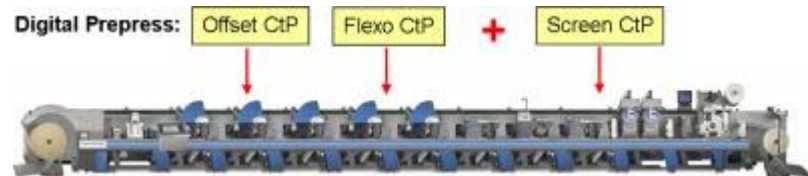




Screeny goes digital

Digitisation in the label printing sector has spread to a growing number of areas over the past few years. Nowadays, everything from design to prepress is digitised. Screeny, the rotary screen made by Gallus, has also entered the digital age. Whether for the finest of lines, solid areas or relief printing, Gallus Screeny is available for all kinds of applications. Now also with digital exposure – read on to discover the benefits.

Technological progress paves the way for new processes for the digital exposure of printing plates. At present, CtP (computer-to-plate) technology is predominantly used for offset and flexographic printing. The integration of screen printing into the digital workflow of today's label printers is the next logical step. Using CtP for screen printing boosts productivity, streamlines operations and cuts costs.



Multipurpose platform press: Gallus RCS 330/430

The integration of screen printing into the digital workflow offers label printers four main benefits:

- Greater operating efficiency
- Shorter delivery times thanks to faster prepress
- Minimising sources of errors/end-to-end process
- Lower overall costs

Screeny digital is the latest generation of screen printing plates and can be imaged digitally.

Screeny digital printing plates are based on the established springhard and very robust fabric of the Screeny S-Line and the standard Screeny range.

Screeny digital screen printing plates have a LAMS layer applied to the photopolymer.

The LAMS coating enables Screeny to be imaged digitally in the printer's existing digital flexographic workflow using a CDI from ESKO Artwork. A device of this kind enables the CtP workflow to be extended beyond flexographic printing to include screen printing.

No investments in additional equipment are required and analogue films are completely obsolete.

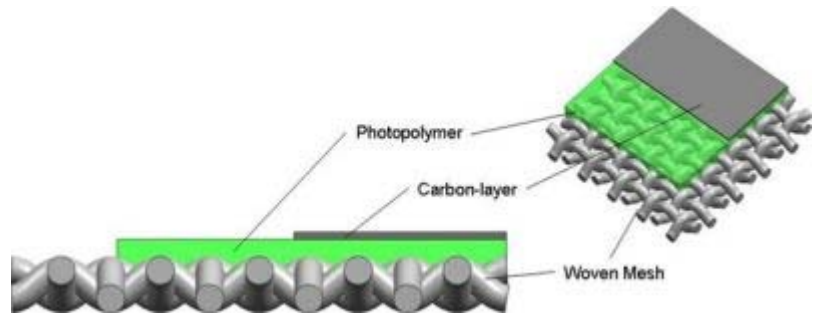
After digital imaging in the CDI, the screen printing plate is exposed, washed out and fitted using tried-and-tested methods. The conventional printing processes and properties remain the same as before. This means there are no new sources of errors and no uncertainties about the changeover.

The new Screeny printing screens were unveiled at the Gallus industrial manufacturing event on 2 and 3 April 2008. The feedback from customers at the event was extremely positive. Screeny digital is a further example of Gallus'

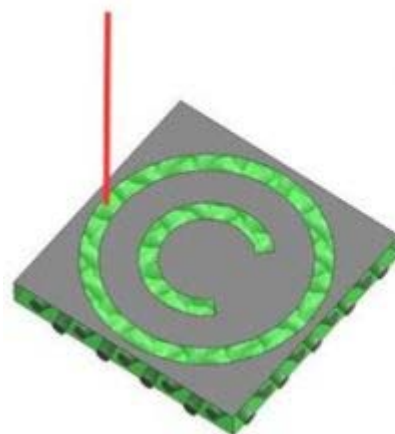
success in helping label printers achieve significant cost benefits with new, improved solutions.

Digital versions of all the relevant Screeny types, including the Screeny S-Line, are available for delivery from mid-2008.

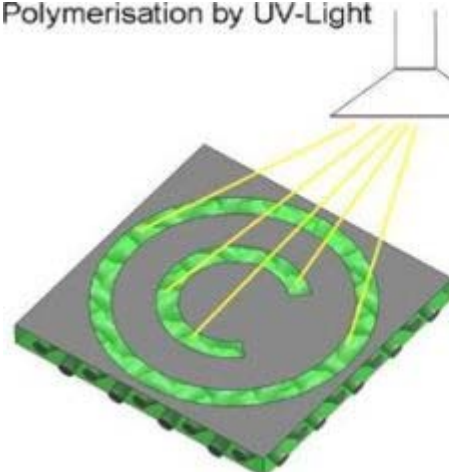
Process steps – ablation imaging



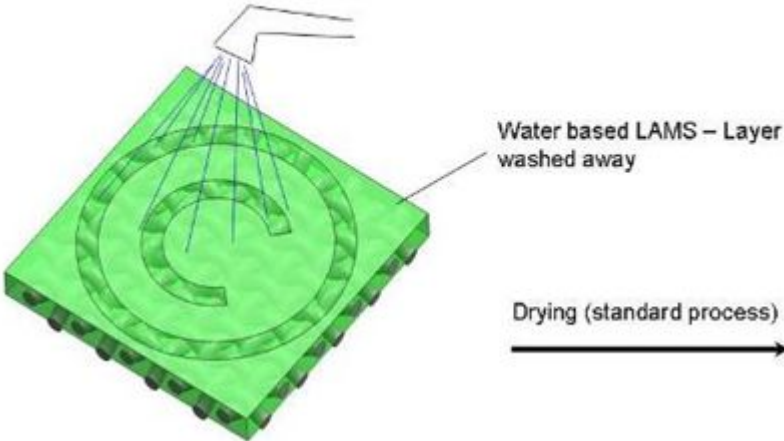
Imaging by laser



Polymerisation by UV-Light



Washing out



Result (Well known Screeny printing plate)



1. Esko CDI



2. Screeny digital with black LAMS layer



3. Fitting flexographic plates in the CDI



4. Screeny held in place by a vacuum



5. CDI operation, entering position data



6. Screeny after masking



7. Exposure with UV light

Standard process:

- Washing out
- Drying
- Fitting

Benefits of Screeny digital at a glance

Screeny digital

- Can be imaged digitally with existing Esko CDI
- Integration of screen printing into existing digital flexographic workflow
- Greater efficiency
- Less time required in prepress
- Shorter delivery times
- Minimising sources of errors/end-to-end process
- No changes to the printing process, same screens as for film imaging
- Lower overall costs

Screeny digital – benefits resulting from S-Line technology

- Resistant to kinks in the screen
- Very robust but also flexible
- Excellent flow properties for ink and coating
- Higher printing speeds

Screen manufacture

- Simpler and reliable handling
- No additional equipment required

Digital versions of all the relevant Screeny types are available for delivery from mid-2008. Are you too looking to move into the digital age and design attractive labels with special effects that appeal to all the senses? We would be only too happy to accompany you along the way.

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