4 steps to the perfect screen





Select a suitable plate type from **various types and sizes.** The Gallus Screeny G-Line printing plate is supplied protected against light and ready for imaging. The photo emulsion is covered with a protective film that must be removed before imaging. The screen printing plate is supplied in sheet format. On removal of the protective film, the screen printing plate can be imaged conventionally or by using the CtS process. The screen printing plate's unique surface minimises reflection, thus achieving significantly **improved and finer detail resolutions.** Imaging takes place without a frame, so the flat screen printing plate can be perfectly imaged under vacuum and the **frame distortion** that is common with conventional screen frames is completely **eliminated.**

2 Washing out



After imaging, the screen printing plate is washed out on both sides with high pressured water and dried on a coarse polyester screen that is clamped in place. After drying, the photo emulsion has an Rz value (surface roughness value) of **less than 5 microns.**

Clamping



The screen printing plate is **mounted on the quick-action self-tension frame** and fixed in place using two clamps. Two screws are then used to clamp the screen printing plate along one axis in one direction to a **precisely** predefined spring force.

The stable, hard-wearing and well-insulated quick-action self-tension frame is **suitable for all ink systems** and designed to be compatible with the most widely used screen printing presses. Special frames are available on request.

4 Preparing



Before printing, the frame's outside and inside edges are masked with silver adhesive tape. A screen printing plate can be changed in **less than 1 minute.**The screen printing plate can be stored quickly and easily in a film folder for repeat orders.

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Gallus Screeny G-Line & C-Line

Hollow glass printing with system







The Gallus Screeny G-Line is setting new standards in cost-effectiveness and production reliability for decorating hollow glass and containers using industrial screen printing.

Gallus offers an end-to-end solution for industrial glass screen printing that is already widely used for other printing processes – a produced screen printing plates. This method is based on the industrially reinforced and pre-coated Gallus Screeny G-Line screen printing plate, a reliable and fast plate loading process using an ingenious frame system. The extremely fast manufacturing time of just 6 minutes per print-ready Gallus Screeny G-Line screen printing plate delivers a time saving of 60 minutes over conventional screen manufacture. This minimises machine downtimes and eliminates the need to manuacture and store screens in advance of

The Gallus Screeny G-Line screen printing plate ensures a high level of reproducible quality and impresses with perfect electrical conducfully integrated printing system with machine- tivity and very homogeneous heat distribution for thermoplastic inks. The screen's unique reinforcement and encapsulation ensures excellent ink release behaviour. The Gallus Screeny G-Line is ideal for all thermoplastic, UV, one- and two-component ink systems and for CtS (computer to screen) imaging and integration into digital workflow systems.

> The spring-mounted plate loading process prevents distortion in the screen printing plate during the squeegee process, which increases the size of print runs considerably. Compared to conventional screen manufacture, the Gallus Screeny G-Line offers.

Unique flow characteristics make the Gallus Screeny creen printing plate the ideal tool for brilliant printing results.Gallus Screeny with sharp photo polymer edges for

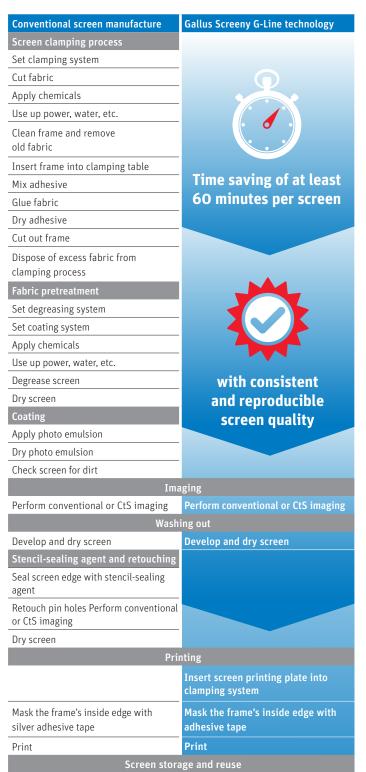


Benefit from the advantages of the Gallus system:

- Better Printing Quality
- Higher print run stability
- Standardization with Screeny System
- Repeatability

Time saving

Store screen with frame



ore screen without frame in film fold

Cost benefits delivered by Gallus Screeny G-Line

✓ New level of technology without investment	Q
✓ Significant time saving in blockmaking	
✓ Higher print run stability	
✓ Reinforcement of precision mesh and uniform electrical conductivity for homogeneous heat distribution on the screen	
✓ Shortest possible machine downtimes	25%
✓ Fast and simple screen manufacture	cost benefit
✓ Quality improvement	
✓ Minimisation of waste and ink consumption	
✓ Optimisation of ink flow for printing the finest details	
✓ No need for repeat investments	The following problems are significantly reduced:
✓ Increase in productivity	✓ Ghosting
✓ No frame storing necessary	✓ Register problems
✓ Perfect Rz values due to	✓ No spare screens
industrial coating ✓ Multiple reuse	✓ Fabric tears (cleaning, creating new screen)
✓ Simple handling due to process	✓ Setup times
standardisation	✓ Hue errors
✓ No waste water treatment necessary	✓ Screen manufacturing errors
✓ No fabric cuttings	✓ Complaints

The industrially reinforced and pre-coated Gallus Screeny G-Line screen printing plate offers unbeatable cost benefits and reliability for decorating hollow glass and containers.