AMFORTIS 2

Innovate. Interact. Optimize.

Amfortis is an all-in-one workflow solution dedicated to label and packaging printers and converters. It enables them to control every phase of the printing production process from a single user interface. Businesses of every size and type can benefit from the Amfortis suite of workflow management products.

With Amfortis, ECO3 offers a comprehensive and integrated prepress workflow solution that provides the highest degree of reliability and ease of use. The latest version brings many new features to fulfill the production efficiency needs of packaging printers and converters.

YOU
PRINT.
WE
CARE.

The Amfortis philosophy

The Amfortis philosophy encompasses innovation, interaction, and optimization as its guiding principles. By embracing innovation, adapting to modern customer interactions, and optimizing workflows, Amfortis aims to empower organizations in the printing industry to work smarter, provide exceptional customer experiences, and achieve higher levels of efficiency and profitability.

Innovate

Innovation starts with questioning the status quo. How can I simplify my workflow? Improve productivity? Reach new markets? Amfortis has the answers. With its range of innovative tools, Amfortis lets you work intelligently and efficiently to serve your customers on a higher level than ever before. Innovation requires audacity.

Interact

The internet has made people accustomed to doing everything online. To having everything available immediately, day and night, regardless. Print buyers are no exception. Yet how you interact with customers is paramount. With Amforits, it means allowing them to view, update, and approve their projects from their mobile devices, for example. Or offering them products through an intuitive online store. In any case, Amfortis enables you to interact with your clients and provide them with a rich experience that generates loyalty.

Optimize

Optimization results in higher profitability, greater efficiency, and less waste. It is the driving force behind your entire operation. Amfortis optimizes every aspect of your production process, from customer collaboration through prepress workflows all the way to the finished product. Reducing complexity and automating time-consuming tasks is what Amfortis continuously helps you to achieve. With Amfortis, optimization means increased press efficiency, saving you time and money.

> "For Bösmann, Amfortis means automation, fast processing and maximum process reliability. Due to the fast and safe processing of CF2 and PDF data, we can provide our customers with guaranteed delivery times and maintain high quality standards."
>
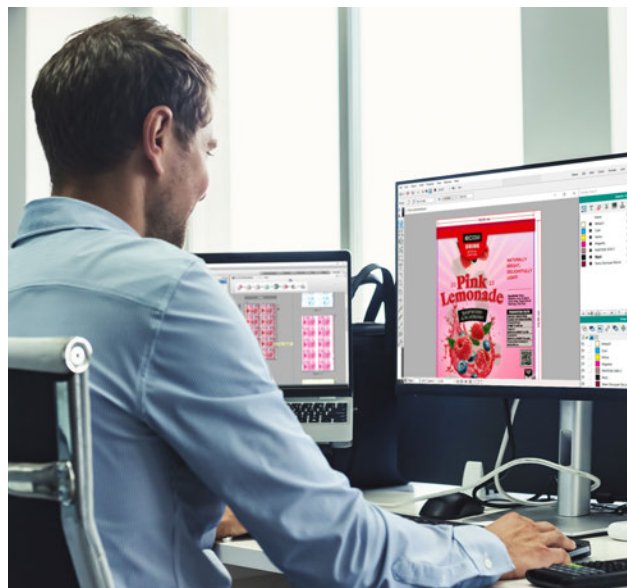> Full testimonial: eco3.com/news/bosmann-amfortis-automation

Key features

Integrated Amfortis Editor

Brand owners and agencies can create great-looking designs, but most have no or very limited knowledge about production. Processing their files without some essential modifications will result in poor print quality and high production costs.
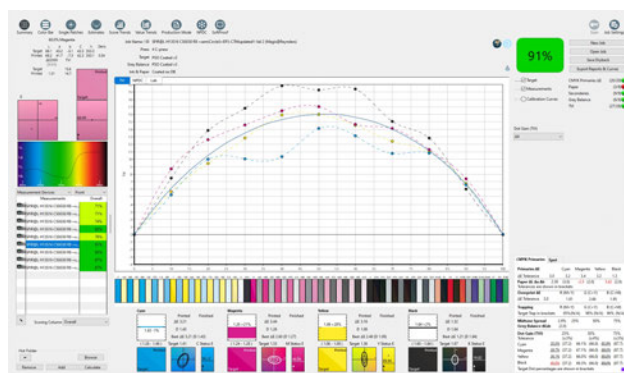
This is where Amfortis Editor, a native PDF editor for label and packaging printers, can help. It optimizes the design, which can be done manually or in an automated manner. Amfortis Editor allows you to make last-minute text changes, update images, add trapping or embellishments, and more.

The seamlessly integrated Editor adds value to the Amfortis solution by impacting the final product quality and reducing production costs. It tracks artwork revisions and ensures the latest update is used for print production. The tight integration of the Editor in the Amfortis workflow increases the productivity of prepress operators.

Connecting process control tools

ECO3's PressTune manages print quality by measuring spectral data and using this information to score how the actual print sheets compare to the target standard for that print job. The score also takes the TVI into consideration and in case of a large discrepancy, PressTune generates a new calibration curve. This curve is automatically sent to Amfortis to immediately image a new set of plates and deliver print quality according to the agreed standard.

Up-to-date with the latest technology

Innovation is the driving force within ECO3. Amfortis 2.0 includes the latest Adobe PDF Print Engine 6.2, which offers full compatibility with the new PDF 2.0 standard. It ensures designs are output correctly while improving efficiency and making full use of PDF Processing Steps, a new standard for embedding technical marks used for folding, braille, white or varnish layers, legends, information on dimensions, and other metadata in PDF files.

Increased automation

Packaging and label printers are facing ever shorter deadlines, decreasing run lengths, and multiple SKUs/versioning, along with demands for more sustainability. They must find new innovative ways to optimize their processes and increase their value offering. Amfortis 2.0 introduces Autofill, a new productivity feature that enhances versioning management. It combines different jobs in the best possible sheet layout to maximize press utilization and speed up lead times.

Another key improvement is HotTickets for processing (repeat) orders. Once set up, all files dropped into the HotTicket are processed automatically according to the set parameters, saving operator time and avoiding errors.

POWERED BY
Adobe Technology

Amfortis Cloud

Amfortis Cloud is all about using the existing Amfortis modules, yet relying on the infrastructure, know-how, and hardware security offered by ECO3. The solution is aligned with your production requirements and includes hardware, software, support, and ICT-managed services.

Amfortis Cloud minimizes your investments yet maximizes flexibility. Need more production capacity? Our cloud-based solution is perfectly adaptable to your changing needs. And rest assured, your software is always up to date for optimal efficiency. Our Cloud experts will relieve in-house IT personnel of day-to-day tasks, thus affording them more time to focus on strategic issues and innovation. Our team ensures system stability. By constantly and proactively monitoring processes, they foresee and prevent system failures and downtime.

Amazon Web Services is used for hosting and the location of the service is selected to ensure optimal connectivity and minimal latency. For each region, at least two physically separate data centers are used, monitored 24/7, and accessible by authorized ECO3 personnel only. This setup guarantees maximum uptime and disaster recovery if required. Finally, by using a local data center, the local data security guidelines, such as GDPR or CCPA, are fully respected.

Amfortis Cloud benefits:

- Eliminates the need for local software installation and hardware expertise.
- Use a professional IT-infrastructure that offers security, redundancy, stability and business continuity.
- Easily network and interact with print buyers, production plants, and employees, which results in a more efficient production process.
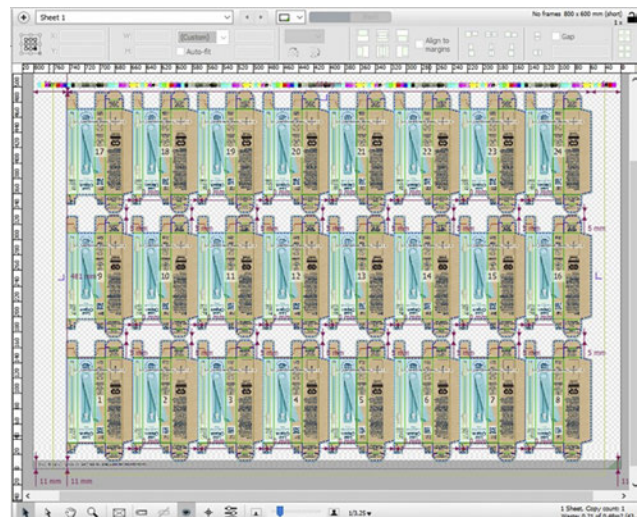
Step and Repeat

The Amfortis step & repeat functionality lets you do every type of layout and nesting for packaging and label printing. It fully automates the print layout creation, yet manual intervention and adaptation remain possible at each stage.

Amfortis further supports the import of CAD files in CF2 or DXF format. When importing the file, Amfortis not only detects the shape of the repeated artwork but also identifies the different types of lines: through-cut, kiss cut, and fold. As soon as the artwork is added to Amfortis, it snaps to the correct lines of the CAD.

Amfortis manages the overprint of flaps, station numbers, and ink eaters and adds the necessary product and print marks — all mandatory actions to make the nested form ready for production. Of course, all these adjustments and parameters can be stored in an infinitely reusable ticket template.

Automation without the proper control safeguards in place, however, could be problematic, which is why ECO3 has expanded the interface to allow users access to check any measurements within the layout. Measurements of relative distances can be saved as a parameter set and even added to a sheet layout template.

The measurements also become part of the job report. Amfortis will automatically create a full report of the nested artworks offering an overview of the whole printed sheet with all details, such as color bars, dimensions, distances, and copy count. The report is included in the job bag, making the information readily available for the customer sales representative (CSR), press operators, finishing department, and dispatch.
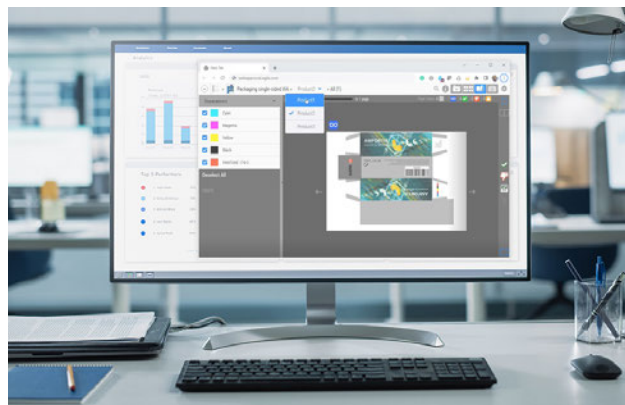
Amfortis WebApproval

Expanding your Amfortis workflow system with a web portal for online collaboration, Amfortis WebApproval enables your clients and colleagues to access jobs from their desktop computer or mobile device. They can collaborate, upload files, review pages, and approve jobs. Thanks to WebApproval, you can facilitate file exchange and shorten approval cycles, which results in fewer errors and more satisfied customers.

Amfortis WebApproval is available 24/7 and from any place that offers internet access. Users can access the secure, password-protected portal from any HTML5-based browser to view their jobs, exchange data, and softproof files. Customers, approvers, and managers can view and approve print-ready pages that show the exact print output, thus minimizing the risk of mistakes or costly reprints.

WebApproval 2.0: Expanding the reach to even more print buyers and brand owners

For some applications, print buyers or brand owners require several people to review and approve print-ready files. For example, a new label needs to be reviewed by the product manager and somebody within the legal department. Only when both have approved the leaflet can the prepress team prepare plates.

The new "Final approval" function also offers more control. It gives prepress managers the authority to review the

imposition and placement of marks and manage the timing when plates get imaged.

Print buyers or brand owners can access all functionality to review their label or box, add comments, and approve or reject the job. Packaging-specific information such as die lines can also be visualized, giving the approver an optimal view of the job.
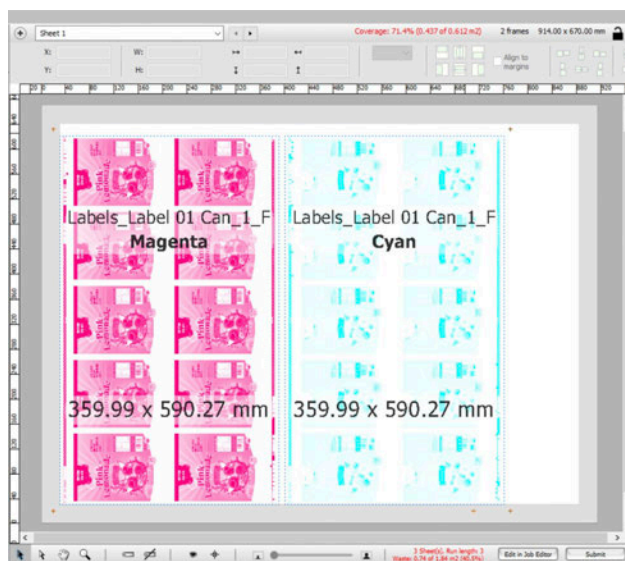
WebApproval 2.0 can even simulate the print substrate: The brownish color of kraft cardboard is correctly visualized, for example. This sets the right expectations for the print buyer and provides greater peace of mind. Kraft, can be simulated in WebApproval. This sets the expectations right for the print buyer.

Amfortis PlateAssembler

Amfortis PlateAssembler is ECO3's dedicated solution for the flexo plate-making department. It combines multiple jobs or separations on a single flexo plate to reduce cost and make optimum use of MAGIS imaging devices.

Amfortis outputs TIFF images of the various separations for each job. The PlateAssembler module can automatically combine multiple files on a single plate. It can crop or mask content and combine separations to make optimum use of the available space. Simultaneously, PlateAssembler generates a file with cutting instructions that is sent to digital XY cutters from vendors like Zund or Kongsberg to automatically cut out the separations.

Amfortis PlateAssembler intelligently gathers data on the consumption of plate material per job and separation. These XML data can then be used for invoicing..

SPIR@L™

With its new screening technology, ECO3 takes its focus on innovation and ecology to the next level. The concept is straightforward but all the more innovative: we replace the traditional ink dot used in offset or flexo printing with other more efficient shapes such as spirals.

This has a positive impact on print quality and results in a crystal-clear image every time without effort. SPIR@L lets you hold a 1-99% dot, guaranteeing vibrant colors and reducing image slur. What's more, it requires no expensive upgrades for your imager or printing press. Thanks to the unique SPIR@L dot shape, less ink is required to fill in the same area. Next to saving ink, this speeds up drying time in offset packaging. For flexo applications, it guarantees an optimum ink laydown for superior print quality.

The key benefits

- Achieve picture-perfect detail at any size
- Eliminate imperfections like image slur
- Continous blends/vignettes
- Homogenous ink laydown (ink escapes into the grove, not outside the dot)
- Pure color reproduction in the blue color range
- Get started easily with no extra investment required

Alterno

Creating the vibrant colors that brand owners demand often requires the use of spot colors. The cost of using such inks and an increasing demand for shorter run lengths make it difficult for printers to produce such orders on their existing presses while maintaining a reasonable margin.

Alterno is an innovative color conversion tool, integrated in Amfortis, that converts spot colors to CMYK and two or three extra inks, such as Orange, Green and Violet. With Alterno, you can extend the color gamut, simulate spot colors and match special brand packaging and logo colors without costly procedures or expensive pre-defined inks. As it takes your press characteristics into account, Alterno gives you the flexibility to choose any ink brand or screening method, such as SPIR@L.

The key benefits

- Improve press uptime by eliminating time consuming ink changes
- Reduce material waste
- Reduce ink inventory costs
- Limit the number of anilox rollers that you need
- Print short-run packaging jobs on conventional offset presses or combine different jobs in a single press run

"With SPIR@L our ink consumption has significantly reduced. The print quality has improved and become more stable: in particular, we are experiencing fewer problems with 'ghosting'. Because the ink layer is thinner, we have also been able to shorten the drying time and stack the pallets higher, saving floor space. All in all, we improved our production efficiency."

Filip Peeters & Samantha Proost
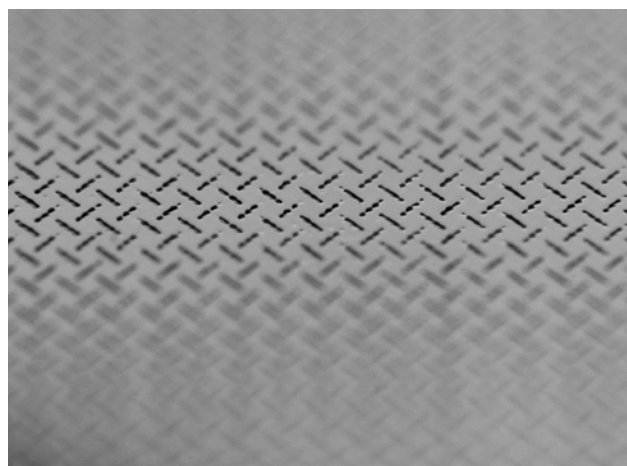Solidus Solutions, Belgium

InkTune

Reduce ink consumption by up to 30% while maintaining or even increasing print quality: InkTune is your golden ticket to lower cost-of-ownership and higher profitability.

Can cost savings be achieved while preserving or even increasing the quality of prints? InkTune proves that it's possible. As its name implies, InkTune helps you save on ink costs. It uses Grey Component Replacement (GCR), which substitutes expensive CMY inks with the more economical black (K) ink. But it also does a lot more: it improves color stability on the press, as well as image quality and consistency. As a result, there is less interference between different inks, the inks dry faster and printing speeds can be higher.

GridTune for flexo printing

ECO3's patented surface patterning technology is called GridTune. It comes with specific sets of patterns, tuned and optimized for high-quality ink transfer. GridTune creates the necessary escape cavities and optimizes the ink transfer and laydown for solids. The quality of printed solids is improved by creating holes in the solid, increasing the density of the solids and having a positive effect on the trailing edge void (TEV). Different masks can be used depending on imager resolution, anilox volume, etc.

PressTune

Take total control with ECO3's comprehensive PressTune print standardization tool. Benefit from more accurate, consistent colors, faster make-ready times, lower ink consumption, smoother approvals and an overall increase in efficiency and productivity.

PressTune is a comprehensive and unique print standardization solution that guarantees color consistency and ensures that printing jobs meet ISO, G7, and even client-specific standards. It increases productivity by lowering ink and paper consumption, significantly reducing make-ready time and improving communication between prepress operator, quality management and print buyers.

"The huge potential of Amfortis immediately became apparent. It has made our production process both faster and more secure, as it allowed us to eliminate intermediate steps. Our operators, who were already used to working with Apogee, feel that the interface is very intuitive."

Gian Luca Pellegrinelli, Production Manager
Fratelli Roda, Switzerland

ECO3's sustainable software solutions

ECO3 is committed to sustainable innovation that focuses on ecology, economy, and extra convenience—or ECO3. Our hardware, software and consumables make your prepress and printing operations cleaner, more cost-effective and easier to operate and maintain. Thanks to sustainable software solutions, you can save up to 30% on ink and paper, and reduce waste by 50%. In summary, they bring more value to your entire printing business.

Partners

ENFOCUS

CIP4 PARTNER

fogra cert

Ghent Workgroup

Adobe

PANTONE®

ICC

eProductivity Software

Idealliance

hp

Microsoft

{EngView Systems}

HYBRID SOFTWARE

TECHKON
Erfolg ist messbar

FTA EUROPE
WE ARE FLEXO

independent carton group

ECO3.com