

HelioCom

THE PROFESSIONAL WORKSTATION FOR CYLINDER LAYOUTS





HelioCom

is the central interface for efficient cylinder engraving.

HelioCom

Creates cylinder layouts simply, quickly and reliably

✪ HelioCom makes TIFF direct engraving extremely simple, with a whole host of professional functions and powerful hardware.

The direct path to success

HelioCom is a workstation for designing cylinder layouts in packaging gravure that features extremely user-friendly operation, unique functions and powerful Mac hardware. HelioCom was developed jointly by HELL and Esko Artwork, the leading manufacturer of professional prepress software for packaging. With over 500 units installed, HelioCom is the number 1 worldwide for professional layout creation and cylinder engraving.

Impressive functions

With HelioCom, cylinder layouts are created under constant visual control. This applies to full-color and separated views and to both coarse- and fine-image modes. A large number of powerful tools are available for assembly. These include the convenient step & repeat function, predefined cylinder samples, free positioning, rotation, mirroring, coordinate display,

Importing directly from Artpro and PDFs

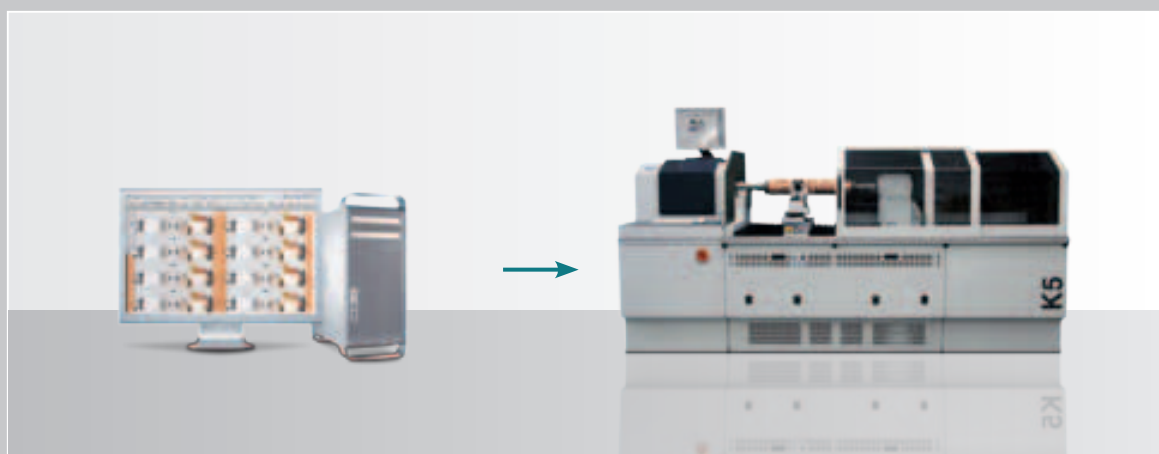
HelioCom is the only layout workstation that supports prepress data directly from Artpro without any format conversion. It also has a very reliable and powerful PDF interpreter to transfer packaging data from other prepress systems.

Ingeniously simple with TIFF direct engraving

HelioCom creates separated TIFF complete forms that are engraved directly by the HelioKlischograph. The TIFF engraving data can also be opened and processed by any image processing software, for example Photoshop.

Growth built in

A HelioCom layout station and a HelioKlischograph are all that is needed for entry-level cylinder engraving. What's more, HelioCom is equipped for future growth – one HelioCom workstation typically sup-



*HelioCom and HelioKlischograph
– all that is needed
for entry-level engraving*

symbol generation and management, intelligent control marks, a multilevel undo function, a version counter and version comparison – to name but a few. A proof can be created directly on large output devices for layout control purposes. HelioCom thinks of everything – even complex and nested cylinder layouts can be created extremely easily.

plies up to four HelioKlischograph units with engraving data.

Job tickets

Turbocharged cylinder engraving

Central job preparation cuts makeready times

TIFF direct engraving plus job tickets
 TIFF direct engraving enables simple and flexible cylinder engraving. HELL has taken this global standard a step further with job tickets, ensuring even greater productivity and transparency.

Standardized cylinder engraving
 The job ticket is a digital document containing all the production-related data for the cylinder layout, the layout proof and engraving. Each component in the system (HelioCom, HelioFormproof, HQH, HelioKlischograph and Cellaxy) takes job parameters from the job ticket and adds further details as necessary.

Job tickets enable automation

Mounting the cylinder is the only manual step required for engraving with a HelioKlischograph or Cellaxy. The AutoCon production line even runs without any involvement at all on the part of the operator.

Flexibility right to the output stage
 The HelioCom workflow is based on output-neutral TIFF engraving data. As a result, the output method (vibration engraving or XtremeEngraving with K5 / K50 / K500 or direct laser engraving with Cellaxy) can be decided on just before engraving. Because TIFF engraving data and job tickets are processed independently, job data can also be modified at any point until immediately before engraving starts on the HelioKlischograph or Cellaxy. It is useful if engraving jobs do not have to be returned to the job preparation stage for modifications, in particular when engraving test cylinders.

Accurately reproducible cylinders
 Job tickets and TIFF engraving data can be archived using standard software and are then available whenever required. This enables repeat jobs to be reproduced very simply and accurately.

The job ticket prevents duplicated entries



Jobticket

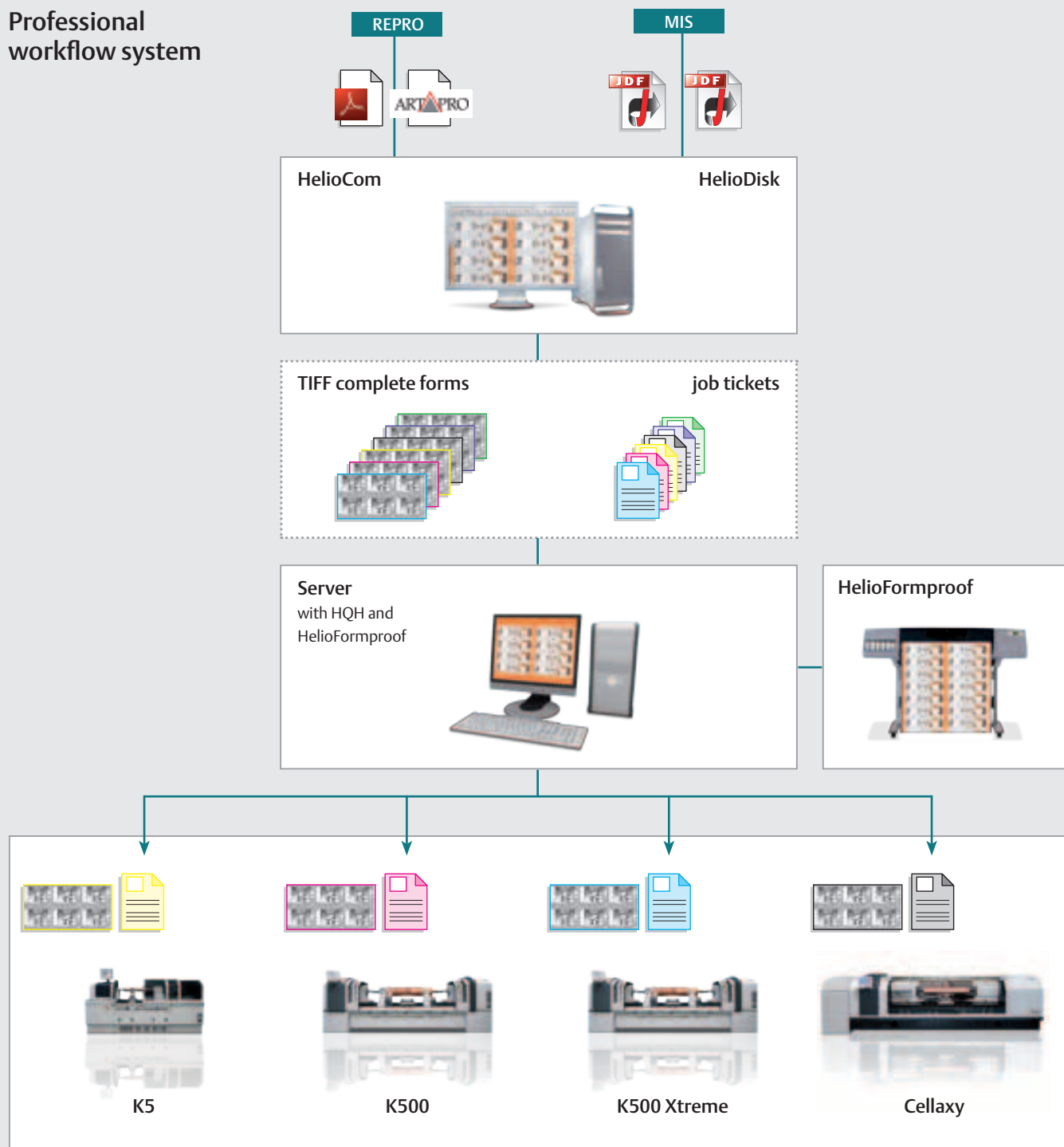
General	HelioCom	HelioFormproof	HelioKlischograph	Cellaxy
<ul style="list-style-type: none"> • Job name • Job format • Comments • Number of colors • Engraving time • Ink consumption 	<ul style="list-style-type: none"> • TIFF resolution • Oversampling • Color on proofer • Testcut position • Fast crossfeed • Histogram 	<ul style="list-style-type: none"> • Color On Proofer • Mirroring • Testcut positioning HQH • Color • Starting point • Thickness 	<ul style="list-style-type: none"> • Screen • Screen angle • Gradation • Helical / polar line • Testcut • Quality • Xtreme 	<ul style="list-style-type: none"> • Screen • Screen angle • Gradation • Testcut • Quality

Greater reliability in production thanks to online access

Job preparation with MIS connection
 With HelioDisk, job data from MIS systems is transferred for engraving job preparation via a JDF interface. If all the job data is already in the MIS system, job tickets can even be generated fully automatically without any operator input. This prevents duplicated entries and errors.

Productive without preliminary processes
 HelioCom is far more productive than other workflow solutions because there are no compute-intensive preliminary processes. For example, full-color monitor displays, engraving time calculations and ink volume calculations are performed instantly on the fly.

Professional workflow system



From entry-level solution to professional workflow – the configuration levels for digital engraving with HelioCom.

The components at a glance

Enhancing performance at every level

❖ Digital engraving with HelioDisk can be scaled up in stages from the entry-level solution to a professional workflow system.



HelioDisk

The HelioDisk job ticket editor is used for central job preparation in engraving and opens up the way for a job-ticket-based workflow. HelioDisk is installed on the HelioCom station, for instance.

Standardized job preparation with HelioDisk greatly improves reliability in production. Logging and archiving of job parameters means that all jobs can be reproduced at any time. In addition, HelioDisk includes a JDF interface to transfer job data from MIS systems.

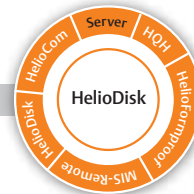
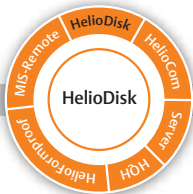
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Server

Any well-equipped PC with a Windows operating system can be used as the engraving server. Requirements depend on the number of stations with access, the cylinder throughput, the availability of data, the required level of data security and the number of applications that are to run on the server (HelioFormproof, HQH).



A comparison:*Output with HQH (top)**Output without HQH (bottom)***High Quality Hinting (HQH)**

HQH software delivers much better print results for text and fine elements. Repro data is often prepared using manual correction in line with specific engraving requirements. HQH automates this process by examining engraving data for fine lines and texts and automatically optimizing these elements according to preset criteria.

The hardware platform is a PC with Windows operating system. HQH works in the background without any operator intervention by combining hot folder technology with job ticket control.

HelioFormproof

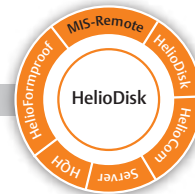
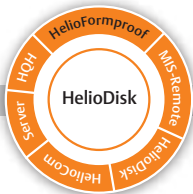
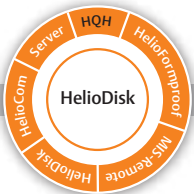
HelioFormproof has been designed specifically for packaging gravure and is an extremely powerful system for in-house and customer proofs. Up to 16 colors of a cylinder set can be output automatically on large-format printers.

The hardware platform is a PC with Windows operating system. HelioFormproof works in the background without any operator intervention by combining hot folder technology with job ticket control.

MIS Remote

Even the basic version of HelioDisk includes the „MIS Link“ offline interface for exchanging data with MIS systems.

The „MIS Remote“ option also offers a high-performance online connection. MIS Remote enables automatic creation of job tickets directly from an MIS, bypassing HelioDisk. The latest production and quality data for engraving jobs in progress can also be checked online.



Based on Innovation. HELL

HELL solutions satisfy the toughest demands in terms of print quality, cylinder service life and printing speeds. Printing forms engraved using HELL equipment benefit from simplified color matching, minimal start-up waste and optimum engraving results with high print densities, soft vignettes, brilliant contones and razor-sharp lines.

Your local HELL representative will be happy to provide further information and personal advice on our products and services at any time. For contact addresses and additional product information, see our website www.HELL-Gravure-Systems.com

