

HYBRID
SOFTWARE

DE | ES | FR | IT | PT **US**





"We are IT experts for the graphic arts industry or printing experts in the IT world – just the way you perceive us."



Who we are

Productivity tools for graphic arts companies

With offices in Belgium, Germany, Italy and the US, HYBRID Software is a software development company focused on Order Lifecycle Management for the graphic arts industry. Our top-notch team has over 1000 combined years of printing experience and can easily tackle the integration challenges facing the packaging and printing industry today. Our clients and partners receive a unique set of advantages that include vendor-independent solutions based on industry standards, scalable technology for numerous applications and segments, and low cost of

ownership based on open standards and native PDF workflows. For the first time in packaging prepress, there is no more need for file conversions or the support of proprietary file formats. This reduces errors, simplifies file management and ensures consistent document content. Our underlying software architecture protects customer investments, and the responsive development and management teams assure nimble changes to stay ahead of market demands.

For more information visit:
www.hybridsoftware.com

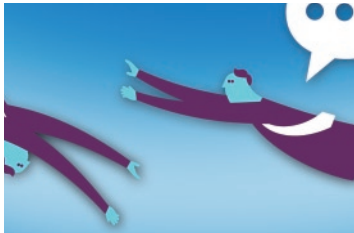
Global presence:

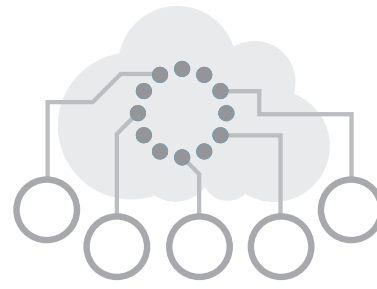
- Over 70 employees
- Over 350 customers
- Over 1000 combined years of experience in the graphic arts industry



Workspace:

- Public or private cloud
- High availability
- Multi-site production
- Cross-department
- Cross-company
- Distributed files
- Centralized metadata





The perfect platform

CLOUDFLOW and its WORKSPACE

WORKSPACE

WORKSPACE is a web application to streamline business processes for the graphic arts industry. It can be used as an out-of-the-box solution to steer complete company processes and customer communication.

WORKSPACE allows you to take control of your production files and other assets. It extracts relevant metadata and makes it available and searchable. Accurate thumbnails are created to make sure all files can be previewed in the browser, which reduces errors as everyone sees the files they are working with. WORKSPACE features an innovative workflow module,

allowing you to define business and production flows. These flows support advanced file handling actions like routing based on metadata and communication with customers and suppliers in a fully automated way. It brings your business to the next level where user errors are reduced and delays are avoided.

Through an extensive and documented web API, the system communicates well with the existing environment, protects investments and plays nicely with governing IT requirements. WORKSPACE connects to legacy equipment and databases to retrieve parameters and other vital pieces of information to automate production and eliminate double entry.

With the webserver built-in, customized webpages can be made available on top of CLOUDFLOW WORKSPACE to steer workflows and show production information.

WORKSPACE stores all its information in a database, allowing centralized configuration management and backup.

WORKSPACE is designed to grow with your business. By adding more servers in a clustered setup it is possible to expand performance or support multi-site configurations.

FEATURES

- Improve communication with your customers in a secured environment
- Streamline administrative and production processes
- Integrate and connect with 3rd party applications through an extended API
- Unlimited flexibility to meet customer requirements
- Grow with your business needs
- Backed by a database
- Built for the web, with all user interfaces in pure HTML5
- No plug-ins or JAVA required



Modular architecture

Modularity and scalability are fundamental characteristics of CLOUDFLOW. You can add and combine a large variety of functional modules for soft proofing, prepress automation, RIP screening and many more.

Multiple CLOUDFLOW WORKSPACES can be connected for extra computing power and multi-location configurations. Modules can be shared between different workspaces to optimize their utilization.

PROOFSCOPE

PROOFSCOPE is a turnkey solution for soft proofing and collaboration.

PROOFSCOPE key values:

- Full HTML5 solution, no plug-ins required
- Hires PDF previewing in the web browser
- Viewing of screened TIFFs and other image formats
- Difference viewing with auto alignment and separation selection
- Advanced markup and annotation tools
- Measurement tools for ink densities
- Optional 3D viewing module
- Easy to embed in existing web portals with full API

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Optional modules



PACKZFLOW

PACKZFLOW offers automated prepress based on native PDF files. It is carried out by the PACKZ engine, the professional editor for the label and packaging industry.

PACKZFLOW benefits:

- Reduce cost, time and errors
- Avoid human interactions
- Automate repetitive tasks

PACKZFLOW key features:

- Native PDF, no conversion steps
- Unmatched speed: 64-bit multi-processing and multi-threading
- Lean workflows
- Complete set of prepress functions, such as document analysis, separation handling, barcodes, transformations, trapping, flattening and many more
- Advanced Step & Repeat for labels, flexible packaging, folding cartons, spiral wraps, etc.
- Creation of job info panels, slug-lines, bearer bars, etc.
- Gravure export

PRINTPLANNER

PRINTPLANNER is the ultimate solution for decorating and imposing documents for digital output.

PRINTPLANNER key features:

- Easy templating for decorating labels
- Automatic layout
- Browser-based user interface to define layout and decorations, including registration marks

PRINTPLANNER is a full-featured application to accurately estimate and plan single or multi-gang orders for any print process. It supports both conventional and digital print RIPs.

PATCHPLANNER

PATCHPLANNER optimizes your plate making process. In a simple browser-based user interface, plates or parts of plates (patches) can be selected and assembled on a big sheet. The cutting coordinates and mounting instructions can be exported for automated corrugated plate mounting machines.

PATCHPLANNER key features:

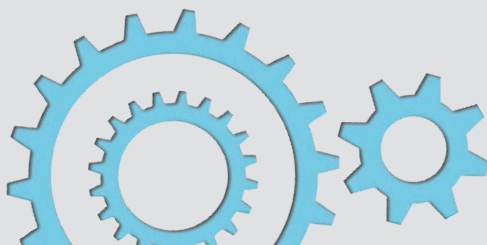
- Assembly of plates on a big sheet
- Works with PDF and TIFF
- Ability to add registration marks
- Full HTML5 user interface

RIP

Complete implementation of proven Global Graphics' Harlequin RIP technology with extensive, packaging specific controls.

RIP key features:

- High speed native PDF 1.7 and PS RIP technology
- Reliable output for various output devices
- 1-bit and multilevel AM, FM and hybrid screening
- Seamless integration in CLOUDFLOW
- Complete feature set for all printing techniques with full control of screen sets and calibration
- Optional HXM hybrid screening
- Fast, multi-threaded host renderer
- Custom calibration tools and object-based screening for packaging applications



Business process automation



FACELIFT is a production ticketing and automation framework.

FACELIFT key features:

- Graphical interface to easily build custom browser-based job tickets
- Supports flexo, offset, gravure, digital, and hybrid environments
- Bundled with PIPELINE to interface directly with MIS systems and prepress workflows
- Eliminates human error due to duplicate data entry
- Complete management of all aspects of the order lifecycle

FACELIFT is an innovative product that provides workflow management for any graphic arts segment (tag & label, folding carton, digital, commercial, wide format, etc.).

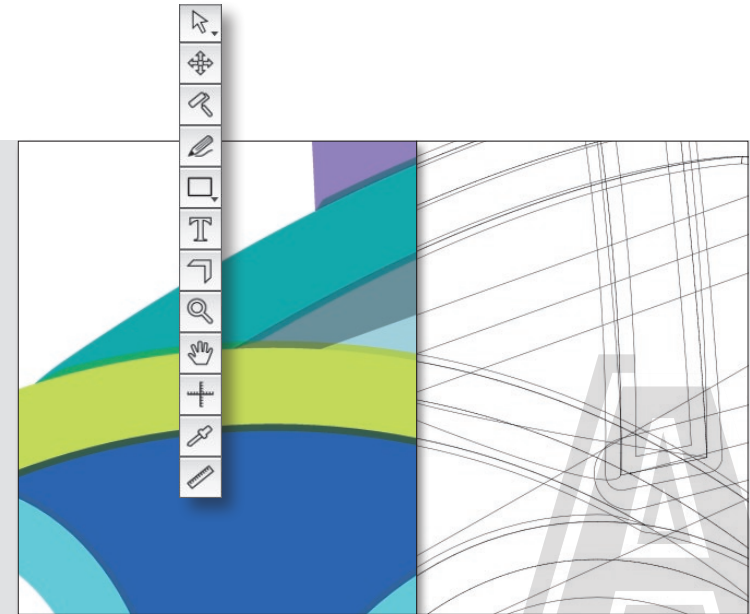


ORCHESTRATOR is a process- and data structure engine for end-to-end integration.

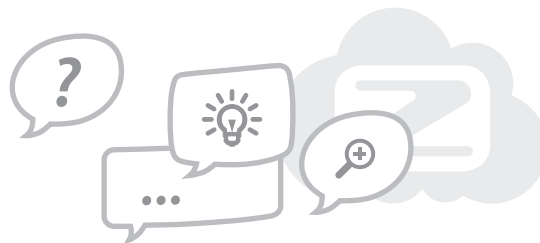
ORCHESTRATOR key features:

- Standard data structure to link legacy systems
- Combines information from different data sources
- Seamless link between files and data
- Milestone engine for process modeling, status and workflow execution
- Production Job Ticketing

Powerful editing



PACK2®



Professional PDF Editor



PACKZ®

PACKZ is the professional editor for the label and packaging industry. It is completely built around Portable Document Format (PDF), today's standard file format for interchange of all packaging graphic designs. PACKZ has a versatile set of dedicated prepress and quality control functions to make designs ready for any printing process.

Professional PDF Editor:

- Designed for Labels & Packaging
- Native PDF, without any conversion
- Multi Platform Solution running on OS-X and Windows
- 64-bit multi-processing and multi-threading

PACKZ key features:

- Trapping and white underprint
- Separation handling
- Barcode creation and recognition
- Dynamic info panels and marks
- Quality assurance tools
- Tabular and Nested Step & Repeat
- 3D visualisation
- Warping
- Gravure export

Speed comparison

Benchmark parameters are opening and preparing to edit of a 175 MB PDF file (linework, type, images) compared to currently available tools:

- **3x faster** on trapping
- **4x faster** in saving modifications to disk
- **5x faster** to open a PDF file
- **10x faster** in preview generation, zooming and moving content
- **20x faster** to make a PDF roundtrip with other applications

Modules

 **WORKSPACE**
Open Web Application Server

 **PROFSCOPE**
Online Proofing

 **PACKZFLOW**
Prepress Automation

 **PRINTPLANNER**
Digital Printing Imposition

 **PATCHPLANNER**
Plate Layout Optimization

 **RIP**
Raster Image Processing

 **FACELIFT™**
Custom Job Ticket

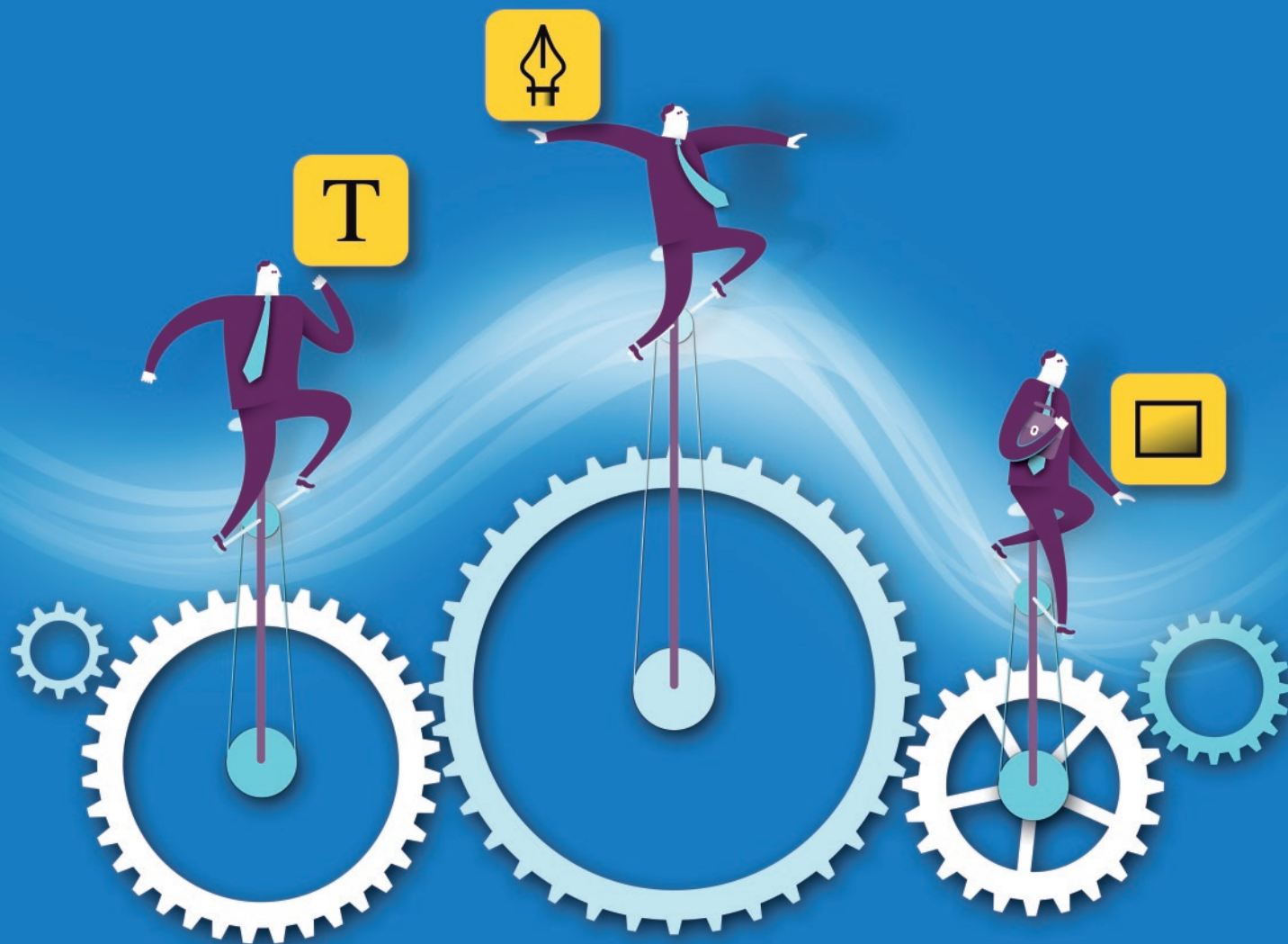
 **ORCHESTRATOR**
Business Process Automator

Editor

 **PACKZ®**
Professional PDF Editor

Prepress

- From design to final output
- Full PDF-Editing and Automation
- Trapping
- Import of structural design information
- 3D-Visualisation
- Step-and-Repeat
- Quality control
- Calibration and Color Management
- Output and Screening



Prepress & Communication



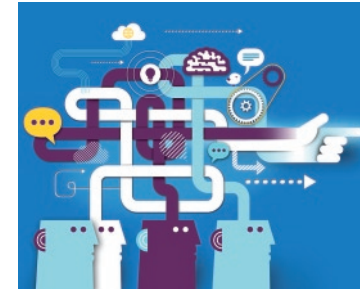
Prepress innovation

The prepress industry is long overdue for some real innovations. With PACKZ and PACKZFLOW, HYBRID Software introduces revolutionary tools for packaging prepress. Their modern 64-bit, multi-threaded architecture allows native PDF editing and auto-processing as quick as lightning. For the first time in packaging prepress, there is no more need for file conversions or the support of proprietary file formats. This reduces errors, simplifies file management and ensures consistent document content.

Innovation can be found in every single feature, whether it is PACKZ's unique auto trapping algorithms, barcode and text detection, separation and color controls, step-and-repeat, and 3D simulation; or CLOUDFLOW's packaging specific RIP output and a powerful database managing files and production across multiple production facilities. The possibilities are enormous, and remember, the entire process is based on all native PDF, from design to final output, for the maximum output quality and security!

Communication matters

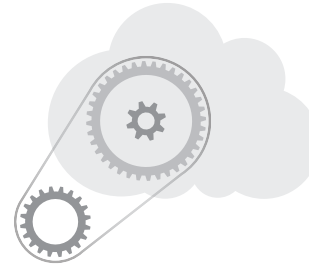
The tight deadlines common in today's graphic arts world have made communication more important than ever, from simple order details to complex brand and product specifications. Hence, your customer's high expectations do not come as a surprise. HYBRID's advanced communication technologies allow you to offer tailored solutions, such as online order forms, easy-to-use file delivery services, integrated web-to-print applications, comprehensive dashboards, data collection, KPI reporting services, and many more. Our modern collaboration tools provide online soft proofing, approval, and collaboration as a pure HTML5 service without the IT security restrictions that affect java applets. Simply eliminating the emailing of PDF proofs is a huge step forward for many print providers and customers alike. With tools like these, you can increase customer acceptance and long-term customer loyalty.



Communication:

- *Order entry and tracking*
- *Web-to-print*
- *Collaboration*
- *Softproofing and Online-Approval*
- *Data collection*
- *KPI reporting*

Automation



Automation brings efficiency

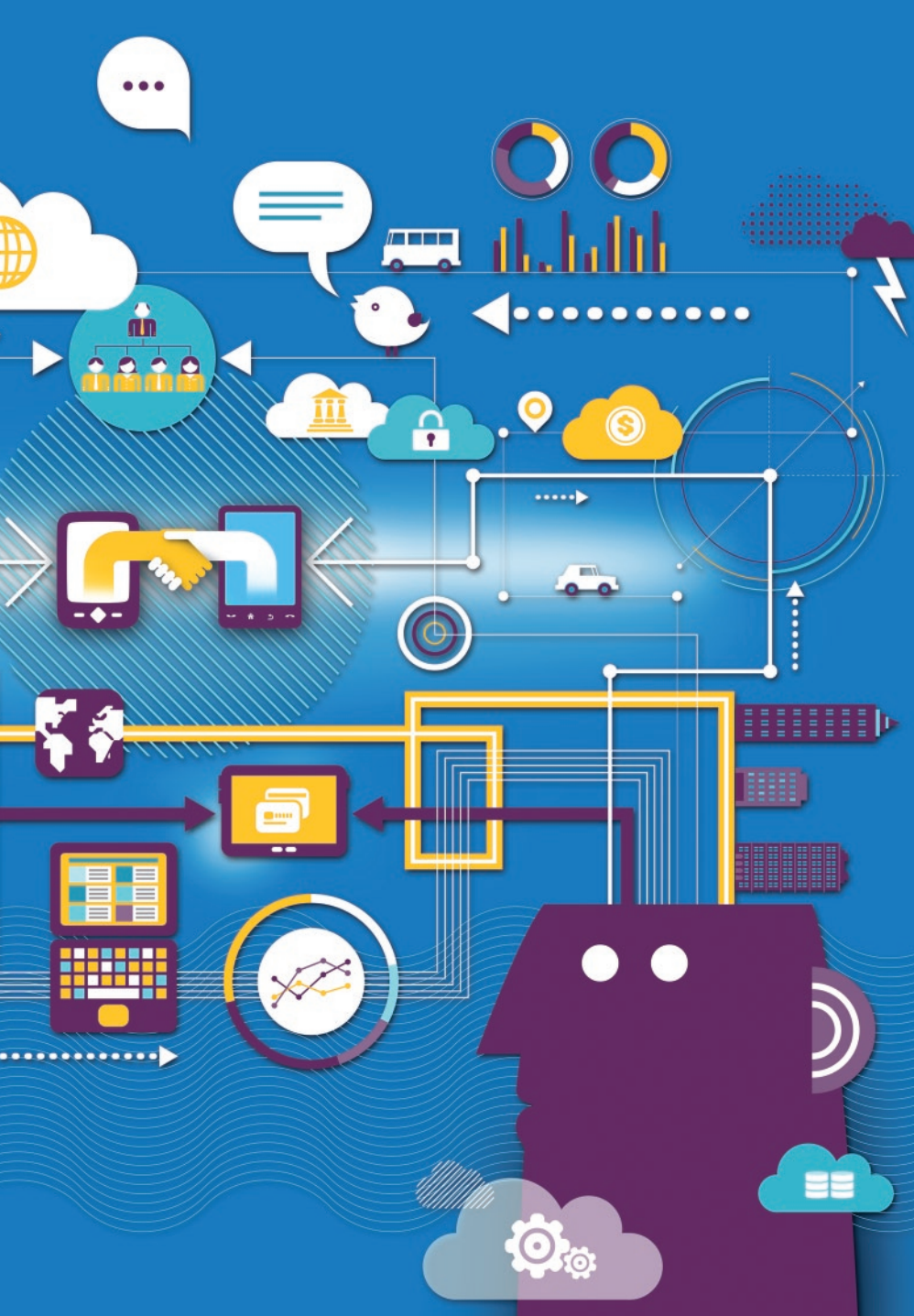
Labor costs are one of the most critical factors for your profitability. Reducing prepress operator time by automating repetitive tasks such as preflight and file correction, object transformations, barcode creation, separation mapping, trapping, step-and-repeat and gang printing preparation increases your efficiency and minimizes material waste, especially important when imaging expensive flexo printing plates.

Managing the output optimizes device and press utilization, and outside your prepress department, automation can reduce administrative costs by streamlining order entry, job ticketing and invoicing.

Automation:

- Order processing
- Data- and file-processing
- Preflight and prepress tasks
- Step-and-Repeat and gang printing preparation
- Output management
- Repetitive work





Integration

Order Lifecycle Management

Integration provides a step-change improvement from simply RIPping files to the benefits of an order-driven workflow. It is a dynamic interface between your commercial and technical environment. Orchestrating all your existing systems and data sources, MIS/ERP systems, web-to-print solutions, other online platforms, prepress workflows and output devices allows you to build a common information backbone. With our state-of-the-art integration solutions you can map and model your business processes from order entry to final delivery and eliminate

human error caused by duplicate data entry. Sophisticated data applications, such as estimating for digital print, live dashboarding, and multi-location file routing complete the features of your automated production environment.

Integration:

- *Interface between commercial and technical systems*
- *Connect Web-to-print and E-business-print*
- *Full control over all production and administrative processes*
- *Eliminates human error due to duplicate data entry*
- *Link files and data*
- *Join digital and conventional print processes*

Simplification



Single-click functionality

As the trend toward hybrid and digital output advances in all areas of the graphic arts industry, your operators have to learn new and different applications just to keep up with technology. HYBRID Software helps you to consolidate your products and platforms by supplying browser-based, responsive and platform-independent apps which are all built upon our own Native PDF technology. By presenting only the necessary information for each specific user at every step of the process, we increase usability, improve the user's experience, and reduce errors caused by duplicate data entry or human error.

With our dynamic data backbone and integration with all of your existing databases and prepress systems, we supply a single data source and instant access to all relevant files and data. Our extensive and fully documented APIs allow our services to be seamlessly integrated into your existing workflows and customer portals.

Simplification:

- *User experience*
- *Usability*
- *Cross-platform*
- *Instant access to all relevant data and files*
- *Single data source*
- *"Right first time"*

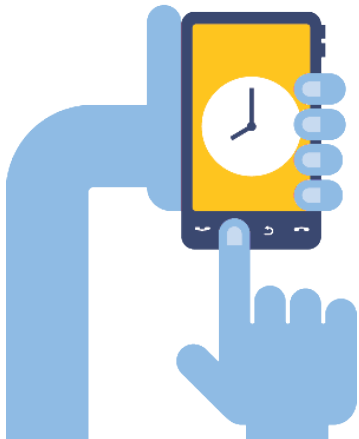


Benefits

We understand your challenges

Guido Van der Schueren, HYBRID's Chairman, has stated, "Our biggest asset is the willingness and capacity to listen to our customers and act upon this." HYBRID Software products and solutions help you to streamline your entire processes from order entry to final delivery. We provide tailored tools for production planning and intelligent job management to optimize your device capacity and reduce waste of expensive consumables like flexo plates. Our innovative and power-

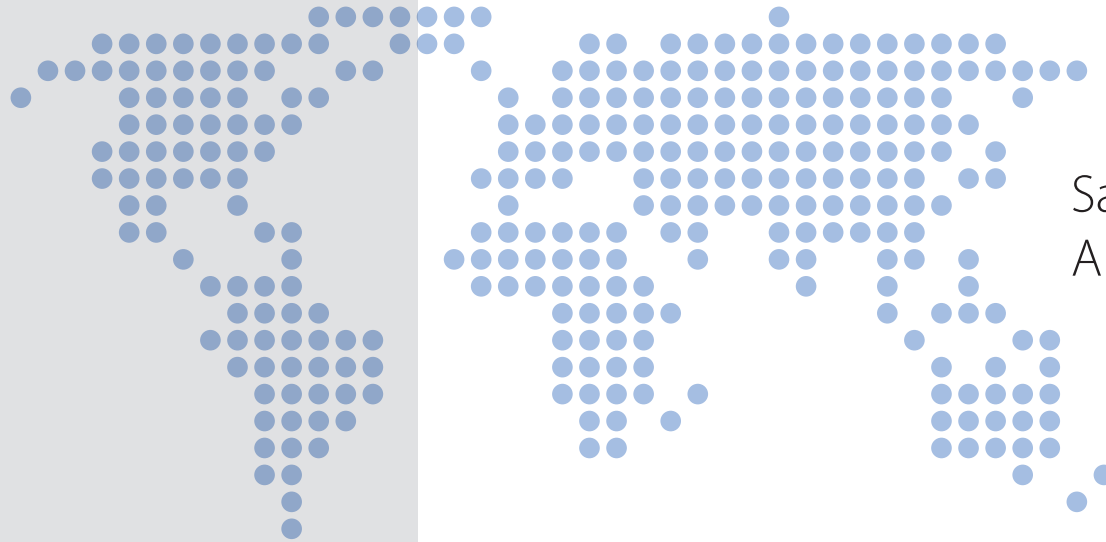
ful prepress software improves operator efficiency, manages your customer's assets, and automates repetitive tasks. HYBRID's customer facing solutions allow you to offer improved services, including online collaboration and approval for greater customer loyalty and retention. Our flexible integration platform interconnects with your current systems and data sources to protect your investments and to easily adapt to future changes in your unique business processes.



Benefits:

- *Maximize capacity and utilization*
- *Increase efficiency*
- *Ability to adopt business processes*
- *Protect investments in existing systems*
- *Customer loyalty*
- *Improved services*

HYBRID SOFTWARE



Satisfied customers.
All over the world.

www.hybridsoftware.com

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