details that can be produced reliably with Gallus Screeny C-Line precoated mesh. Rosina Obermayer reports.

“In early 2016” Matthias Rosenfelder, Head of New Business Screen Printing at Gallus recalls “the first request for the Screeny system came from David Leblond, R&D Manager at Arc France, who wanted to know what would be needed to implement it and which advantages they could benefit from using the Gallus Screeny equipment. Then, in spring 2016, they tested the first Screeny C-Line mesh on a printing machine.”

Based on the resulting positive experiences, Arc France invested step-by-step in further Screeny equipment. By summer 2020, the glassmaker was working with a total of 64 printing stations. This means eight printing machines

are each equipped with eight Gallus Screeny C-Line units, an impressive volume of screen printing production used for the decoration of drinkware.

For printing with the Gallus Screeny C-Line properly, the company uses custom-made fast tension frames from Gallus. This enables increased overall efficiency during the screen printing process. Furthermore, in spring 2019, Arc installed the Gallus Screeny 400Eco, a fully automatic developing unit to wash out the screen meshes. For imaging the meshes, the tableware producer uses digital (computer-to-screen), as well as conventional imaging processes.

Established in 1825, Arc has

nearly 200 years of knowhow in glassmaking. The company serves B2B, consumer goods and food service markets. The main application for the Screeny equipment is screen printing on drinkware, eg water, wine and beer glasses, as well as decorative printing on the food segment items like honey or mustard jars.

## Increased productivity

Arc reports a longer screen lifetime and the reliable reproducibility in print and perfect quality. These reasons were enough for investing step-by-step



A finer definition of details and a reliable and reproducible print quality are reasons why Arc France is already working with eight machine systems, each equipped with eight screen printing units (source: Gallus Ferd Ruesch AG).



Compared to conventional screen manufacturing, the Gallus Screeny C-Line offers cost benefits and quality improvements when decorating hollow objects (source: Gallus Ferd Ruesch AG).



From left to right: David Leblond (R&D Manager), Vincent Delattre (Production Manager), Jean-François Evrard and Benoit Pouille (both Industrial Operators) at Arc, in front of the Gallus Screeny Eco400 (source: Arc France).



Jean-François Evrard, Industrial Operator at Arc, during preparation of Gallus Screeny C-Line meshes (source: Arc France).

in more Screeny units, now in total 64 printing stations. In combination with the fast tension frames and the Gallus Screeny 400Eco developing unit, the company reports significant improvements in productivity, as well as efficiency.

Compared to conventional screen manufacturing, the Gallus Screeny C-Line offers cost benefits and quality improvements when decorating hollow objects. The system solution including the Gallus frame system is suitable for thermoplastic, UV, solvent and one- and two-component ink systems. The ideal application is direct printing on hollow objects.

### Printing fine details

Printing reproducible applications with fine definition of details was and is still the key reason for investing in the Gallus Screeny C-Line. Using Gallus C-Line stencils, very fine details can be printed and high reproducibility is guaranteed. Fine fonts or lines can be printed easily, reliably and efficiently, in addition to the positive productivity impact.

“Gallus technology improves the definition of details, especially in food

packing business and offers perfect reproducibility in print quality” says Nicolas Heunet, Plant Manager at Arc France.

The Gallus Screeny precoated C-Line screen printing plates enable a fast production time of just 10 minutes for a ready-to-print stencil. This leads to a time saving of 60 minutes compared to conventional screen manufacturing.

Arc Group is leading in the design, production and distribution of tableware items and professional grade tableware. With several production sites around the world (France, USA, China, UAE and Russia), the company’s products are distributed in more than 160 countries. In Arques, France the Arc Group has its headquarters and employs approximately 4500 people. The company’s distribution channels cover all sectors; consumer goods, food service and business-to-business.

“With Arc, we have proved that the Screeny C-Line is perfectly suited for the drinkware sector, more precisely for drinking glasses” says Matthias Rosenfelder from Gallus. “With our products, we are meeting all market



Vincent Lecomte, Industrial Equipment Operator, is impressed by the improved performance (source: Arc France).

requirements including all ink systems available in the market. “Experiencing such a great improvement regarding productivity, reproducible print quality, as well as fine details, is making me proud each time we implement our Screeny equipment.” ●

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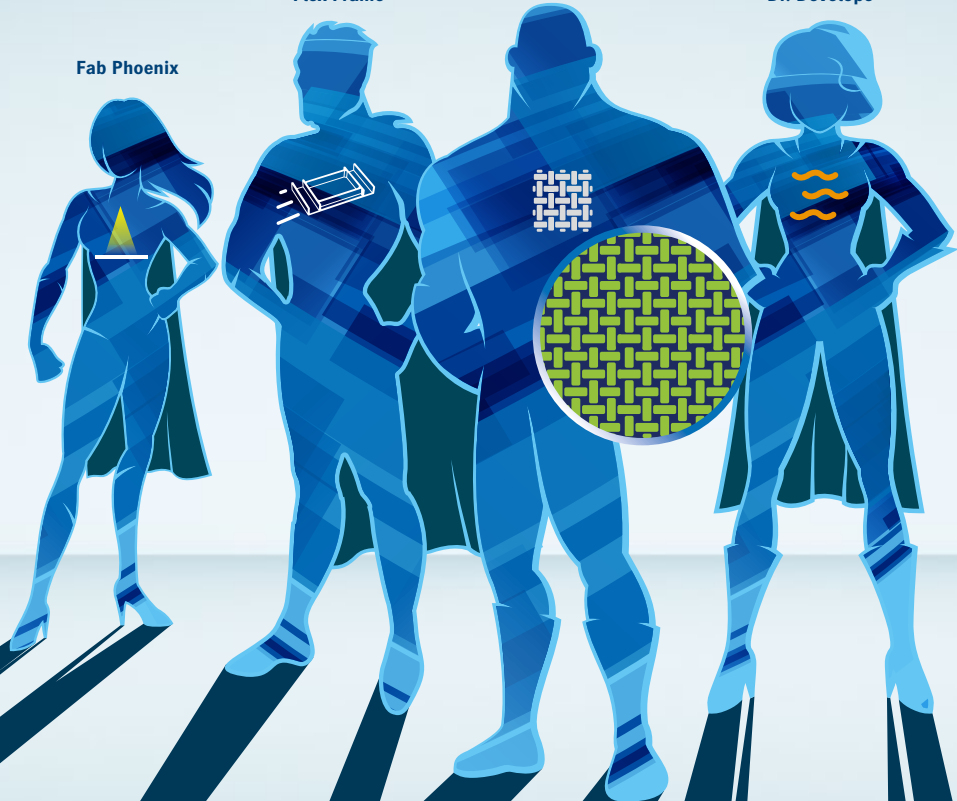
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