

Labelexpo Europe 2017

Gallus presents digital coating

Matt gloss and spot coating effects applied using inkjet technology

Digital Embellishment Unit initially available for Gallus Labelfire, Gallus ECS 340 and Gallus Labelmaster machine platforms.

St. Gallen, September 2017 – *Gallus is unveiling the prototype of its new digital finishing technology at Labelexpo Europe 2017. This innovation is a joint development by three Swiss companies – Steinemann Technology AG and Gallus Ferd. Rüesch AG, both from St. Gallen, and Schmid Rhyner AG from Adliswil. Using inkjet technology, this newly created Digital Embellishment Unit (DEU) is able to carry out inline coating digitally and apply matt, gloss and tactile spot coating effects to the substrate web in various thicknesses.*

Three well-known Swiss companies that enjoy global success in their sectors in the graphic arts industry have come together to extend the dmax technology developed by Steinemann AG to narrow-web label and packaging printing. This embellishment unit is integrated in line with the modular principle of combination printing and is fitted into the Gallus Labelfire digital press system after the 8-colour UV inkjet unit in the same way as an additional printing unit. This system is thus an additional inline application, making the Gallus Labelfire one of the industry's most flexible digital presses.

This Digital Embellishment Unit can produce gloss and matt spot coatings and tactile relief effects in a single pass, all using atmospheric UV inkjet coatings. It supports coating volumes up to 100 gsm with a resolution of 600 x 600 dpi (native/physical).

This development was only possible thanks to Swiss innovation and the know-how of the three packaging and finishing specialists Steinemann, Schmid Rhyner and Gallus. Steinemann contributed the basic technology for the Digital Embellishment Unit, based on its proven dmax technology. Schmid Rhyner, having several patents in the field of digital coating

using InkJet, developed the UV inkjet effect varnish, matching to the dmax technology. Together with Steinemann, this technology was brought to market maturity. Gallus contributed the “translation” of customer requirements in label printing, the combination printing know-how and the integration for Gallus presses. The DEU will initially be available for the Gallus Labelfire, Gallus ECS 340 and Gallus Labelmaster machine platforms.

When using this DEU, customers benefit from shorter setup times and minimised cleaning when compared with conventional solutions. And thanks to the digital technology, there are no additional costs for tools or for tool production and management. As various matt, gloss and tactile effects can be applied in a single pass, this unit replaces up to three conventional printing stations, thus tripling the benefits. The resulting shortened web path also leads to further cuts in waste.

Captions:



Picture 1 (gallus_DEU.jpg)

At Labelexpo 2017, Gallus is unveiling the prototype of a digital embellishment unit which is able to carry out inline coating digitally and apply matt, gloss and tactile spot coating effects.

The Gallus Group

The Gallus Group, with production facilities in Switzerland and Germany, is the world market leader in the development, production and sale of narrow-web, reel-fed presses designed for label manufacturers. The machine portfolio is augmented by a broad range of screen printing plates (Gallus Screeny), globally decentralised service operations, and a broad offering of printing accessories and replacement parts. The comprehensive portfolio also includes consulting services provided by label experts in all relevant printing and process engineering tasks. The Gallus Group is member of the Heidelberg Group and employs around 430 people, of whom 253 are based in Switzerland, where the Group has its headquarters in St. Gallen. As a member of the Heidelberg Group, the Gallus Group uses the Heidelberg global sales and service network.

www.gallus-group.com

For further information, please contact:

Gallus Ferd. Rüsch AG, Harzbüchelstrasse 34, 9016 St.Gallen, Switzerland

Matthias Marx, Head of Corporate Communications

Phone +41 71 242 86 86

matthias.marx@gallus-group.com

www.gallus-group.com

Download:

<http://www.gallus-group.com/gallus/press>

About Steinemann Technology AG

Steinemann is a globally active technology company founded in 1917 with headquarters in St. Gallen (Switzerland). Operating under the name Steinemann Technology AG, the Mechanical Engineering business unit of the Stürm Group offers a comprehensive portfolio of innovative enhancement systems for printed products as well as sanding systems for customers in the wood panel industry. Steinemann has been one of the world's leading manufacturer of high-end finishing machines for the printing industry since more than 40 years.

Steinemann Technology AG

Schoretshuebstrasse 24 / POB 461, 9015 St. Gallen, Switzerland

Ludwig Allgoewer, Head of Print Enhancement

Phone +41 71 3135205

l.allgoewer@steinemann.com

www.steinemann.com

About Schmid Rhyner

Schmid Rhyner AG is one of the world's leading manufacturers of innovative coatings of outstanding quality for the graphic arts industry. It offers a unique combination of a broad product range with a comprehensive array of consulting and training offerings, extending from graphic design to regulation-compliant applications in food packaging. This is how Schmid Rhyner AG's customers benefit from the efficient and safe use of UV- and water-based coatings.

More information can be found at www.schmid-rhyner.ch

Schmid Rhyner AG

Soodring 29, 8134 Adliswil – Zürich, Switzerland

Julia Sonnenburg, Head of Marketing Services

Phone: +41 44 712 62 95

j.sonnenburg@schmid-rhyner.ch

www.schmid-rhyner.ch