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## drupa 2016: Positive balance for Heliograph companies

**The Heliograph stand became a popular meeting place for competent professional discussions.**

**For the first time, Heliograph presented – in addition to gravure printing and flexo – the complete range of printing form manufacturing.**

**High visitor turnout, exciting discussions, positive feedback - this is the positive conclusion for Heliograph companies at the drupa 2016. Impressive live demonstrations of machines, new solutions, and systems for form production were well received.**

The one-of-a-kind drupa remains the world's largest and most important trade fair for print and cross-media solutions. Nowhere else can one find so many small innovative companies exhibiting next to the top global firms. This was again true this year. Yet another development was likewise reinforced: drupa is no longer purely a sales show. It has increasingly become a sophisticated information fair.



*The Heliograph Team at drupa 2016*

This impression was highly evident at the Heliograph stand, which included HELL Gravure

Systems, OHIO Gravure Technologies, Schepers, Lüscher Technologies, K.Walter, Daetwyler Graphics and Bauer. The demonstrations of the many new technologies and solutions for the future of gravure printing were very well received. Among other things, visitors could learn about gravure and flexo imaging methods.

The Process Lounge also attracted great interest and was visited by a surprisingly large number of professionals from all over the world. It was a popular meeting place where professionals held fascinating discussions about new developments, trends and general experience in the industry.

A big highlight was of course the stand party and its Bavarian atmosphere, which was yet another opportunity for branch insiders to get together and chat about gravure printing. In addition to many culinary delicacies from the Alpine region, traditional live music was also offered.

Trade visitors from around the world were very enthusiastic.



## drupa trend confirms HELL success

### Many new orders for market leader at the drupa

**"High Performance and High Quality" was HELL's motto at the drupa 2016. The company presented many cutting-edge developments for engraving machines and direct laser systems for the gravure and flexographic printing markets. The leading company for the production of engraving systems recorded a large number of orders and is tooling up for brisk after-fair business.**

Everyone at HELL is extremely satisfied with the results of the drupa 2016. The Kiel-based company came away from the fair with very good results. Many orders were booked during the 11-day fair.

This positive trend seems to apply to the entire fair. The drupa presenters also say that the fair was a complete success. It was characterized by excellent business transactions and an excellent investment climate:

- 54 percent of visitors came with concrete investment intentions
- 29 percent signed contracts during the drupa
- 30 percent plan on signing contracts after the drupa

Under its motto "High Performance and High Quality", HELL presented many new developments in the field of engraving machines and

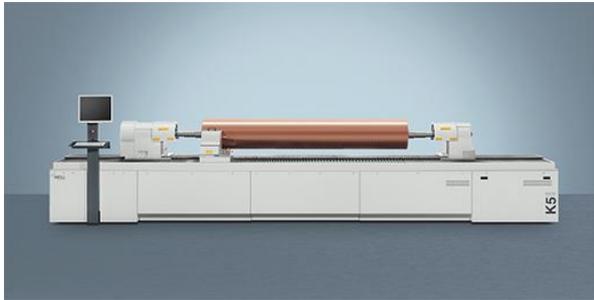
direct laser systems for the gravure and flexographic printing markets. In addition, the company demonstrated performance increases in established machines as well as upgrades of successful models with interesting new features.

By presenting the next generation of the Helioklischograph K500, HELL once again demonstrated a new landmark in engraving technology. The biggest innovation in the K500 G4 is an integrated SprintEasy measuring cell. It enables the K500 to factor in the engraving stylus' current state before each engraving process. This state can then be compensated for during the CellEye process. For the first time, the engraving stylus - a mechanical tool that is subject to wear - is a variable that can be continuously controlled online during the manufacturing process. In coming years, the K500 G4 with integrated SprintEasy will significantly contribute to further minimization of tolerances in cylinder engraving.



K500 G4

With the K5 Smart XXL, HELL presented a new large-format engraving machine. For the first time, cylinders with large working widths, such as in decorative printing applications, can be engraved with the CellEye cutting procedure, which has proven itself a thousand times over for publication and packaging applications. CellEye is based on volume-oriented measurement of engraving cells and enables unique repeat accuracy for gravure cylinders.



*K5 Smart XXL*

HELL presented two new performance packages for the Cellaxy direct laser. For one, the new High Performance Package - which can also be retrofitted on older machines - increases productivity by circa 60-80% over the standard machine. Secondly, since the drupa, a dual-beam version with two 600 W laser sources is available, which provides twice the performance. Both packages can be combined to make Cellaxy C500 the world's fastest direct laser in gravure printing.



*PremiumSetter S3000*

For the Premium Setter S1700, HELL demonstrated its greatly improved handling of flexographic printing plates to the professional audience. In particular, plates with metal backs, as are used to print cups, cans and tubes, can now be conveniently and quickly mounted on a vacuum drum. As in the past, the S1700 can be easily converted for sleeve imaging.



*Cellaxy C500*

With the premiere presentation of the PremiumSetter S3000, HELL unveiled the world's fastest direct laser for flexographic printing applications. The S3000 features up to 4 laser sources with a total capacity of 2400 W, which doubles the previously existing performance in this market segment. For the first time, the over 3 m working width for flexopresses now provides the advantages of high-resolution direct engraving for the large print-width segment.



## HELL Engraving Head Center modernized

### Customers worldwide benefit from more effective and shorter maintenance processes

**As a market leader, HELL Gravure Systems wants to give its global customers the perfect engraving technologies as well as optimum service. To respond to the steadily rising numbers of engraving heads that must be maintained, and to simultaneously reduce maintenance turn-around time, HELL has modernized its Engraving Head Center in Kiel.**

Not only the space, equipment and number of measurement and workplaces have been modernized, but also the material flow within the maintenance process. The goals of the optimized Engraving Head Center in Kiel are to shorten turn-around times as well as better adapt capacities to fluctuating monthly needs.

Specifically, the space previously used both for new production and maintenance is now dedicated only to the maintenance process. New production has been moved to an area in the machine assembly department.

Furthermore, HELL has combined the process steps required for engraving head maintenance so that only six work stations are needed – with roughly the same hours. Each station has capacity reserves. Backlog at one work station can quickly be eliminated by shifting personnel. All engraving head maintenance employees are trained for work at several stations. Regular sta-

tion changes ensures that their skills are always up-to-date.

The Kiel-based company also eliminated bottlenecks at measurement workplaces and auxiliary tools by expanding the respective places. This process is permanently pursued.

"For our customers, this means we can provide reliable dates for return of their serviced engraving heads. All customers throughout the world benefit from this," says Bernd Lensch, team leader for HELL engraving head assembly.





## Janoschka invests in new Cellaxy generation

**As a leading supplier in the packaging market, Janoschka has invested in the latest generation of future technology Cellaxy by Hell Gravure Systems. The installation of the C500 Direct Laser at Janoschka's largest production site in Kippenheim is scheduled for the autumn.**

The Kippenheim installation will be the fourth Cellaxy Direct Laser within the Janoschka network and serve customers from a variety of different industries, including tobacco and flexible packaging.

Optimised for packaging print and embossing, Cellaxy is capable of producing line cylinders in etching quality as well as premium-quality embossing cylinders (Real 3D). Cellaxy's flexibility really shines through within the half-autotypical engraving environment of the HELL workflow. Every tool of a cylinder set can either be lasered with Cellaxy or engraved with a Hell Helioklischograph. During printing, the cylinders are guaranteed to be a perfect match.

"For our customers, the added value lies mainly in the breadth of production technologies we are able to offer. Naturally, we therefore invest in new techniques in order to further increase the added value for our customers and react to their market requirements", explains Dietmar Buchholz, Managing Director at Janoschka Deutschland GmbH.

### About Janoschka

Janoschka, headquartered in Kippenheim, Germany, has significant expertise in the pre-press area and, with more than 1,200 employees plus an annual turnover of 92 million euros, is among the global market leaders in its sector. Specializing in the packaging, tobacco, security and decor market, renowned global printing companies and international brand owners count among Janoschka's client base. As a full service prepress provider Janoschka has a comprehensive product range and, based on a wide-ranging technical know-how and long-standing experience, offers printing tools for gravure and flexo printing, embossing rollers, artwork & reproduction, colour management, cylinder bases and much more besides. The company which was formed in 1976, and continues to be family-run, is represented globally through 24 subsidiaries in fourteen countries across Europe, Asia and South and Central America.

[janoschka.com](http://janoschka.com)



*Dietmar Buchholz, Managing Director Janoschka Deutschland GmbH*



*Janoschka site in Kippenheim/Southern Germany*



## Prism for advanced users

### OHIO's product line now includes the new Prism Prime engraver

Due to its high productivity and flexibility, the Prism engraver from OHIO has made a name for itself worldwide as an entry-level machine. With the new premium version of Prism Prime, OHIO offers additional features for even better engraving consistency and usability.

The standard Prism engraver from Heliograph company OHIO Gravure Technologies has proven itself worldwide with its robust Vision 3 engraving head, which engraves flexible packaging and decorative images at a speed of up to 8,600 cells per second. With the simplified test cutting procedure, which features a head-mounted microscope and large-format touchscreens, job setup is fast and easy.



*Prism Prime engraver*

If Prism convinces with its manual shoe, burr cutter and focusing mechanism, the productivity and effectiveness of the Prism Prime engraver has been further increased by its new, automatic engraving head setup and motorized shoe and burrcutter mechanism. Now, users only need to

load the cylinder and position the carriage. This adds up to a major simplification for certain application areas and a plus in engraving consistency and user-friendliness.

In regard to machine size, cylinder sizes and standard features, the Prism Prime is identical to the proven Prism. The Prism Prime continues to impress with its widescreen and stylus range, various cylinder sizes and various special engraving options.

The "Vista Cell" setup developed by OHIO especially for Spectrum engravers is likewise available for the Prism Prime. Vista uses several sensors for depth and width entries and thus enables the most accurate standard cell setup on the market. The stylus tip calibration procedure guarantees that the stylus and shoe assume the correct relative positions after a change of the diamond cutting tool. The integrated database even allows users to keep track of the stylus service life. For unstandardized screens, the Prism Prime QuickCell provides a semi-automatic process that allows fast, efficient review by operating personnel. This automatic cell setup process opens the door to OHIO's self-documented cylinder, which ensures high quality.



The new DocuCell™ recording system speeds up a previously laborious process by automating the frequently used manual measurements needed for cylinder verification. The Collage operator

defines the area of the job to be measured.

On the engraver, these areas are automatically recorded and likewise automatically measured by Vista; the values and cell images are then noted on the expanded birth certificate.

Last but not least, the well-known Hybrid engraving system is available as an additional feature both for the Prism as well as for the Prism Prime.

To sum up, OHIO Gravure Technologies' new expanded Prime variant is an even more productive alternative for users who appreciate the performance of the proven Prism engraver but want more than an entry-level solution.



## Lüscher technology now in dlpic

### Lüscher Technologies AG and dlp Imaging Corp. conclude an OEM contract

The dlp Imaging Corporation (dlpic) has extensive experience with technical and industrial screen printing markets in parts of America and Asia. By now using Lüscher systems, the company wants to meet the demands of its most sophisticated customers, who have until now avoided computer-to-screen systems for quality reasons and still expose their screens using conventional film.

The large branch get-togethers at the drupa 2016 were used by the Swiss Heliograph company Lüscher Technologies AG to develop new markets with a new partner. Lüscher signed a long-term contract with the US experts for technical and industrial screen printing, dlp Image Corporation (dlpic). The agreement allows the American company to sell Lüscher Multi DX 320 and 340 systems in certain regions and markets under its own label and brand colors. It covers markets in the USA, in South America and in various countries in Asia, such as China, Taiwan and Japan.

dlp Imaging Corporation has already gotten off to a great start in its US American home market. The company wants to sell the machine under its fineLine direct Laser label! Powered by Lüscher Technologies. The first system is now in production at Lüscher and will be exhibited and demonstrated live in September 2016 during the Las Vegas SGIA Show at the dlp Imaging Corp. stand. After the show, the machine will be in-

stalled in a demonstration center in Ohio.

There, future customer demonstrations with all popular screen printing technologies, including capillary film, liquid emulsions and pre-coated textiles, can be made. dlp Imaging Corp. wants to develop and operate the demonstration center together with one of the leading service providers for screen stencils in the USA.

With a high optical resolution of up to 5080 dpi and the proverbial Swiss precision engineering, dlp Imaging Corp. wants to address the most demanding customers in technical screen printing. Such customers have previously feared quality losses when using computer-to-screen systems and have preferred to expose their screens via conventional film. Lüscher now hopes that its high-precision technology can convince these dlp customers and that sales in this special market will greatly increase. These developments will be interesting to watch!



*Peter Max Weber, President dlp Image Corp*



## Laptop and Lederhosen

### drupa 2016: Heliograph's Bavarian stand party a hit!

The Who's Who of the industry celebrated and networked during the Bavarian-themed Gravure get-together held in cooperation with ERA at the Heliograph stand. It encouraged the exchange of ideas, developments and trends in a friendly atmosphere.



*A Bavarian party ...*

Hello drupa! Due to its site location in Krailling – part of Munich's greater metropolitan area – the Heliograph Holding naturally feels a great kinship with the Bavarian way of life – reason enough for a Bavarian party. Bistro tables laden with pretzels and the typical "radi", or radish, appeared during ongoing fair operations at the joint Heliograph stand – seemingly out of thin air. They were set up between engraving machines, plating equipment and surface processing machines.

The joint Gravure get-together of Heliograph and the European Rotogravure Association (ERA) placed Bavaria front and center in the Rhineland. It was now time to combine Bavarian colors – white and blue – with the corporate colors. And for an even bigger surprise, a number of stand

personnel had suddenly exchanged their business attire for traditional Bavarian costumes.



*... with lively traditional music*

But before the party was opened with a proper fanfare, Max Rid (Heliograph Holding) and James Sievers (ERA) held refreshing opening speeches. In addition to Bavarian delicacies and beer as well as Alpine Pop and Rock, the Heliograph Holding made every effort to present an event that visitors would long remember. A traditional brass band with seven musicians from Allgäu traveled all the way to the drupa just for the party. Their lively traditional music stoked up the party even more.

Many international guests enjoyed the refreshing atmosphere at the stand. The Far East met Europe; the Latin American temperament mixed with homey Bavarian attitude. But the inevitable, untranslatable Bavarian expression "passt scho" (more or less "everything A-okay") quickly bonded the different mentalities and made it easy for them to discuss news and trends. At the end, all were in agreement: The evening was a huge success.



## Athletic: K.Walter at B2RUN

### Six-person team places in respectable middle range at the corporate challenge race

Even though the annual B2RUN corporate challenge race is known for its unique atmosphere, the amateur athletes also want to deliver a convincing performance. The K.Walter team thus prepared meticulously for the big day.



K.Walter team at B2RUN

The famous B2RUN corporate challenge race always promises high spirits. Participants come from many different companies based in Munich and the surrounding area - including big teams that bring their own massage teams like the professionals, down to small groups that proudly represent their companies. It's obvious that the Munich-based company K.Walter would also take part with a highly motivated six-person team of runners.

Even if the "workplace" was shifted to a 6.2 km long course beginning and ending in Munich's Olympic Stadium, the participating K.Walter employees went all-out in terms of their ambition and performance. Everyone wants to top his personal best! To ensure that this would happen, the team from Munich's galvanic experts trained intensively under the expert guidance of K.Walter employee Alina Ivleva.



*On the run ...*

At last, July 14 dawned. Perfectly prepared and outfitted with specially designed company t-shirts depicting motifs with measurement instruments and systems, the runners went to the course. Not only the athletes were in an excellent mood. Above all, the fans from the companies, who were watching along the route and in the Olympia Stadium accompanied the race with music and banners and created a phenomenal "event feeling".

The performance of the K.Walter team was quite impressive. They crossed the finish line of the B2RUN 2016 in a good mid-range position. Respect! Opinions after the event were unanimous. The company's participation was well worth it even counting only the tremendous team spirit and enormous enthusiasm of all participants and spectators.

Now: After the race is before the race. Training for the next B2RUN in 2017 will soon start again.



To have your CFM retrofitted with the new Performance Package, please contact Daetwyler Graphics Service.

## New Turbo for the CFM P

### Performance Package significantly shortens cylinder processing time

All users of the CFM P from Daetwyler Graphics can now enjoy shorter cylinder processing times. The newly developed Performance Package can significantly increase cylinder output. Daetwyler Graphics achieves this through specific optimization steps in various hardware and software components.

For one, the new Daetwyler Graphics Performance Package increases the performance of the CFM P many times over. For another, it significantly contributes to the long-term value of the CFM P. The package not only scores with a cylinder revolution of now 1500 rpms, which is a major increase of cutting performance. With a grinding stone speed of 600 rpm, it also reduces grinding processes by an enormous factor. The Performance Package additionally provides even more accurate cylinder geometry of the CFM P and an improved algorithm for rotational variants.

Retrofitting any CFM P built as of 2009 is simple and uncomplicated. Service technicians from Daetwyler Graphics can complete this in two to three days and simultaneously implement the new grinding programs.

In detail, the CFM P upgrade includes:

- Cylinder drive with new gear ratio
- Polishing stone drive with max. 600 rpm
- New software version
- New algorithm for rotational variants
- Optimized grinding program adapted to your needs
- Newly developed vibration dampers
- New measuring unit



*The CFM P: Significantly increased performance ...*



*with the new ...*



*... Performance Package*



## drupa success formula: CFM

### Daetwyler's new CFM generation highly praised by professionals from around the world

**An eagerly awaited, completely successful premiere: For the first time, Daetwyler Graphics presented its further developed CFM machines at the drupa 2016. Their claim: CFMs will accelerate gravure cylinder processing and make it more efficient. Professional visitors from Asia were especially impressed by the results.**



*Daetwyler Graphics at drupa 2016*

During optimization of their successful CFM machine for processing axial and hollow cylinders, Daetwyler Graphics engineers put considerable effort into creating an even better product. Daetwyler promises even more efficiency and reliability with lower utility and maintenance costs. Professional trade visitors from around the world admired the results at the drupa 2016, which took place from 31 May to 10 June in Dusseldorf.

Reactions to the many live demonstrations at the Heliograph stand were very positive. In particular, new features such as an integrated measurement system met with very great interest. Above all,

visitors from Asia and India praised the quality and even better productivity, frequently deciding to purchase one of these advanced machines. A key factor in this regard was that the new CFM generation processes cylinder surfaces and radii completely automatically and can be easily integrated into automatic production lines.

Thus, Daetwyler's new CFM product lines once again fulfilled the high needs and demands of customers worldwide and simultaneously kept the promise it had made in advance. Through this success, the leaders of the Swiss Heliograph company Daetwyler Graphics are obviously very satisfied with the drupa 2016. They highly rate the cooperation with colleagues from other Heliograph companies at the common stand. We are looking forward to drupa 2020.



## New CFM changeover system

### EasyLock enables fast, cost-effective exchange of cutting plates

**Daetwyler Graphics is offering users of its CFM machines a very efficient and improved process for exchanging cutting plates. The newly developed Easy Lock CFM changeover system lets operators easily replace these outside of the machine with only a few easy steps. CFMs built from 2009 on can be retrofitted to the cost-cutting changeover system.**

EasyLock CFM makes switching CFM cutting plates an easy and time-saving matter. While one EasyLock CFM is in use, the operator simply changes the cutting plates of the second EasyLock CFM outside the machine with a few easy steps. EasyLock has a further advantage. The standardized cutting plates have very low size tolerances that enable rapid cutting. Daetwyler's EasyLock system family includes additional useful tools that reduce unproductive machine times to a minimum. Companies save time and money during the cylinder machining process.

The EasyLock CFM T-Cut with the proven "T-CUT-CFM" triangular plate and side processing plates is the ideal tool for ball surfaces and side surfaces. The trick: The central adjustment screw on the plate holder now allows the cutting height to be even more accurately set. The cutting angle can be readjusted at any time. The T-Cut CFM cutting plate is especially suited for copper and chrome processing.

The EasyLock CFM Surcut is used for the round Surcut plate. This plate is considered to be the

marathon man of all cutting plates. When its cutting quality decreases, it can be rotated by a few degrees to again achieve cutting results that equal those of a new plate. The service life of this copper cutting plate is from 5-7 times longer than cutting plates with other geometries.

EasyLock CFM SteelCut is used when steel must be ablated. This holder with steel cutting plates is very suitable for producing a uniform cylinder surface for further processing in the copper bath.

The EasyLock CFM Body is a novel normalized steel bracket that greatly reduces setup time. It serves as a base holder for all EasyLock CFM brackets.

Retrofitting a CFM machine with the new Easy Lock CFM can be completed any time by a Daetwyler Graphics service technician.



*Easylock CFM T-Cut*



*Easylock CFM Surcut*



*Easylock CFM SteelCut*



*Easylock CFM Body*



## Success story in the Middle East

### Daetwyler has provided the first complete production line for Jordan's Rotogroup

**February 2016 - Premiere at Jordan Rotogravure in Amman, Jordan: Daetwyler Graphics was asked to deliver the first complete gravure printing cylinder production line to the company from the successful Rotogroup Kilani family of companies. Managing Director Riyadh Kilani sees this as a strong vote of confidence in its long-time Swiss partner.**

Jordan Rotogravure is the leading Middle Eastern company for the manufacture of flexible packaging. As part of the Rotogroup Kilani family of companies, it has sworn by the high-precision products of the Swiss company for many years. In February 2016, the Jordanians thus decided to install a complete line for the production of gravure cylinders in its Amman plant.



Alexander Schotten, Riyadh Kilani

Riyad Kilani, Managing Director of the Rotogroup Kilani family of companies, praises Heliograph's trend-setting technology. He sees the purchase of the new complete product line as a strong vote of confidence in his long-time Swiss business partner, which he views as a key reason for his company's success.

"We, the Rotogroup team, are very pleased to announce an important expansion of our production capacity. Our company is the best example for demonstrating that high-quality professional machinery is essential for delivering peak performance and gaining the confidence of one's customers. We thank Daetwyler Graphics and its team as our privileged partner for wanting to be part of our great success story," said Riyadh Kilani enthusiastically as he closed a business transaction with Daetwyler.

Daetwyler Area Sales Manager Alexander Schotten was also pleased: "We are very proud to participate in this important project through the use of high-quality Heliograph technology, and to help our long-time partners and friends at the Rotogroup."

With this, the close relationship between the Heliograph companies and the Jordanian Rotogroup Kilani family of companies remains what it has been for years: a very special success story.