



DAETWYLER

Flexible Packaging invests in Finishstar P 1610

Specially developed for Japan

Cutting-edge technology performs best

One-stop solutions

HELL

Kiel is host to the world

Razor-sharp direct laser engraving for high-quality flexographic printing

Heliograph establishes its own branch office in China

Chinese premiere

Innovative Elastomer printing forms for the revolution in flexographic printing

K.WALTER

No fog, no foam, no PFOS

Welcome recognition

OHIO

Engraving large cylinders quickly and efficiently



Flexible Packaging invests in Finishstar P 1610

Since its market launch, the latest addition to the range of polishing units at Daetwyler Graphics has met with great success



Flexible Packaging Company, which is based in Jeddah, became part of the Saudi Printing and Packaging Group in 2008 and is a leading company in the production and printing of flexible films for the food and non-food industries in the Middle East.

“Our cylinder production is the key to ensuring we can meet ever increasing quality demands in the printing process,” says Adel Nasraddin, Managing Director of Flexpack, adding: “that is why we decided to invest in the latest generation Finishstar P 1610 Cu/Cr.” Thanks to this move, the company can now implement thin-layer copper processes with complete reliability. The measurable consistency in cylinder surface roughness also optimizes the reliability of

printing processes and reduces waste.

By acquiring the new polishing machine, Flexpack has equipped itself perfectly for the ever growing demand for cylinders.

Further information can be found in Edition 03-2014 of the helioscope newsletter – “[Market launch of the Finishstar P1610](#)”



Specially developed for Japan

Daetwyler Graphics introduces a new chrome polishing head for its Finishstar P 1410 CR

Nabe Process – a leading manufacturer of highly-quality gravure cylinders with several branch offices in Japan – drove the development of this new polishing head. HELL Gravure Japan was responsible for the ambitious project.

The new Finishstar P 1410 CR was specially developed to meet the high Japanese requirements for chrome polishing. It is now an integral component of the Chromeline installed by K.Walter at Nabe in Osaka. After start-up, Nabe defined specific additional requirements that went beyond the system's guaranteed features. Daetwyler Graphics gladly took on this challenge and developed a special chrome polishing head that now easily accomplishes the surface characteristics needed by Nabe and is equally convincing when printing. The Finishstar P 1410 CR, newly developed in collaboration with the customer, now grinds the complete surface of chrome-plated cylinders with variable polishing angles and optimal speed – as well as to Nabe's complete satisfaction.



The new Finishstar P 1410 CR developed with Nabe



Cutting-edge technology performs best

Perfect cylinder face machining ball handling with the "DG T-CUT-CFM" precision cutting plate

Daetwyler Graphics supplies CFM and Polishmaster tools. These systems are known throughout the printing industry for their high quality and productivity.

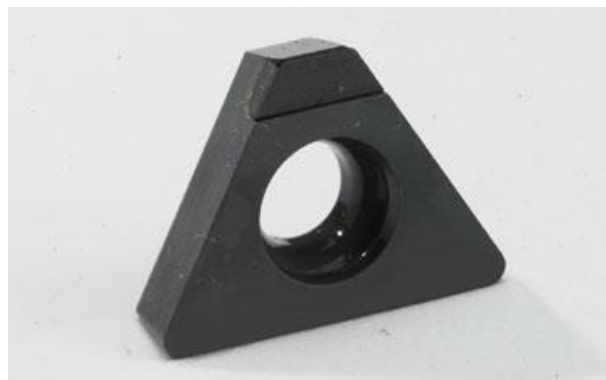
The "DG T-CUT-CFM" cutting plate from Daetwyler Graphics is a good choice when high-precision cylinder face machining coupled with the finest surface structure counts.

DG T-CUT-CFM is a highly precise cylinder face machining tool produced under narrow tolerances.

The cutting plates are sorted before packaging. This ensures that customers always receive ten nearly identical tools. After replacing, minimal calibration time is required so that production can resume very rapidly.

The DG T-CUT-CFM is distinguished by these features:

- Highly precise cylinder face machining
- Finest surface structure
- Long tool life
- For chrome and copper surfaces
- Special cutting angle for more process reliability



"DG T-CUT-CFM" cutting plate



DG T-CUT-CFM (Art. No. : 115.870.029), sorted 10-unit package for maximum size equality



VCGT lateral turning tool (Art. No.: 207622)

- Minimal calibration time
- Very high parallelism
- Sorted packaging for maximum size equality

The cylinder face machining tool is ideally supplemented by the VCGT lateral turning tool.

You will profit from cutting-edge DG technology during the entire cylinder processing.

Not only efficient, but a good value as well!

For your next order before **April 30, 2015**, Daetwyler Graphics will give you two DG T-CUT-CFM for free the price of one (offer only good once).

- Minimum order quantity: One package (10 units)
- Order with any Heliograph Holding company or one of its partners



Cutting-edge Technology from Daetwyler Graphics



One-stop solutions

Original products for superior results

For high-quality results when preparing cylinders, individual production steps must be as optimally coordinated as possible. In this respect, the consumables involved also play an important role. Customers are always on the safe side with original Daetwyler Graphics products because they are recommended by the manufacturers of the production equipment.

Galvanics, engraving or finishing – complex processes take place in the prepress phase during cylinder preparation – even before an engraved print template can be incorporated into the printing or embossing machine.

Daetwyler Graphics supports the complete preparation process with suitable production machines such as the CFM, Polishstar, Finishstar, Gravostar and Laserstar. With its consumables, DG also contributes to the maximum possible quality. As a "one-stop shop", DG can successfully increase process reliability and considerably lengthen the service life of production equipment. All in all, this greatly adds to the economic efficiency of investments.



In the machine maintenance division, DG primarily offers **filters, oils and greases** for regular service.

The portfolio is complemented by long-tested chemicals for galvanics. These include the **DG LP Cleaner** for degreasing and **DG Cupro Hard** for copper-plating cylinders. **DG Chromosal** chrome plates the engraved cylinders for use in the printing press.

Top products are also available for surface preparation. The new **HelioGrind®HG** grinding stones are distinguished by their good price/performance ratio and long service life. The **3M** polishing tapes have various grades of grinding roughness and are used to obtain the surface structures in μ -range demanded by the industry.





Kiel is host to the world

HELL holds international service manager meeting

End of 2014, Bauer Logistik, Daetwyler Graphics, K.Walter, Ohio Gravure Technologies and HELL Gravure Systems met with the service managers of almost all its worldwide branch offices and subsidiary firms for a joint conference in Kiel.

The service managers received extensive information about new products and the special features related to servicing them. The goal of the conference was to develop the already high quality standards of the companies' products even further at the international level.

Naturally, the meeting participants used the opportunity to maintain contact as well as hold lively exchanges and personal conversations. Everyone agreed that the conference was very productive and provided great assistance for day-to-day business collaboration. The next conference of this type will presumably take place in two years.



From left to right:

Back row:

Michael Schröder, Hans Siebke/both HELL Gravure Systems, Sascha Danelzig/Bauer Logistik, Robert Fasan/K.Walter, David Puchol/Mega ATR Spanien, Michael Fürholzer/K.Walter, Mathias Meuli/Daetwyler Brazil, Hauke Militzer/HELL Gravure Systems, Roland Stoufflet/Daetwyler-HELL France, Christian Ronecker, Oliver Koch/both Dr. Wirth Service Germany, Burghard Michaelis, Petra Merbach/both HELL Gravure Systems

Middle row:

Chris Winter/Ohio Gravure Technologies, Yuichi Watanabe/HELL Gravure Japan, Bernd Lensch/HELL Gravure Systems, Graham Hodgson/Flexo Gravure Service England, Steve Parris/K.Walter Service America, Mirko Mauro/ETS Italy, Sigg Rostock/Mega ATR Spain, Michele Camporeale/ETS Italy, Sven Diedrichsen/HELL Gravure Systems, Chris Buyn/Kohell International Korea

Front row:

Rolf Meyer/Daetwyler Graphics Switzerland, Francisco Rodriguez/Daetwyler Iberia Spain, Petro Ramos/Arprint Argentina, Daniela Delfs/Graphelectronics Greece, Tomoko Fujimura/HELL Gravure Japan, Eduardo Labra/Daetwyler Mexico, Sudhier Dothey/Daetwyler Graphics India, Dr. Ralph Jakob/Bauer Logistik, Konstantin Kruk/HELL Russia



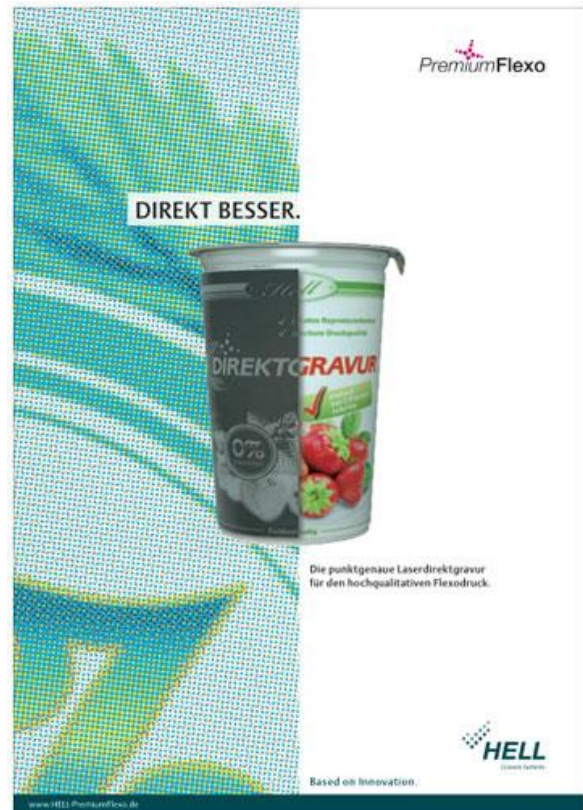
Razor-sharp direct laser engraving for high-quality flexographic printing

Detailed information about PremiumFlexo

Use our convenient service,

www.premiumflexo.de/download-premiumflexo-brochure,

to download our new 12-page brochure containing all facts, data and other interesting material on this economical procedure.





Heliograph establishes its own branch office in China

The Heliograph Holding and all of its products and services are now represented in HongKong, Beijing, Shanghai and Shenzhen



China is becoming an important partner in the printing industry. This led to Heliograph's decision to reinforce its presence by opening a branch office.

Almost as many packaging gravure cylinders are produced here annually as in the entire rest of the world. The development of print and form production capacities – as well as the quality requirements for print products – are growing rapidly and reaching international levels.

Due to geographical circumstances and regional customer requirements, the Heliograph Holding has founded the two subsidiaries "HELL Tech-

nologies (China) Co., Ltd." and "HELL Gravure Technologies (Beijing) Co., Ltd.". With sites in HongKong, Beijing, Shanghai and Shenzhen, these firms represent all products of the Heliograph Holding.

In addition, further notable manufacturers in the print industry that do not belong to the Holding are also offering their products in China via these branch offices. Experienced, qualified employees at HELL Gravure Technologies (Beijing) provide this service for all represented brands.



Chinese premiere

Newly established HELL Technologies Co., Ltd with first trade fair appearance in Shanghai



The highly renowned Asian trade fair for the print industry, "All in Print", was last held in Autumn 2014. The newly estab-

lished Heliograph Holding subsidiary HELL Technologies (China) was there for the first time. Other partners including SwissTec, Renzmann and New Celio also participated.

With Daetwyler Graphics, HELL Gravure Systems, K.Walter, Bauer Logistik, Schepers, Ohio Gravure Technologies, HELL Gravure Technologies (Beijing) and Lüscher, all brands in the Heliograph Holding were represented at this important show. In addition, HELL Technologies introduced further notable manufacturers to the Chinese printing industry, some of whom were also personally present.

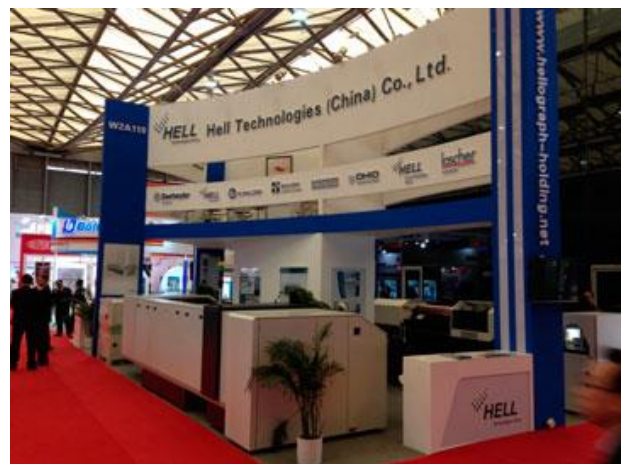
Trade fair visitors could view systems from HELL, Daetwyler China/OHIO as well as HELL Gravure Technologies (Beijing).

The focal point of the booth in Shanghai was the ten-ton, nearly six-meter wide Cellaxy C500. After the show, the direct laser, made especially for embossing and gravure printing line work cylinders, was installed in the plant of a customer located in southern China.

HELL Gravure also demonstrated its new K5Smart, a semi-automatic engraver designed especially for markets with high quality standards that do not have fully automated systems. For the first time, this variant provides such features such as CellEye, the Cellgurad automatic focus camera, sequential engraving or engraving checks, as does the K5.

Daetwyler China/OHIO presented the new Gravostar S2, which has a number of product improvements over the preceding model. This machine is produced in Shanghai and has proven quite successful in Asia.

A completely new and for many clients surprising product was the 3D scanner from HELL Gravure Technologies (Beijing). It records structures and three-dimensional surfaces with special scanning technology and then provides the results as a data record that can be further processed. HELL Gravure Technologies is now planning the worldwide marketing of this scanner.



The representative appearance of all Heliograph brands at the "All in Print" booth in Shanghai



Innovative Elastomer printing forms for the revolution in flexographic printing

Interview with Heinz-Gerhard Wentz, Member of the Executive Board of Continental AG and CEO of the ContiTech Division

First-hand background information! Heinz-Gerhard Wentz tells you why the market for flexographic printing forms is a clear future market as well as what you can expect from the Elastomer Coatings business unit.

www.premiumflexo.de/interview-contitech

The screenshot shows the PremiumFlexo website interface. At the top, there are navigation links: HOME, PREMIUMFLEXO, PRODUKTE, SERVICE, and KONTAKT. Below the navigation is a decorative banner with a colorful, abstract pattern. The main content area features an interview titled "INNOVATIVE ELASTOMER-DRUCKFORMEN FÜR DIE REVOLUTION DES FLEXODRUCKES". The interview is with Heinz-Gerhard Wentz, a member of the Executive Board of Continental AG and CEO of the ContiTech Division. The text discusses the market for elastomer flexo printing materials and the company's commitment to innovation in this field.



No fog, no foam, no PFOS

The Helio® Chrome Wetting Agent FF from galvanics specialist K.Walter

An innovative wetting agent for chrome baths with clear advantages for the user – available immediately.

Fog and foam development are a well-known problem when cylinders are chrome plated. Classical wetting agents tend to cause foam development. Modern wetting agents, on the other hand, should reduce foam as well as be environment-friendly. This is fundamentally possible, because other defoamers used also contain surfactants. However, all further additives to a chrome bath can reduce process reliability.

The solution:

The advertisement features a curved banner with the text "Helio® Chrome Wetting Agent FF" and "www.kwalter.de". Below this, it lists "FEATURES AND BENEFITS:" followed by a bulleted list: "Reduction of surface tension from 70 dyn/cm (mN/m) to 30 dyn/cm", "Completely PFOS-free (perfluorooctane sulfonates)", "Reduction of aerosol spray", "No foam development", "Chemical stability", "Improved cleaning, less drag-out", and "Reduction of exhaust output possible". It also provides contact information: "Further information is available at: Tel. +49 (0)89 785 96-0 eMail: service@kwalter.de". The K.WALTER logo is at the bottom right. The main text on the banner reads "- Dyn/cm" and "NO PFOS, NO FOAM INNOVATIVE WETTING AGENT REDUCES SURFACE TENSION".

An innovative PFOS-free wetting agent that eliminates foam:

Helio®Chrome Wetting Agent FF.

K.Walter's specialties include galvanic systems and the production of high-quality chemical consumables. The company had clear ideas about the issues involved in developing the next generation of wetting agents – after all, the product should be free of perfluorooctane sulfonate (PFOS). By August 2015, perfluorooctane sulfonate – which has been prohibited since 2002 for all uses except chrome plating – will also be banned in that area too (EU), and will need to be replaced by another tenside.

By providing the new PFOS-free wetting agent immediately, K.Walter gives users the opportunity to shift production without time pressure.

The special feature of the PFOS replacement component is that its active substance is not converted to PFOS during the electrochemical reaction. This indicates the product's generally complete chemical stability, which eliminates adverse effects to the properties of the chrome layer.

Helio®Chrome Wetting Agent FF is intended for dosing with the K.Walter Helio®Chrome Classic and Helio®Chrome Rapid (with catalyst).

"FF" stands for "foam-free". It reduces the surface tension of over 70 mN/m to under 33 mN/m. Under normal conditions, this prevents both fog and foam development or reduces them to a negligible amount.

Helio®Chrome Wetting Agent FF is delivered in 10-kg canisters. Until the desired surface tension

is reached, it is gradually added to the chrome electrolyte in doses of 1 ml/l. The target concentration is 4 to 6 ml/l, which corresponds to 30 to 40 mN/m. Additional dosing lies between 100 and 160 ml per 10,000 Ah, but actually depends on the concrete resistance of the product.

Order data of the new wetting agent – overview:

- Helio®Chrome Wetting Agent FF
- KW Article No.: 149169
- 10 kg per canister

Contact:

Maschinenfabrik K.Walter

82152 Krailling

Telephone: +49 (0)89-785 96 0

Email: service@kwalter.de

We would be happy to provide you with further information.

Your K.Walter Team



Welcome recognition

The operating manual of the DuroMet hardness measuring instrument has won tekomp Europe's Dokupreis

"Easy handling" is K.Walter's credo for all of its measuring instruments. Operating manuals make a significant contribution to this.

The manual of the DuroMet hardness measuring instrument has now been rated as exceptional and awarded tekomp Europe's Dokupreis.

The European Association for Technical Communication – tekomp e.V. – is the largest European trade association for technical communication. In 2014, tekomp honored seven operating manuals with its Dokupreis for their especially successful instructions and online assistance.

The operating manual of the DuroMet hardness measuring instrument was rated as above average. With an overall grade of 1.8 (based on the German grading system, in which 1 is the best grade and 6 is the worst), the jury praised the successful manual above all due to its ease of use as well as its clear and intelligible presentation.

The technical documentation team at K.Walter and the service providers at Kothes! Technische Kommunikation GmbH & Co. KG, Kempen, were obviously enthusiastic about this honor.

K.Walter and Kothes, a leading professional provider of technical documentation and CE marking, have collaborated for a considerable time. It is evident – especially after receipt of this award – that this cooperation is very successful and based on a high level of professionalism.



Overall rating of 1.8: Award for the DuroMet operating manual



Proud winners: The team of K. Walter and Kothes with the Dokupreis and certificate



Engraving large cylinders quickly and efficiently

Ohio expands its portfolio

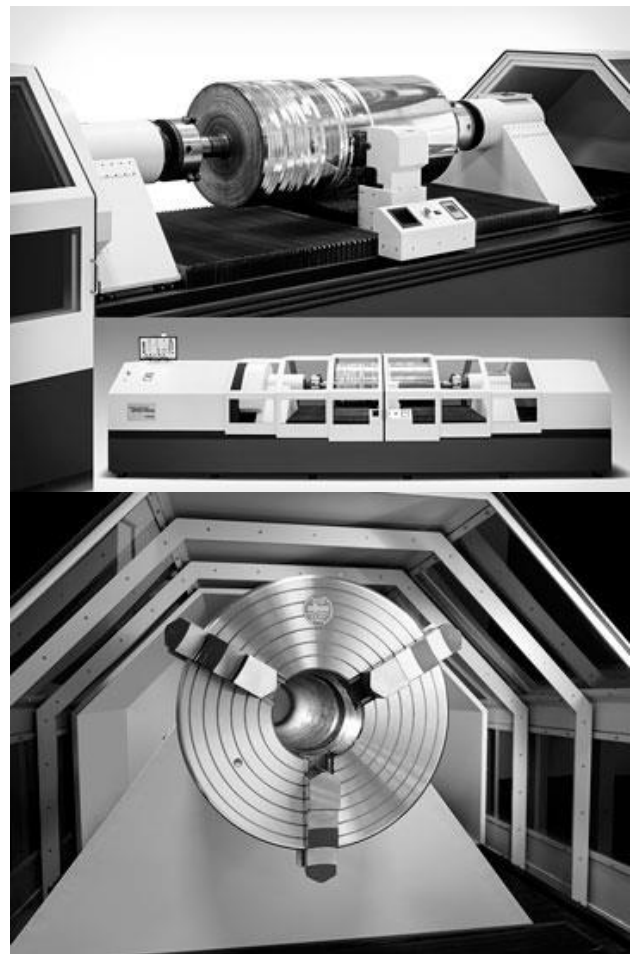
Ohio Gravure Technologies has now expanded its series of Gravostar Spectrum products to include the Spectrum engraver for large formats. The first system was installed in October 2014 and started up within 24 hours.

The market is already reacting very positively to this innovation. This year, the next large-format machines will be installed in China.

The Spectrum for large formats was developed especially for engraving large cylinders with a circumference of up to 2,200 mm – up to 670 mm more than were previously available on the Spectrum Decorative. Now, the maximal cylinder length is 3,600 mm.

Another special feature of the Gravostar Spectrum for large formats is the pass-through headstock and tailstock. The long cylinder shafts can be inserted through the chuck and into the spindle, allowing the chuck to grip closer to the cylinder body. In most cases, this allows the chuck jaws to grip on the press races or the surfaces used for finishing. These surfaces normally run true with the cylinder surface so setup is greatly reduced.

The Spectrum is optimized for large formats and – as would be expected – equipped with comprehensive functions, features and options. These include, for example, a Vision 3 head, the fast and user-friendly QuickCell setup routine and the 'Hybrid Engraving' option.



The continuous headstock and tailstock clamp close to the cylinder