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Daetwyler scores in Japan

Sagawa Printing installs two more DLS Direct Laser Systems

Sagawa Printing in Kyoto is one of Japan's leading publication gravure printers. Among other products, the company is known for its high-quality catalogues. Naturally, Sagawa has long recognized the advantages of direct laser engraving into Zinc, which it consistently uses to fulfill its customers' high quality requirements.



Perfect integration in existing production: The new DLS lasers at Sagawa's Hino site.

The first Daetwyler Direct Laser System, DLS, which includes an electroplating system for zinc galvanizing, was installed at Sagawa Printing in 2007, and the new technology quickly prevailed. Due to the high-quality printing results achieved with them, laser-engraved cylinders more than met the high demands of the printing industry.

Sagawa Printing then decided to invest even more in this technology and placed an order with Daetwyler to install two more systems at its site in Hino. The two new DLS lasers – equipped with

the latest generation of pulsed fiber laser technology – were integrated into existing production processes.

The project timing was very tight. Thanks to the strong support by the Japanese branch of HELL Gravure Systems, however, the customer's deadlines were all met and both of the new systems delivered right on time.

According to Sagawa, the deciding factors why it chose Daetwyler direct laser systems included energy savings, reduced maintenance costs, and productivity increases resulting from the use of the newest laser technology.



The eleventh Saudi Print & Pack Trade Fair in Riyadh

A complete success for Daetwyler

This past February, the eleventh Saudi Print & Pack was held. Considered to be the largest in the Middle East, the fair attracted 520 local and international exhibitors from 27 nations.

This trade fair is the meeting place for the region – which naturally makes it an important platform for all Heliograph Holding companies. Many customers can be welcomed in a very short period of time at this forum.

Under the umbrella of our local partner, Techno Converting Services TCS, Hell Gravure, Kaspar Walter, Ohio Gravure Technologies and Daetwyler Graphics presented their latest technical developments for four days – with significant, sophisticated and appropriate exhibits.

In recent years, Daetwyler's customer base in Saudi Arabia has nearly doubled, with machine parks multiplying.



All attendees at the TCS booth

Excellent grinding and polishing performance

The HelioGrind® e glued grinding stone

Daetwyler Graphics AG is the designated competence center for high-precision form and surface treatment in the Heliograph Holding. Its portfolio also includes: **HelioGrind® e** – Heliograph's new grinding wheels in the popular grains for excellent grinding and polishing performance.

Advantages

- Excellent value for the money
- High material removal rate with long service life
- Excellent grinding performance over the entire service life
- Support by our specialists for high process reliability
- Workflow-optimized grinding program that meets your requirements

Technical Specifications

Outer - Ø 200mm
 Inner - Ø 50 or 100mm
 Height 50mm
 Grain 800 – 3000
 Color purple

Order / Support

Depending on the surface roughness, we recommend the grinding stone combination for stonehead 1 and stonehead 2 as shown on the following table. We would be happy to help you!

Accessories

Art. 115.460.010 Grinding stone plate
 Art. 207635 Double-sided tape
 25m x 50mm white
 Art. 208135 Trueing tool MK1



HelioGrind® HG e - the new grinding stones of Heliograph

Stone Combinations (Based on experience)

Roughness Rz	1	Stonehead 2	Machine
0.45 - 0.65	HG 800 e	HG 2000 e	CFM Econo Duostar
0.35 - 0.55	HG 800 e	HG 2500 e	
0.30 - 0.40	HG 800 e	HG 3000 e	
0.35 - 0.55	HG 1000 e	HG 2500 e	
0.30 - 0.40	HG 1000 e	HG 3000 e	Finishstar Multiplot
0.35 - 0.55	HG 1500 e	HG 2500 e	
0.25 - 0.40	HG 1500 e	HG 3000 e	
0.50 - 0.60	HG 1000 e	HG 2500 e	
0.40 - 0.50	HG 1000 e	HG 3000 e	

Suggestion, Basic configuration for new machines

Ordernumber

Art. Nr.	Description	Inner- Ø	Height
600245	HelioGrind® HG 800 e	D50	H50
600197	HelioGrind® HG 1000 e	D50	H50
600198	HelioGrind® HG 1500 e	D50	H50
600199	HelioGrind® HG 2000 e	D50	H50
600200	HelioGrind® HG 2500 e	D50	H50
600201	HelioGrind® HG 3000 e	D50	H50
600202	HelioGrind® HG 800 e	D100	H50
600203	HelioGrind® HG 1000 e	D100	H50
600204	HelioGrind® HG 1500 e	D100	H50
600205	HelioGrind® HG 2000 e	D100	H50
600206	HelioGrind® HG 2500 e	D100	H50
600207	HelioGrind® HG 3000 e	D100	H50



BIRKAN Drucktuchtechnik begins using new fiber lasers

Further expansion of the direct laser engraving business unit with the HELL PremiumSetter® S1700



Direct laser engraving is currently considered to be the most accurate

method of producing a printing form. The elastomer material gives users not only new opportunities, but can also enable significant savings in ink consumption, mounting tape and the clichés themselves.



Owner and Managing Director Mathias Klein and the new HELL PremiumSetter® S1700

Since 2012, customers of the new direct laser engraving business unit at BIRKAN (Eching am Ammersee, greater Munich area) are also profiting from these advantages. Demand is developing so well that the company installed a new fiber laser system in April. The third-generation family-run company selected a PremiumSetter® S1700. This new system is equipped with a wider cylinder and already utilizes Hell's new dual-beam technology. The result: Elastomer printing forms for flexible packaging, labels or coating applications can be engraved in an environmentally friendly manner – and now twice as fast as before.

The new cylinder width of 1700 mm also enables production of the printing forms specifically needed in the packaging area, up to the 6 format. Here in particular, response to the laser-engraved forms for partial coating is especially good. This is due certainly to the exceptional image resolution, generated among other things by the only 10 µm-thin laser beam, which enables a new level of quality processing.

Since the beginning of the year, laser-engraved flexographic printing forms from Eching have also been sold by Hans Kappl GmbH & Co KG, a printing plate manufacturer and pre-press provider that belongs to BIRKAN.



On the safe side

Your competent partner for inspections to ensure that installations comply with all accident prevention regulations

Periodically, one hears about transports with cranes or storage and retrieval devices that end in accidents. This risk can be minimized. Bauer Customer Service is available at any time to help customers with safety-related questions. We are also happy to make sure that your equipment complies with all accident prevention regulations over its entire lifecycle.

At Bauer Logistik, we have the qualifications to arrange required acceptance inspections before a crane goes into operation, as well as to carry out all required periodic inspections and those that must be done after significant changes to them. After all, compliance with safety principles is mandatory to avoid endangerment. This is true not only for employees who work directly with such machinery, but also for persons who are in its immediate vicinity.

In the interests of our customers, we thus prevent all dangers that can result from possible failures from components or the absence of safety devices.

Pre-examinations and inspections are usually done by our own expert technicians. For final acceptance testing before a crane goes into operation, however, we commission an independent crane expert.

In addition to the inspection, equipment must be regularly maintained at specified intervals by

trained personnel who follow the maintenance plan. We can also carry out these measures at your request. Please contact us for an individual offer.



GEMINI and Inline



GEMINI compact



New Spectrum Engraver for Anilox

Advanced technology for the Croatian cylinder engraving company

Anilox is among the leading cylinder engraving firms in Croatia. It continually invests in its Žminj plant – and of course, in systems from Ohio.

In April 2014, Anilox added a newcomer to its high-quality technical equipment park: a Gravostar Spectrum.



Eric Serenius, President of Ohio Gravure Technologies and Zdenko Mocibob, President of Anilox.

For his new Spectrum, Zdenko Mocibob, the company's President, selected the hybrid engraving variant because he wants to offer his customers the best cylinder engraving results possible.

Anilox is a leading provider of prepress processes and cylinder engraving for the flexible packaging and decor industry. It is considered to be an innovator that always finds the right solution for its customers. In addition, Anilox is certified in

accordance with DIN ISO 9001:2000 requirements as well as committed to environmentally friendly, sustainable action.



The new Spectrum in the production hall of Anilox

Thanks to its expert and creative employees, Anilox has grown from a local to a globally oriented enterprise.

Ohio Gravure Technologies is pleased to now have one of its new Spectrum engraving machines in Croatia. Although Spectrum products achieve good sales worldwide, Ohio-GT is nevertheless quite happy about its rising sales in Europe.



High Quality with Collage Layout

Individual images placed multiple times achieve better printing results than multiple images placed once

The Collage Layout System from Ohio Gravure Technologies was designed especially to create layouts for engraving packaging cylinders. It comes with an image snapping function that places individual images – such as labels and barcodes – over the entire surface of the cylinder, which achieves color-balanced printing results.



The image snapping function in Collage provides color balance of individual images on the entire cylinder.

Often, when graphic artists are asked to design labels, they create a complete image with multiple copies of the same label. This complete image is then used for the cylinder layout. The disadvantage, however, is that the same engrave values can only be applied to the entire layout on the cylinder.

The Collage image snapping function enables a different process. The operator gets an individual image and then specifies how often this image, e.g. a label, must be placed on the cylinder to print the desired quantity at the lowest cost. By activating the image snapping function in the layout grid that engraves the cylinder, Collage shifts each of these images by a tiny value so that it always starts on a full engrave revolution. Due to this, the image density values for each of these automatically assigned positions in the cylinder engraving layout grid are as close as possible.

The Collage Layout System creates cylinder layouts with individual images that must be printed multiple times in high quality, and can be used with engravers from Ohio, Daetwyler or HELL.

Lüscher Technologies on the road to success in America

Cooperation bears fruit

In close cooperation with K.Walter Service Group in Inman, two Multi DX 220 UV systems were sold to a renowned American label manufacturer.

The machines will be installed in the company's US and Latin American plants and used to produce digital rotary screens.

Another Multi DX UV will soon be installed in a glass finishing company in the US. Screen printing is also used to print on glass, but in contrast to label printing, only flat screen stencils are required. The mesh is stretched and glued to an aluminum frame, after which a photochemical emulsion is applied. The stencil is then exposed directly and with unprecedented visual quality in the Multi DX 220 UV in the 405nm wavelength range. No time-consuming intermediate steps such as film production and manual frame copies are necessary, making this process especially fast and economical.