# EDP REPORT

Technical Report
based on the EDP Awards
entries 2019

**EDP AWARDS 2019**

EUROPEAN DIGITAL PRESS
ASSOCIATION

| Austria | BeNeLux | Czech/Slovakia |
|---|---|---|
| X-media | sign Pro benelux | SVĚT TISKU |

| Denmark | Finland | France |
|---|---|---|
| 3dp | print&media | Signal Etiq |

| Germany | Germany | Greece |
|---|---|---|
| DRUCKMARKT Printmediamagazin | werbetechnik DAS FACHMAGAZIN | cmyk mag |

| Hungary/Romania | Italy | Kazakhstan |
|---|---|---|
| HUNGARY EDITION PRINT PUBLISHING | italia publishers | Технология изображений |

| Norway | Poland | Russia |
|---|---|---|
| SIGN&PRINT | print and Publishing poland | publish |

| Spain | Sweden | Switzerland/Liechtenstein |
|---|---|---|
| AP DIGITALUD | SIGN&PRINT PACK&PRINT | PUBLISHER |

| Turkey | UK/Ireland | Ukraine |
|---|---|---|
| Dijital teknik | IMAGE REPORTS | Print PLUS |

# EDP REPORT
# CONTENT

## EDP AWARDS
# PRESTIGIOUS AND VALUABLE

If Europe's 21 leading trade magazines with an editorial focus on digital print processes, which are united in the European Digital Press Association (EDP), yearly honour the best technological developments with the popular EDP Awards, these are selected carefully according strict criteria. Thus the EDP Awards offer orientation and give a neutral recommendation for purchase decisions.

The EDP Awards have become the "most prestigious and valuable Technical Award for the digital production business in Europe" – as one participant said. This makes us proud and this motivates us. This also means that we have to announce the aims and activities of the EDP Association even broader.

The EDP Association (European Digital Press Association) was founded in 2006 by six trade magazines with a mainly editorial focus on digital print processes. Today the EDP Association counts 21 member magazines all over Europe, covering 27 countries and reaching more than half a million readers in Europe – solely with their printed editions.

One of the goals of the EDP Association is to assist the technology-appliers in their task to find the right solution for their applications. Because not every high tech product meets the requirements in a demanding production environment.

Every year experts representing the 21 EDP member magazines on digital production evaluate the latest technological developments in several categories (software and hardware, large/wide format printing, commercial printing, print and finishing solutions, finishing and enhancement, consumables (inks and substrates) and special solutions). The best products in each category are honoured with an EDP Award.

For the contest the members of the EDP Technical Committee (the jury consists of specialists and experts of the member magazines) investigate the submitted products´ features, achievement, quality and costs etc. At the end of the submission period the committee nominates the best ones in a category for the final judging round.

At least representatives of all EDP member magazines discuss the suggestions of the Technical Committee and decide finally which product is worth of being awarded by an EDP Trophy.

**A quality and innovation mark**

The EDP Awards are a classical competition, carried out by an expert's commission. There are no public votings (on the Internet etc.) because of the strict criteria the EDP Technical Committee sets on the competition. It is all about technical criteria, not about popularity.

Only in this way it's possible to acknowledge the value of the research and development tasks of the industry. The logo that identifies the EDP Awards is a quality and innovation mark. The awards are among the highest accolades in the printing industry. The EDP Awards are the unique technology contest in Europe. And this remains the core activity of the EDP Association.

The EDP member magazines promote the EDP Awards to ensure that they receive international recognition and superior status within the digital print industry.

Of course receiving an EDP Award brings added value to the winning product. Accolades given to products not only infuse confidence and credibility, but signify highest quality to professional users.

**Win-win situation**

Since 2007 the EDP Association has honored the best and newest products. Over the years almost exact 300 trophies were awarded to the best technologies and developments. This year again 28 trophies are awarded. I hope we made the right decisions.

*In 2018 the EDP Association awarded 29 trophies in the respective categories. 2019 there are again 28 EDP Awards. Since 2017 the EDP Association has a new corporate design, a new logotype for the EDP Association, an own logo for the EDP Awards and new trophies, designed and produced with digital technologies.*

However, the EDP Association also recognises that the EDP Awards can only be organised because manufacturers are willing to submit their products and give us insights for judging. We beleave it's a typical win-win situation for the manufacturer, the EDP Association and at least the users in the printing industry.

Therefore, I would thank all partners making the EDP Awards possible. And the EDP members thank all participants and congratulate the winners.

**Klaus-Peter Nicolay**
President EDP Association

nico@edp-award.com

**EDP Award Contest 2020**

With the end of this years EDP Award Ceremony the next EDP Award contest 2020, meanwhile the 14th edition, is open for participation. Within the next weeks we will prepare everything for the EDP Awards 2020 (categories, entry form etc.) to invite companies as in the last years, to submit their products on own initiative.

All new products and developments which are announced, presented and available for testing by jury members from May 1st, 2019, till March 15th, 2020, and widely available in the member countries of EDP, are entitled to participate. Companies can submit as many products as they want. There are no restrictions.

And we are working on the next EDP Award campaign to make the contest more attractive. There are a lot of new ideas, not all ideas are doable or they need a certain time to realise, nevertheless, some new ideas will become reality.

## TECHNICAL REPORT AND CONCLUSION
# REFLECTION OF THE MARKET

The annual EDP Awards ceremony is a glorious moment for the winners, who are rewarded with the prestigious EDP Award for their efforts to bring a new product to market. But an EDP Award is more than just a trophy.

The awards also reflect market developments. There are categories in which an award can no longer be presented every year because innovations can no longer follow each other as quickly and not every year as they did a few years ago. This can be seen as a signal for the maturity of certain market segments, but can also mean that a more or less strong growth has (initially) been established in these market segments.

Over the years, the categories for which EDP Awards are presented have shifted again and again. The list of categories is adjusted annually, but sometimes forces the Technical Committee to make unorthodox decisions to introduce a new category.

Until a few years ago it was still possible to put categories out to tender. That is no longer possible today (with a few exceptions). Because one development that we as Technical Committee have permanently to deal with is the integration of different processes. Software plays an increasingly important role in workflow and printing solutions. This is covered by the EDP by the fact that we have defined a number of categories for software. But the development in the market always precedes us in monthly cycles. Because hardware developments are increasingly determined by software, as well as by the interaction of different machines, inks and application areas.

It would not simplify the work of the Technical Committee if we simply look at the facts that were made available to us. Some submissions don't even explain what distinguishes the product from others, but only what the marketing department thinks about it. We can't base our opinion on that. However, we also understand that even the manufacturers have to struggle with these challenges.

But we continue to look for innovations that make our readers happy. You can help us by submitting applications in time to give us more time to evaluate.

We dealt with all of these things before we made our recommendations to the EDP members where the list of the award winners was finally completed.

The EDP Association's members congratulate all EDP Award winners, finalists and nominees and thank all participants and submitters for their cooperation.



**Herman Hartman**
Chairman Technical Committee
EDP Association

# THEY ARE DEFINITELY NOT ALL THE SAME.

You expect top performances as well as **COMPETITIVE ADVANTAGES** from your production equipment. But what is the right solution? And what are the crucial differences? For this the EDP Awards are a reliable advisor. If Europe's 20 leading trade magazines on digital production, united in the **E**uropean **Di**gital **P**ress Association, yearly honour the best technological developments with the popular **EDP Awards**, these are selected according to criteria like achievement, quality and costs. Thus the EDP Awards offer orientation and give a neutral recommendation for purchase decisions.

**www.edp-awards.org**

## NO AWARD IN THIS CATEGORY?
# INNOVATION IS THE DRIVER

The EDP Technical Committee is the institution of the EDP Association which performs the constituency-level work for the decisions about the EDP Award winners and whether there is generally an Award in a suitable category.

Every competition has winners and losers. And in every competition there are questions about why. This is not a different story with the EDP Awards. That's why we like to take the opportunity to explain the basic tasks of the EDP Technical Committee and the evaluation criteria.
From all submitted products, the Technical Committee nominates the favourites for each category for an award.
The main criterion according to which the evaluations are carried out is innovation: Does the product contain a new technology, is it more efficient or does it change the working methods in a positive sense? Are there new functionalities, an increased variety of applications or materials? How user-friendly is the product? And is it even available in terms of linguistic diversity and geography?
In addition, there is a question that arises again and again: Do the submitted products represent the view of the market? For this reason, the EDP Association reserves the right to add, delete or combine categories during the judging process. However, the existence of a category does not necessarily mean that an award will be given. To complement technical trends, EDP members and their Tech-

nical Committee have the right to nominate products for the competition on their own initiative.

Two points were particularly noticeable this year in almost all categories:

On the one hand, a big number of products were submitted which will be launched at Fespa 2019 (from 14 May 2019). The jury was able to inspect some of them and convince itself of their practical suitability. These will also be available on the market from May 2019. Others are still in the state of a prototype or a beta version. The jury recommends that the latter participate again in the next competition.
On the other hand, several further developments were submitted. As long as these further developments bring clearly recognizable additional, significant and completely new features, they will be considered by the jury. Adaptations (updates of software to a next higher version, larger or smaller machines of a basic model) with only insignificant further developments are not real innovations according to the jury's understanding. In most cases, these products performed worse than new developments.

**EDP Technical Committee**

**Chairman:**

Herman Hartman
*(Editor in Chief, signPro Benelux)*

**Members:**

Klaus-Peter Nicolay
*(Editor in Chief, Druckmarkt, Germany)*

Igor Terentyev
*(Editor in Chief, Publish, Russia)*

**Back office:**

Julius Nicolay
*(Editor Druckmarkt, Germany)*

WINNERS
OF THE
EDP AWARDS 2019

FINALISTS AND WINNERS
# SOFTWARE/HARDWARE

All submitted products (including those nominated by members of the EDP) have been extensively reviewed and evaluated by the **EDP TECHNICAL COMMITTEE,** the finalists have been nominated for an **EDP AWARD** and presented to the members for approval. The vote of the members decides which products receive one of the prestigious awards. Congratulations!

# ENTRIES
# SOFTWARE / HARDWARE

The following product descriptions are based on the short submission texts of the competitors in the EDP Awards. They are slightly revised for this publication and do not represent the opinion of the EDP Technical Committee.

## LAYOUT, DESIGN AND EDITING SOFTWARE

**Canon | Océ Xpert Software**
Océ Arizona Xpert End-to-end solution to eliminate errors, reprints and waste with this pre-press software optimisation. It allows Arizona customers to create recipes for complex projects that can be repeated and adapted for true efficiency.

**Canon | Océ Touchstone**
See »Special Application Software«.

**CloudLab AG | createX**
The software solution solves the configuration challenges that other tools can't manage. createX can handle any configurable product, can create unique configurations, personalizations or mass customizations of even complex products.

## COLOR MANAGEMENT

**CGS | ORIS X Gamut**
ORIS X Gamut is a fully automatic color management software for extended color printing on digital and conventional presses. Using a standard fixed 7 or 8 color ink set, spot colors can be accurately reproduced (usually by adding orange, green and violet to the standard process inks). No need to mess around with special ink mixes. The match of software features and intelligent workflow tools enable printers to leverage the full gamut of the press and ink set so that spot colors and images are brilliantly reproduced in all their detail – all without the need for special color inks.

**ColorLogic | ColorAnt**
ColorAnt is an easy to use tool that corrects and optimizes measurement data with feature options including the ability to edit primary colors and substrate color using full sized test charts. ColorAnt can measure colors such as spot colors with recent spectrophotometers from the leading brands. All packages are flexible and customizable. ColorAnt's Multicolor features can be added with an upgrade to the L package.

**ColorLogic | ZePrA**
ZePrA Smart Color Server is a full featured color server that optimizes PDF printing data via DeviceLink profiles and can be integrated into an existing workflow for immediate results. All packages are flexible and customizable. ZePrA's more advanced features, such as Multicolor options or advanced spot color conversion, can be added as needed.

**Onyx Graphics | Onyx 18.5**
Building on new technologies that redefined color management in Onyx 18, it is a RIP solution with the Adobe PDF Print Engine 5.1 (APPE 5.1) which includes support for new features such as PDF 2.0 as part of a single technology PDF workflow. Onyx 18.5 represents the next level of technology to meet the business needs of Print Service Providers globally.

## WORKFLOW TECHNOLOGY

**Bobst | Digital Inspection Table DIT**
See »Inspection systems«.

**Elitron | Klick**
See »Print and finishing support tools«.

**HP Indigo | HP Edison Workflow Solution**
Based on the proven foundations of HP Production Pro, HP PrintOS and Esko Color Engine, HP Production Pro for Indigo Labels & Packaging is a powerful Labels & Packaging Digital Front End. HP production Pro for

# ENTRIES

Indigo Labels & Packaging provides: up to 5x faster RIP speed, compared to the previous HP L&P Print Server. Complete Prepress suite, based on HP technology. Openness to a variety of workflow automation tools including Esko Automation Engine and HP PrintOS Site Flow. Integrated color management with Esko Color Engine.

**Onyx Graphics | Onyx 18.5**
See »Color management«.

**Tilia Labs | Tilia Phoenix 7.0**
Phoenix 7.0 is the first solution that enables sheetfed and roll-fed printers to manage imposition, ganging and nesting for all print and post-print processes from a single source, across even the most complex production operations. Incorporating digital and conventional print output, stackers, cutters, stitchers, binders and distribution systems, the system's AI engine will search across potentially millions of layout possibilities, enabling fast accurate estimates, reducing pre-press time, maximizing media usage, and reducing post-press complexity.

## WORKFLOW SOLUTIONS

**HP Indigo | HP Print OS Market Place Solution**
Connecting the worlds largest print network, PrintOS Marketplace is a cloud-based hub for pre-built and tested solutions, ideas, know-how, licenses and services, all validated by peer reviews and available for instant use. Marketplace is a community of HP Graphics press owners, bringing together print service providers, software companies, content creators and industry specialists, enabling them to buy and sell resources, share and monetize their ideas.

## E-COMMERCE SOLUTIONS

**CloudLab | brandQ**
brandQ is a modern SaaS solution for marketing and Web to Publish portals. With brandQ, CloudLab relies on an open and flexible software architecture. The architecture renders it possible to build a tailor-made corporate solution, regardless of the number of projects: eProcurement systems, large online shops, marketing and brand portals, web to publish systems with extensive personalization functions and much more. Even the largest and most complex projects can be handled.

## MANAGEMENT INFORMATION SYSTEMS

**Dataline | MultiPress Installation App**
MultiPress is an MIS/ERP software solution developed from the needs of the graphics industry that links all administrative, commercial, financial, and logistics processes within the graphics company. It includes a CRM function, quotations, order management, logistics & forwarding management, planning, and invoicing. MultiPress integrates the company's production software and guarantees an automatic information exchange.
With the MultiPress Installation App, mobile employees manage the administration of sign and large format projects in real time at the customer's premises – including uploading photos.

**Obility | Printmanager Smart Print Calculator**
With the Printmanager smart calculation system printing companies save time and money when estimating print products. The digital expert system calculates all possible production paths for a printed product in a matter of seconds – even

# ENTRIES

for multiple quantities. First, a print product is uniquely defined on the basis of properties. This corresponds to the article configuration in a web shop, but is much more detailed. Based on this definition, the expert system checks which printing process and which printing presses are suitable for production. Then the corresponding work steps, the required time, the required machine and personnel expenditure and the material to be used are calculated for each production path. At the end, the cost prices of all production paths for selected quantities are calculated and displayed.

## SOFTWARE AUTOMATION TOOLS

### Agfa | PrintSphere Autopilot
Automate tasks using the optional AutoPilot module. AutoPilot allows to run scripts that automatically sort files (group by type, compress or decompress,...), rework PDF files (split or merge them,..), process XML files (convert them to JDF,...) or perform other automation tasks.

### Eurolaser | LaserScout 8
The network-compatible material database LaserScout Database is included as standard in the scope of delivery of LaserScout Connect and Create. Database makes all material profiles and properties available throughout the entire workflow. The exchange of job data including parameters between several machines is made possible by the use of the database. This maximizes flexibility and the necessary information for the production process is available. LaserScout Jobident enables the assignment of different application jobs by reading the existing QR code. The identified job file is automatically loaded in the user interface and the production process (i.e. laser cutting, milling, engraving or labeling) starts automatically.

### Ricoh | Communications Manager
Cloud-based, Ricoh Communications Manager (RCM) provides end to end workflow and customer experience management. It connects, manages and reports on digital and print communication. Offered as a Software as a Service, the scalable solution focuses on providing a repeatable and predictable way to connect the functional components

of a typical Customer Communications Management (CCM) system.

### Ricoh | Supervisor
An interactive Internet of Things (IoT) solution focused on collecting, and securely storing, operational data from printers, finishing, software and the shop floor. Cloud based and vendor-agnostic, it elevates profitability and productivity by enabling PSPs to quickly and accurately gather operation-wide data to help drive improvements and overall efficiencies. This could be ink usage per job, equipment utilisation, job status or operator performance. The data can be accessed via a browser or mobile device and, using business Intelligence tools, uploaded to an analytical dashboard to display trends, inefficiencies, consumables and sales cycles to help drive better business results.

## SPECIAL APPLICATION SOFTWARE

### Canon | Océ Touchstone
End-to-end solution to print textured/elevated large format prints by the Océ Arizona printers in a size of maximum 250 x 305 cm. Printing

# ENTRIES

technology for spectacular elevated results. Programmed layers of ink create unparalleled quality in high-resolution colour, adding exciting tactile elements to print projects

### CloudLab | createX
See »Layout, design and editing«.

### HP Indigo | HP Piazza
HP Piazza is an automated, integrated cloud based workflow services for publishers and content owners. Piazza seemlessly connects with HP PrintOS Site Flow to enable publishers to connect with print services providers. Piazza enables the publisher to transition their business models and print only what they need, when and where they need it. This advance means significantly lower costs, zero inventory, and no waste. Printing to order just got a lot simpler and more efficient.

### HP Indigo | HP SmartStream Collage
HP SmartStream Designer lets you create sophisticated, custom jobs through a simple, affordable variable data tool optimized for HP Indigo digital presses. It includes exclusive

plug-ins like HP Collage and HP Mosaic that let you create virtually unlimited design variations.

## MEASUREMENT AND CALIBRATION

### Bobst | Digital Inspection Table DIT
See »Inspection systems«.

### Lacunasolutions | SmartLightningSystem Entry
Entry solution – affordable LED normlight table lamp. Correct color representation. High color rendering index (CRI ›90). Complete light spectrum including UV. Adjustable brightness (dimming function). 3 types of light (D50, 5000K white light, UV light). ISO 3664:2009. Visibility of optical brighteners. Release of products, prints and contract proofs, soft proofing on the monitor, quality control. Affordable entry solution which closes the gap between clients, designer and producer.

## PRINT AND FINISHING SUPPORT TOOLS

### Elitron | Klick
Klick is Elitrons newest solution, developed specifically to automate the pre-printing preparation process.

Klick can be interfaced with all printers to speed up the print process, reduce ink wastage, keep the printing bed cleaner, and allow the reuse of otherwise left-over materials. This system automatically recognises the position of materials and objects freely placed anywhere on the print bed, and manages the workflow accordingly: Klick recognises the perimeter of the materials freely placed anywhere on the print bed, and the printer only prints the design/texture within the perimeter of the material/s recognised. No more printing over the whole print area. No more waste of ink To sum up: increased productivity, and reduced costs

## INSPECTION SYSTEMS

### Bobst | Digital Inspection Table DIT
The new benchmark for digital proofing and quality assurance. Incorporating digital projection for the proofing of printed sheets and die-cut blanks, Bobst Digital Inspection Table provides real-time visual representations to match product with digital proofs (from file to print to file for full close loop proofing).

RESULTS
# SOFTWARE / HARDWARE

| Category | Company | Product | Judging results |
|---|---|---|---|
| **Layout, design and editing** | | | **No Award in 2019** |
| | Canon | Océ Xpert Software | Finalist |
| | Canon | Océ Touchstone | Nominee |
| | CloudLab | createX | Finalist |
| **Color management** | | | **EDP Award 2019** |
| | CGS | ORIS X GAMUT | **Winner** |
| | ColorLogic | ColorAnt | Finalist |
| | ColorLogic | ZePrA | Finalist |
| | Onyx | Onyx 18.5 | Finalist |
| **Workflow technology** | | | **No Award in 2019** |
| | Bobst | Digital Inspection Table DIT | Nominee |
| | Elitron | Klick | Nominee |
| | HP Indigo | HP Edison Workflow Solution | Finalist |
| | Onyx | Onyx 18.5 | Finalist |
| | Tilia labs | Tilia Phoenix 7.0 | Finalist |
| **Workflow solutions** | | | **No Award in 2019** |
| | HP Indigo | HP Print OS Market Place | Nominee |
| **E-Commerce solutions** | | | **EDP Award 2019** |
| | CloudLab | brandQ | **Winner** |
| **Management information systems** | | | **EDP Award 2019** |
| | Dataline | MultiPress Installation App | **Winner** |
| | Obility | Smart Print Calculator | Finalist > Next year |

RESULTS
# SOFTWARE / HARDWARE

| Category | Company | Product | Judging results |
|---|---|---|---|
| **Software automation tools** | | | **No Award in 2019** |
| | Agfa | PrintSphere Autopilot | Finalist |
| | Eurolaser | LaserScout 8 | Finalist |
| | Ricoh | Communications Manager | Finalist |
| | Ricoh | Supervisor | Finalist |
| **Special application software** | | | **EDP Award 2019** |
| | Canon | Océ Touchstone | **Winner** |
| | CloudLab | createX | Finalist |
| | HP Indigo | HP Piazza | Finalist |
| | HP Indigo | HP SmartStream Collage | Finalist |
| **Measurement and calibration** | | | **EDP Award 2019** |
| | Bobst | Digital Inspection Table DIT | Finalist |
| | LacunaSolutions | SmartLightningSystem | **Winner** |
| **Print and finishing support tools** | | | **EDP Award 2019** |
| | Elitron | Klick | **Winner** |
| **Inspection Systems (•)** | | | **EDP Award 2019** |
| | Bobst | Digital Inspection Table DIT | **Winner** |

**\*** EDP member submission.

(•) New or changed category.

Nominee: This product was nominated for an Award but recommended for an other category by the jury.

Finalist: This product was short-listed and one choice for an Award.

No Award in 2019: The jury did not suggest an award for this category this year.

Next year: This product is recommended for the next year's competition.
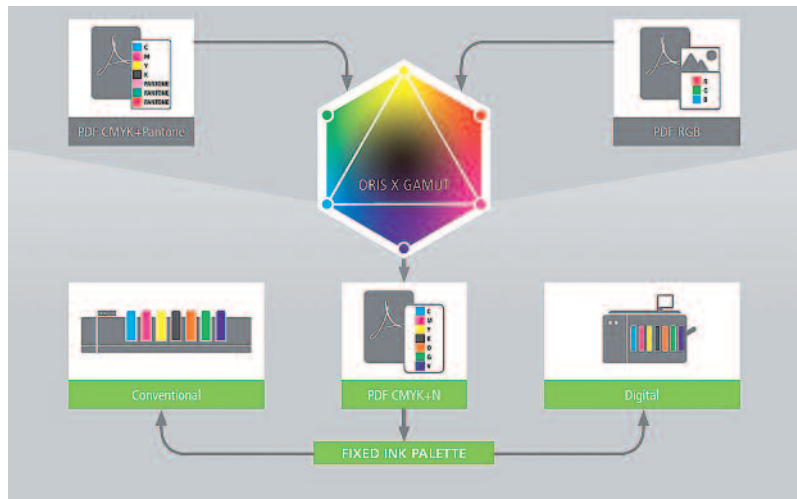
# COLOR MANAGEMENT



## FINALISTS

**CGS | ORIS X Gamut**

**ColorLogic | ColorAnt**

**ColorLogic | ZePrA**

**Onyx Graphics | Onyx 18.5**

The tasks and scopes of color management systems are clearly defined and all submissions correspond to the task at hand. However, some of the solutions seem rather complicated and correspond to typical expert systems, which are justified but lack user-friendliness for a broad market.

**THE WINNER**
**CGS | ORIS X Gamut**

ORIS X Gamut is a fully automatic color management software for extended color printing on digital and conventional presses. Using a standard fixed 7 or 8 color ink set, spot colors can be accurately reproduced – usually by adding orange, green and violet to the standard process inks.

No need to mess around with special ink mixes. The perfect match of software features and intelligent workflow tools in ORIS X Gamut enable printers to leverage the full gamut of the press and ink set so that spot colors and images are brilliantly reproduced in all their detail – all without the need for special color inks. This not only considerably streamlines the production process, but also helps to reduce costs enormously for printers and clients alike.

**Technical Committee's opinion:**

Seven-color (or multicolor) printing is becoming increasingly popular - not only in digital printing, but also in offset. ORIS X Gamut is a perfect tool to support both the one and the other world, as well as hybrid productions.
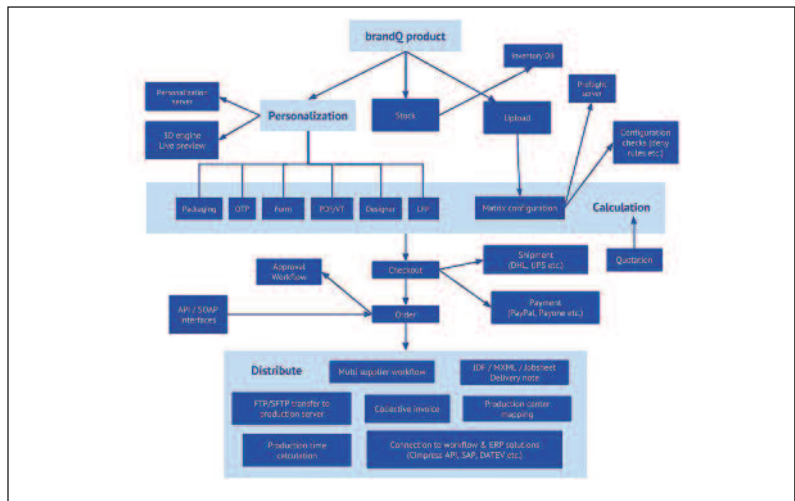
› www.cgs-oris.com

# E-COMMERCE SOLUTIONS



## FINALIST

**CloudLab | brandQ**



Closed shops with marketing portals are currently growing faster in the B2B market than open print shops. However, the range of products on the market, based on MIS or ERP systems, is still very regionally. One of the few truly international is brandQ. But it was also the only submission in this category.

**THE WINNER**
**CloudLab | brandQ**

brandQ is a modern SaaS solution for marketing and online print portals. With brandQ, CloudLab relies on an open and flexible software architecture. The architecture renders it possible to build a tailor-made corporate solution, regardless of the number of projects: eProcurement systems, large online shops, marketing and brand portals, web to publish sys-

tems with extensive personalization functions and much more. Even the largest and most complex projects can be handled. brandQ processes orders of subsidiaries and customers in a closed shop and displays them clearly in the order book. Thanks to numerous filtering and listing options the user will always maintain an overview. This enables to sort and filter all orders by division, status, date of production or shipping or various other criteria.

**Technical Committee's opinion:**

brandQ offers the complete automation of the ordering process as well as a multi-stage approval workflow. The result is one of the most flexible standard software solutions currently available. Both software and project development can be adjusted to match any requirement, any budget and any company size.

› www.cloudlab.ag

# MANAGEMENT INFORMATION SYSTEMS



AWARD 2019

**FINALISTS**

Dataline | **MultiPress Installation App**

Obility | **Printmanager Smart Print Calculator**

The task for the jury was not easy. On the one hand a new calculation software, on the other hand an app for mobile project management. The jury opted for the latter solution, but gave Obility the chance to compete again with the product in the next competition with a more international flair.

**THE WINNER**
Dataline | **MultiPress Installation App**

MultiPress is an MIS/ERP software developed for the needs of the graphics industry that links administrative, financial, and logistics processes. It integrates the company's production software for an automatic information exchange. The Installation App now manages mobile applications.

**Technical Committee's opinion:**

MultiPress is one of the few ERP systems that fits in different areas of the graphic market, from offset printers, copyshops and screenprinters to signmakers and large format service print providers. A considerable part of the work of signmakers takes place on location. Dataline comes as an addition to their ERP package with the MultiPress Installation App, mobile employees manage the

administration of sign and large format projects in real time at the customer's premises. Including uploading photos. The app, witch runs on Mac iOS and Android smartphones, overcome the distance between the field service and the home base and thus makes handling of the administration and adequate planning planning a lot easier.

› www.dataline.eu

# SPECIAL APPLICATION SOFTWARE

AWARD 2019

## FINALISTS

**Canon | Océ Touchstone**

**CloudLab | createX**

**HP Indigo | HP Piazza**

**HP Indigo | HP Smart-Stream Collage**

The finalists of a category could not be more different. First a classic application software, then a new programming platform, a workflow for publishers and content owners and finally a tool for variable data tailored to HP Indigo. All of these are interesting applications where the choice was not easy.

**THE WINNER**
**Canon | Océ Touchstone**

End-to-end solution to print textured/elevated large format prints by the Océ Arizona printers in a size of maximum 250 x 305 cm. Superior printing technology for spectacular elevated results. Using patented Océ ALPS technology, Océ Touchstone produces elevated printing with high-quality results. Programmed layers of ink create unparalleled quality in high-resolution color, adding exciting tactile elements to print projects

**Technical Committee's opinion:**

The technology isn't really new. Canon has presented it several times at various events. Previously, however, special files had to be created for the nearly three-dimensional prints, which is now possible for the users with the Océ Touchstone software. It is now available as an end-to-end solution for printing structured or elevated large format prints through the Océ Arizona printers. The superior printing technology offers the ability to print in multiple layers while simplifying workflow. The technology is a real asset for art reproductions.

› https://www.canon-europe.com/business-printers-and-faxes/oce-touchstone/

# MEASUREMENT & CALIBRATION



## FINALISTS

**Bobst | Digital Inspection Table DIT**

**Lacunasolutions | Smart LightningSystem Entry**

Sometimes it is the comparatively simple things that convince. This is also the case in this category. After all, who would want a space-consuming and shielded cabin for colour matching in the office if things could be easier now?

### THE WINNER
**Lacunasolutions | Smart LightningSystem Entry**

An affordable LED norm-light table lamp. Correct color representation. High color rendering index (CRI ›90). Complete light spectrum including UV. Adjustable brightness (dimming function). 3 types of light (D50, 5000K white light, UV light). ISO 3664:2009. Visibility of optical brighteners. Release of products, prints and contract proofs, soft proofing on the monitor, quality control.

### Technical Committee's opinion:

With the SmartLightning-System, LacunaSolutions offers a standard light system based on LEDs, in which the brightness can be regulated under standard light, 5000K white light and UV light. So far, this solution has been used for ceiling luminaires, light protection hoods and other applications. With the SLS-Entry, the developer has launched a LED standard light table lamp on the market that can close the gap in everyday production for customers, designers and producers. The small, lightweight, flexible and ISO-compliant entry-level lighting solution offers everything professional lighting needs.

› www.lacunasolutions.com

# PRINT & FINISHING SUPPORT TOOLS
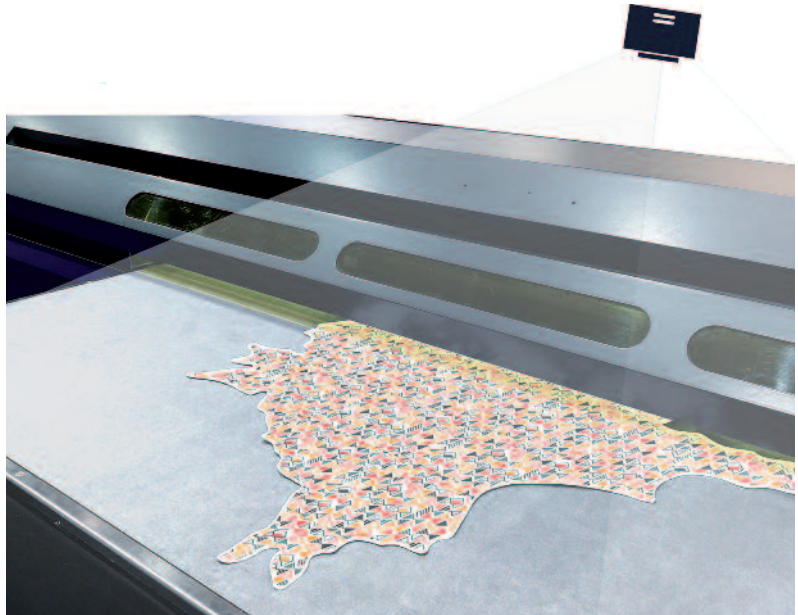


**FINALIST**

**Elitron | Klick**

Image and pattern recognition continues to advance and does not stop at the printing industry with new applications. Klick is an eloquent example of this and could certainly be interesting for special applications in the large format printing environment.

**THE WINNER**
**Elitron | Klick**

Klick has been developed for the automation of print preparation. Click can be connected to all printers. The system automatically detects the position of objects placed freely on the print bed and controls the workflow accordingly.
Klick 1 detects the circumference of the material placed; the printer then prints the design only

within the circumference of the material detected. Klick 2 detects the placed material and automatically nests the shapes via video projection. The shapes are automatically linked to the images to be printed. Online nesting can be cut on one of Elitron's cutting systems.
Klick 3 recognizes the circumference of the objects and identifies the shapes to be printed. The shapes are then coupled with the images to be printed.

**Technical Committee's opinion:**

The solution has the potential to increase productivity and reduce costs, as there is no need to print over the entire printing area, which reduces ink consumption and shortens printing time. In addition, there is less waste due to reuse of excess material. An interesting solution that still has to prove itself in practice.

› www.elitron.com

# INSPECTION SYSTEMS



## FINALIST

**Bobst | Digital Inspection Table DIT**



The product was nominated for various categories but did not really fit. The jury therefore decided to create a new category for inspection systems, as these will become increasingly important in the future in all areas of printing technology.

**THE WINNER**
**Bobst | Digital Inspection Table DIT**

The Digital Inspection Table includes a digital projection for proofing printed sheets and die-cut blanks, while simultaneously providing real-time visual representations to match the product with digital proofs. It uses HD projectors to illuminate the product sample with quality control images so

that the operator can easily see whether quality standards are being met or compromised. In addition, the layout file can be projected so that print registration can be reviewed and adjusted, eliminating overlays and shifting the process from paper to digital.

Bobst Digital Inspection Table provides real-time visual representations to match product with digital proofs (from file to print to file for full close loop proofing).

**Technical Committee's opinion:**

The inspection table is an exceptionally comprehensive solution designed specifically for packaging printing. The digital inspection table offers a number of functions that make production safer and thus prevent complaints.

› www.bobst.com

**WINNERS
OF THE
EDP AWARDS 2019**

FINALISTS AND WINNERS
# PRINTING SYSTEMS
## LARGE/WIDE FORMAT PRINTING

All submitted products (including those nominated by members of the EDP) have been extensively reviewed and evaluated by the **EDP TECHNICAL COMMITTEE,** the finalists have been nominated for an **EDP AWARD** and presented to the members for approval. The vote of the members decides which products receive one of the prestigious awards. Congratulations!

# ENTRIES
# PRINTING SYSTEMS
## LARGE/WIDE FORMAT PRINTING

The following product descriptions are based on the short submission texts of the competitors in the EDP Awards. They are slightly revised for this publication and do not represent the opinion of the EDP Technical Committee.

### ROLL-TO-ROLL PRINTER UP TO 170 CM

**Canon | Océ Colorado 1650**
The Colorado 1650 is the new addition within the UVgel familiy with new additional features such as flexible ink-FLXFinish; possibility to print both matt and gloss prints with the same ink – double sided printing.

**Mutoh | ValueJet 1638UR**
The printer is a 162cm wide dual head, dual lamp UV LED roll-to-roll printer developed for the commercial print and sign & display markets. The printer uses Mutoh's new US11 UV LED CMYK, White and Clear 0% VOC inks, which enable printing on a wide range of roll substrates. The VJ-1638UR creates dry output, ready for application or post-treatment. Thanks to the use of white and clear inks the unit enables printing on transparent media and non-white substrates, multi-layer printing and spot varnish effects. The printer integrates two piezo drop on demand print heads producing print resolutions up to 1.440 x 1.440 dpi.

Media roll weights up to 100kg can be handled by the machine.

**Roland DG | VersaEXPRESS RF-640 8 Colour**
The printer offers a wide color gamut for outdoor durable graphics, delivering stunning quality print with CMYK plus Light Black, Red, Green and Orange ink configuration. With the eco-solvent printer up to 99% of Pantone + Solid Coated is within gamut. The combination of the RF-640 8 Colour ink configuration and the ErgoSoft Roland Edition 2 Special Plus RIP software's advanced color replacement function and extensive Color Book compatibility deliver effortless colour management.

### ROLL-TO-ROLL PRINTER UP TO 320 CM

**swissQprint | Karibu**
Karibu is a high-quality roll to roll printer with unique features: An efficient loading system for easy and quick media setup. A vacuum system that controls every single vacuum channel at the touch of a finger. Using the swissQprint mesh kit, printing mesh is absolutely trouble-free. No tedious cleaning required after printing.

### FLATBED/HYBRIDE PRINTER UP TO 100 SQM/H

**Canon | Océ Arizona 1300 Series**
UV flatbed printers for high-value graphic art and industrial printing on any media with the unique flatbed design. The creation of textured print is possible with Océ Touchstone. The new Arizona prints instantly without a warm-up and prints with Océs bright white ink. Rapid results deliver prints up to 52.8 m2/h for fast production speeds. More uptime and keep going with the automated maintenance system and the Océ Remote Service.

**HP | Latex R2000 Printer**
The only true hybrid solution, equally strong in both rigid and flexible. Achieve amazing colors on both rigid and flexible, expand your offering with the glossiest white and increase your productivity with smarter printing.

**Mutoh | ValueJet 1627MH**
See »Multipurpose printer«

**Roland DG | VersaUV S-Series**
The series offers a choice of flatbed and belt options, in a range of bed widths and lengths. Printing directly

# ENTRIES

in CMYK, White and Gloss ink onto roll-to-roll, flexible or rigid substrate, on objects up to 200 mm in height and 100kg/ sqm in weight. The S-series delivers images, logos and text plus special effects including textures and embossed effects with ECO-UV White and Gloss ink. The series offers a choice of 4 models, 2 bed widths and 3 bed lengths. The belt version offers 3 different widths and lengths.

## FLATBED/HYBRIDE PRINTER UP TO 250 SQM/H

### Durst | P5 350
3,2 m hybrid UV printer for roll and boards, including LED curing technology and Durst Print Workflow solution. Production printing speed is 120 sqm/h -> 40 bph. Multi roll option with compact and robust design. Patented quick printhead change. Fast media roll loading by 2 positions for single & dual rolls. Foldable roll tables. Automatic detection of media width and thickness. Intelligent multi board infeed up to 6 boards simultaneously. Up to 3 independent printing queues. Integrated Durst Print Workflow solution (software pre- and post print).

## FLATBED/HYBRIDE PRINTER > 250 SQM/H

### Agfa | Jeti Tauro H3300 LED
The hybrid Jeti Tauro H3300 LED combines vivid six-color prints (plus white or primer) of high quality with productivity and cutting-edge automation. Agfa Graphics' hybrid 3.3-m UV inkjet printer for sign and display combines low ink consumption. It produces smooth, detailed UV-cured prints up to 3.2 m wide at up to 453 m2/h.

### swissQprint | Nyala 3S
Nyala 3S delivers impressive results at speeds up to 370 sqm/h. Since all swissQprint large format printers cause low operating cost, Nyala 3S offers a good price/performance ratio due to its productivity. Nyala 3S typically produces billboards, banners and similar large format items. But also challenging applications such as backlits are possible.

## PRINT & CUT SOLUTION

### Elitron | Klick
See »Print & finishing support tools

### Mutoh | ValueJet 1638UR
See »Roll-to-roll printer up to 170 cm«.

### Roland DG | TrueVIS VG2
The TrueVIS VG2 range offers more than 40 enhancements that deliver user benefits in terms of print quality and accuracy, performance and same-day finishing productivity across a huge range of applications. The VG2 adopts a new generation of eco-solvent TR2 ink, which now includes Orange to expand the colour gamut. Plus, a new colour management preset, True Rich Color, takes advantage of the colour reproduction capability. The VG2 delivers high-precision print and cut accuracy. New middle pinch rollers raise automatically prior to starting the cutting process, allowing the media to be cut without the rollers travelling over the printed area. New crop mark options for cutting laminated prints or long production runs of print and cut graphics provide cutting performance when used in combination with the new side pinch roller pressure functionality. TrueVIS VG2 and TR2 ink is certified.

### Zünd | OCC for S3 and NMM
The Over Cutter Camera OCC is now available for the S3 Digital Cutter. In combination with the Notching Marking Module NMM, it is an efficient textile cutting solution.

# ENTRIES

The NMM offers a combination of high-performance punching, notching, and marking tools for leather, rubber and textile materials. The Over Cutter Camera is an intelligent optics system for fully automated digital capture of registration marks. The camera is mounted above the center of the cutter, either on a support frame or suspended from the ceiling. It captures all register marks within the working area of the cutting system in a single image automatically and in a matter of seconds.

## OBJECT PRINTER

### Roland DG | VersaUV LEF2-200

The model is part of Roland DG's range of desktop and benchtop UV printers. The VersaUV LEF2-200 offers graphics and life-like textures, including finishes such as simulated embossing, onto a vast array of materials up to 100 mm thick and 20" wide. The LEF2-200 prints onto surfaces with typical applications ranging from customised promotional goods, gifts, souvenirs, stationery, electronics, signs, packaging, industrial items and prototypes. The VersaUV LEF2-200 supports an optional vacuum table and rotary axis jig for

printing onto bottles and other cylindrical objects.

## SPECIAL APPLICATION PRINTER

### Aleph | LaForte 400

LaForte 400 with its special vacuum belt this time used with a water base pigmented ink for blueback billboard, poster etc. The printer is equipped with jumbo feeder and a full automatic cutting system.

### HP | DesignJet Z9+ dr 44-in Post-Script Printer with V-Trimmer

Professional photo prints, fast and simple and more quality with fewer inks. Using HP Pixel control there is no need for light inks with new HP PHs and dual drop tecnology. First printer with Integrated vertical trimmer cuting post processing labor time up to 20%.Simple workflow, easily design applications, from poster to banners and canvas with HP Applications center. 20% reduction in post-processing labor time based on internal HP testing compared to HP DesignJet Z9+ dr Series printer without built-in vertical trimmer

### Mutoh | ValueJet 1627MH
See »Multipurpose printer«.

### Roland | VersaUV LEF2-200
See »Object printer«.

## MULTIPURPOSE PRINTER

### Mutoh | ValueJet 1627MH

The model is a 1.625 mm wide hybrid printer featuring a hot air knife media drying system and resin-based inks enabling direct printing on both rigid and roll substrates. The Value-Jet 1627MH incorporates a high end piezo drop-on-demand print head capable of producing print resolutions up to 720 x 1.440 dpi. It comes with a new CMYK + White resin-based ink set called MP-31. MP stands for Multi-Purpose, which refers to the capabilities of the inks and their versatility. The inks allow direct printing on white, transparent and coloured rigid substrates. Mutoh's MP-31 series inks have an UV durability up to 2 years outdoors without lamination. For rigid printing, the printer can be equipped with foldable rigid print tables. It handles rigid substrates with a thickness of maximum 16 mm and a weight of maximum 15 kg. For roll prints, the five colour 1627MH can be equipped with a 30 kg automated take-up system to roll up finished prints. Switching between rigid

# ENTRIES

and roll setup is fast. The new VJ-1627MH delivers a performance increase of up to 20%. In CMYK setup, print speeds up to 12 m² per hour at 720 x 720 dpi are possible.

## TEXTILE PRINTER ROLL-TO-ROLL UP TO 100 SQM/H

**Roland | Texart RT-640M**
The Texart RT-640M is a multi-function large format sublimation printer, designed to enable printing both directly onto transfer paper and direct-to-textile within one single affordable device. The printing capabilities mean that you can print directly onto polyester-based/coated substrates, as well as dye-sublimation transfer paper, using the same ink and RIP. Using Texart sublimation inks and the Ergosoft Roland Edition 2 RIP software (included in the printer package), it's simply to add a post-printing sublimation system (such as a heat press, calender, 3D vacuum or reactivator oven).

## TEXTILE PRINTER ROLL-TO-ROLL > 100 SQM/H

**Aleph | LaForte 100**
Semi industrial dye sublimation printer. The only one in the world with a vacuum belt in a range of entry level products.

**Mimaki | Tiger-1800B Mk II**
The Tiger-1800B MkII is Mimakis high volume textile printer with industrial level textile print capability. Compared to the former Tiger-1800B, the MkII version features Mimakis core technologies that ensure high image quality and stable production, such as MAPS (Mimaki Advanced Pass System), Nozzle Recovery System and Mimaki Circulation Technology. Furthermore, Mimaki has added a new high quality print mode of 1.200 x 1.200 dpi to the Tiger-1800B MkII. The machine is available in direct-to-fabric model and sublimation model. Fashion and apparel, home textiles, sportswear, soft furnishing fabrics.

**Mimaki | TS55-1800**
The Mimaki TS55-1800 is our latest dye sublimation printer. It is revolutionary because it offers features normally found in high-end textile printers and makes them accessible to the entry and midlevel markets. The TS55-1800 maintains high print quality even when printing one-pass at 140 sqm/h. It also offers mini jumbo roll unit and 10 kg ink tanks to facilitate high-volume, continuous production of up to 2.500 linear meter of transfer paper. And last but not least, it is equipped with Mimakis core technologies such as Nozzle Check Unit, Nozzle Recovery System and Advanced Pass System. Soft furnishing fabrics, home textiles, fast fashion, sportswear, flags and more.

## TEXTILE PRINTER DIRECT TO GARMENT

**Kornit | Atlas**
The perfect industrial direct-to-garment printing solution for high volume production. Endless possibilities and unparalleled total cost of ownership.

**Kornit | Avalanche Poly Pro**
New game-changing Kornit NeoPoly Technology with industry-first innovation for industrial polyester printing that prevents dye migration.

RESULTS
# PRINTING SYSTEMS
## LARGE/WIDE FORMAT PRINTING

| Category | Company | Product | Judging results |
|---|---|---|---|
| **Roll-to-roll printer < 170 cm** | | | **No Award in 2019** |
| | Canon | Océ Colorado 1650 | Finalist > Next year |
| | Mutoh | ValueJet 1638UR | Finalist |
| | Roland DG | VersaEXPRESS RF-640 8 | Finalist |
| **Roll-to-roll printer > 320 cm** | | | **EDP Award 2019** |
| | swissQprint | Karibu | **Winner** |
| **Flatbed/hybrid printer < 100 sqm/h** | | | **EDP Award 2019** |
| | Canon | Océ Arizona 1300 Series | Finalist |
| | HP | HP Latex R2000 Printer | **Winner** |
| | Mutoh | ValueJet 1627MH | Finalist |
| | Roland DG | VersaUV S | Finalist |
| **Flatbed/hybrid printer < 250 sqm/h** | | | **EDP Award 2019** |
| | Durst | P5 350 | **Winner** |
| **Flatbed/hybrid printer > 250 sqm/h** | | | **EDP Award 2019** |
| | Agfa | Jeti Tauro H3300 LED | **Winner** |
| | swissQprint | Nyala 3S | Finalist |
| **Print & cut solution** | | | **EDP Award 2019** |
| | Elitron | Klick | Nominee |
| | Roland DG | TrueVIS VG2 Printer/Cutters | **Winner** |
| | Zünd | OCC for S3 and NMM | Finalist |
| **Object printer** | | | **No Award in 2019** |
| | Roland DG | VersaUV LEF2-200 | Finalist |

# PRINTING SYSTEMS
## LARGE/WIDE FORMAT PRINTING

| Category | Company | Product | Judging results |
|---|---|---|---|
| Special application printer | | | No Award in 2019 |
| | Aleph | LaForte 400 | Finalist > Next year |
| | HP | DesignJet Z9+ dr 44-in | Finalist |
| | Mutoh | ValueJet 1627MH | Finalist |
| | Roland DG | VersaUV LEF2-200 | Finalist |
| Multipurpose printer (•) | | | EDP Award 2019 |
| | Mutoh | ValueJet 1627MH | Winner |
| Textile printer roll-to-roll < 100 sqm/h | | | No Award in 2019 |
| | Roland DG | Texart RT-640M | Finalist |
| Textile printer roll-to-roll > 100 sqm/h | | | EDP Award 2019 |
| | Aleph | LaForte 100 | Finalist > Next year |
| | Mimaki | Tiger-1800B MkII | Winner |
| | Mimaki | TS55-1800 | Finalist |
| Direct to garment printer | | | EDP Award 2019 |
| | Kornit | Atlas | Finalist |
| | Kornit | Avalanche Poly Pro* | Winner |

**\*** EDP member submission.

(•) New or changed category.

Nominee: This product was nominated for an Award but recommended for an other category by the jury.

Finalist: This product was short-listed and one choice for an Award.

No Award in 2019: The jury did not suggest an award for this category this year.

Next year: This product is recommended for the next year's competition.

# ROLL-TO-ROLL PRINTERS > 320 CM



**FINALIST**

**swissQprint | Karibu**



The first roll-to-roll printer of the Swiss manufacturer is officially introduced on May 14, 2019, but we had the exclusive opportunity together with about 100 customers to see the printer live in action in the Swiss headquarter and to get a comprehensive picture of the new product.

**THE WINNER**
**swissQprint | Karibu**

The Karibu is an UV printer with LED technology, a maximum print width of 3,4 m and a wide range of applications like textiles (frames, flags etc.), backlit, mesh, billboards, banner, posters, films (multilayer/block out), interior decoration (wallpaper), canvas and more. Karibu is a high-quality roll to roll printer with some unique features.

An efficient loading system for easy and quick media setup. A vacuum system that controls every single vacuum channel at the touch of a finger. A mesh kit enabling clean mesh printing with-out liner. The Karibu processes as well two rolls parallel and uses controlled web tension for flawless results.

**Technical Committee's opinion:**

The machine convinces overall with its concept, but also because of the many well thought-out details. Especially impressive are the new and odourless inks, which have been specially developed for web printing, they are extremely flexible and can be used on many materials. For the first web printer from swissQprint it seems to be a successful shot.

› www.swissqprint.com

# FLATBED/HYBRID PRINTER < 100 SQM/H



**FINALISTS**

**Canon | Océ Arizona 1300 series**

**HP | Latex R2000 Printer**

**Mutoh | ValueJet 1627MH**

**Roland DG | VersaUV S**

There could have been several winners in this category. But the jury chose the HP printer, which was presented at Fespa 2018 and has already proven itself in the market with numerous users.

**THE WINNER**
**HP | Latex R2000 Printer**

The Latex R2000 is a true hybrid solution, equally strong in both rigid and flexible. The Latex R2000 achieves amazing colors on rigid and flexible materials without compromising the gloss and feel of the material. The durable and flexible water-based inks print without odor and provide high adhesion and scratch resistance.

The model offers 5 printing modes with up to 92 sqm/h (outdoor) and one indoor high quality mode with 23 sqm/h. 8 print heads are used (cyan/black, magenta/yellow, light cyan/light magenta, HP Latex Overcoat, 2 HP Latex Optimizer, 2 white).

**Technical Committee's opinion:**

With the development of this technology, HP is responding to the desire of many print service providers to use a latex printer and water-based latex inks to print on plate and roll materials. Combined with the white HP Latex Ink, which produces a brilliant white on transparent and coloured media, you benefit from its versatility.

› www.hp.com

# FLATBED/HYBRID PRINTER < 250 SQM/H



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**FINALIST**

**Durst | P5 350**



Following the launch of the P5 platform at the beginning of last year, Durst will now launch another and wider model. Particularly noticeable are the further developments in reel loading and material handling.

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**THE WINNER**
**Durst | P5 350**

3,2 m hybrid UV printer for roll and boards including LED curing technology and Durst Print Workflow solution. Production printing speed is up to 120 sqm/h (40 bph). The multi roll option is using compact and robust design.The P5 320 offers patented quick printhead change, fast media roll loading by 2 positions for single and dual rolls and foldable roll tables. It also offers automatic detection of media width and thickness, an intelligent multi board infeed up to 6 boards simultaneously. Up to 3 independent printing queues are available.

**Technical Committee's opinion:**

The fact that the P5 platform is conceived for the highest availability shows the foresight of Durst for the topical needs in the market. Engineered for maximum uptime due to its industrial design in combination with Durst Analytics preemptive diagnostics and intervention software. The P5 core values productivity, print quality, versatility and efficiency.

› www.durst-group.com

# ARE YOU STRUGGLING WITH UNEQUAL CONDITIONS?

image: 123rf | lightwise

**EFFICIENCY** is a precondition for success in the market. The technology of the production equipment considerably contributes on it. For this the EDP Awards are a reliable advisor. If Europe's 21 leading trade magazines on digital production, united in the **E**uropean **D**igital **P**ress Association, yearly honour the best technological developments with the popular **EDP Awards**, these are selected according to criteria like achievement, quality and costs. Thus the EDP Awards offer orientation and give a neutral recommendation for purchase decisions.
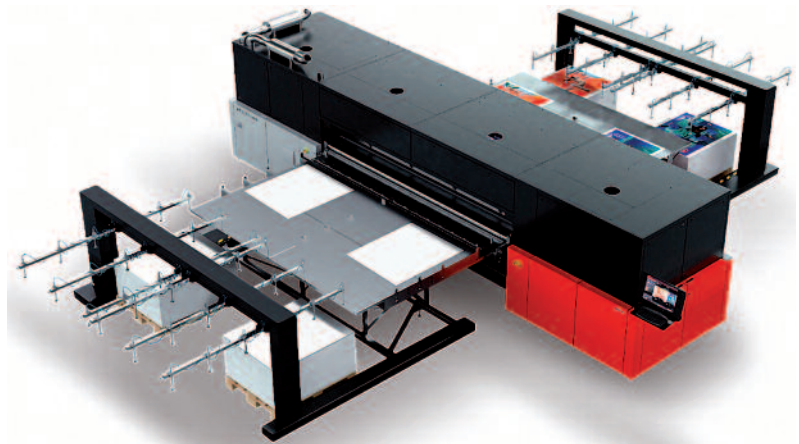
www.edp-awards.org

# FLATBED/HYBRID PRINTER > 250 SQM/H



## FINALISTS

**Agfa | Jeti Tauro H3300 LED**

**swissQprint | Nyala 3S**



The performance of today's flatbed and hybrid printers has now become an industrial benchmark. This concerns production speeds as well as automation tools, as Agfa impressively demonstrated with the introduction of the H3300 last year.

**THE WINNER**

**Agfa | Jeti Tauro H3300 LED**

The 3.3 m wide hybrid LED inkjet printing system delivers a very wide range of applications for roll and plate media from the sign and display sector to fully automatic machines and optional dual roll processing up to 800 kg weight. It combines print quality, low ink consumption and productivity with short makeready times. The Jeti Tauro H3300 LED offers LED UV-cured prints up to 3.3m wide at up to 453 sqm/hour. With the fast and cold UV LED curing of Agfa's highly pigmented LED UV inks and the business benefits of Asanti Workflow & RIP software (latest APPE standard included), this hybrid UV inkjet printer sets new standards.

**Technical Committee's opinion:**

Thanks to the rapid UV LED curing of Agfa's signature high-pigmented UV inks and the Asanti software, the hybrid UV inkjet workhorse exceeds expectations every time. The printer is a rugged hybrid printer for high utilization and round-the-clock printing in multiple shifts. This is what industrial manufacturing means.

› www.agfa.com

# PRINT & CUT SOLUTION



## FINALISTS

**Roland DG |
TrueVIS VG2**

**Zünd | OCC for S3
and NMM**

While Print & Cut has sometimes been seen as an emergency solution to minimise printer and cutter costs, new models offer options for high print productivity with high cutting quality that are almost as good as stand-alone solutions.

**THE WINNER**

**Roland DG | TrueVIS VG2**

The VG2 adopts a new generation of eco-solvent TR2 ink, which now includes Orange to expand the breadth of colour gamut even further and to optimise colour accuracy. Plus, a new colour management preset, True Rich Color, takes full advantage of the VG2's colour reproduction capability and the wide colour gamut provided by TR2 ink.

The VG2 offers a host of technological advancements to deliver high-precision print and cut accuracy for even more reliable results during unattended operation.

**Technical Committee's opinion:**

If an already known series like TrueVIS brings more than 40 improvements, we can almost speak of a new development. Developments in print quality and accuracy, cutting performance and productivity make the printer/cutter a true production tool. With the VG2, Roland DG has not adhered to existing concepts, but has redefined product development and concentrated on dozens of small details.

› www.rolanddg.com

# MULTIPURPOSE PRINTER

**AWARD 2019**

## FINALIST

**Mutoh | ValueJet
1627MH**



There was no way out for the versatility of Mutoh's new ValueJet: the jury had to create a category that reflected performance and versatility. For this reason, an EDP Award in the category Multipurpose printer will be presented for the first time.

## THE WINNER
**Mutoh | ValueJet
1627MH**

The ValueJet 1627MH is a 1.625 mm wide hybrid printer featuring a hot air knife media drying system and resin-based inks enabling direct printing on both rigid and roll substrates. The 1627MH incorporates a high end piezo drop-on-demand print head capable of producing print resolutions up to 720 x 1440 dpi.

The ValueJet 1627MH comes with new CMYK + White resin-based ink set called MP-31. MP stands for Multi-Purpose, which refers to the capabilities of the inks and their versatility. For rigid printing, the printer can be equipped with foldable print tables. It handles rigid substrates with a thickness of maximum 16 mm and a weight of maximum 15 kg. For roll prints, the five colour 1627MH can be equipped with a 30 kg automated take-up system to roll up finished prints.

**Technical Committee's opinion:**

In addition to the printer's versatility, Mutoh also optimized ease of use with semi-automatic cleaning cycles and automated material height measurement. The regular mainte-<<nance functions have also been improved so that the ValueJet offers high availability.

› www.mutoh.com

# TEXTILE PRINTER ROLL-TO-ROLL > 100 SQM/H



## FINALIST

**Aleph | LaForte 100**

**Mimaki | Tiger-1800B MkII**

**Mimaki | TS55-1800**



Textiles and clothing have become an integral part of the landscape of large format printing and are increasingly undergoing a transformation from analogue to digital printing. Mimaki recognized this trend early and introduced powerful solutions in this market segment.

**THE WINNER**
**Mimaki | Tiger-1800B MkII**

The Tiger-1800B MkII is Mimakis high volume textile printer with industrial level textile print capability. Compared to the former Tiger-1800B, the MkII version features Mimakis core technologies that ensure high image quality and stable production, such as MAPS (Mimaki Advanced Pass System), Nozzle Recovery System and Mimaki Circulation

Technology. Furthermore, Mimaki has added a new high quality print mode of 1.200 x 1.200 dpi to the Tiger-1800B MkII. The machine is available in direct-to-fabric model and sublimation model for fashion and apparel, home textiles, sportswear, soft furnishing fabrics.

**Technical Committee's opinion:**

The Tiger 1800B MkII printing system, available in two versions for direct textile printing and subli-

mation printing, is an example of how Mimaki is addressing the emerging digital textile printing market with different solutions and offering the market the required speed and quality.

› www.mimakieurope.com

# DIRECT TO GARMENT PRINTER



## FINALIST

**Kornit | Atlas**

**Kornit | Avalanche Poly Pro**



Kornit submitteld the Atlas for the competition. But the jury members knew about the brandnew Avalanche Poly Pro and decided to nominate this product as well to show in the EDP Awards the newest technology.

**THE WINNER**
**Kornit | Avalanche Poly Pro**

New game-changing Kornit NeoPoly technology with industry-first innovation for polyester printing that prevents dye migration. New Kornit Avalanche Poly Pro system unveiled at events during April, commercially available immediately.

**Technical Committee's opinion:**

The Kornit NeoPoly technology is a breakthrough when it comes to printing on polyester textiles. With a new pigmented Poly Pro ink it is possible to print directly on polyester (sports) clothing, and thanks to the white ink it is also possible to print on colored textiles. The inks developed by Kornit fit into the same workflow as the NeoPigment inks from Kornit. This means that a pretreatment takes place in the printer prior to printing. Kornit says it has 'the' solution for bleeding when printing on colored polyester. It is sufficient to cure the print afterwards at a relatively low temperature of approximately 110 °C. The first DtG printer that is equipped with it is the Avalanche, with added with Poly Pro to the product name.

› www.kornit.com

**WINNERS
OF THE
EDP AWARDS 2019**

FINALISTS AND WINNERS
# PRINTING SYSTEMS
COMMERCIAL PRINTING

All submitted products (including those nominated by members of the EDP) have been extensively reviewed and eva-luated by the **EDP TECHNICAL COMMITTEE,** the finalists have been nominated for an **EDP AWARD** and presented to the members for approval. The vote of the members decides which products receive one of the prestigious awards. Congratulations!

## ENTRIES
# PRINTING SYSTEMS
## COMMERCIAL PRINTING

The following product descriptions are based on the short submission texts of the competitors in the EDP Awards. They are slightly revised for this publication and do not represent the opinion of the EDP Technical Committee.

### CUTSHEET PRINTER MONOCHROME UP TO B3

**Ricoh | Pro 8300 series digital sheet fed presses**
Ricoh's Pro 8300 series of sheet fed presses is designed to give print shops, commercial printers etc. greater mono production flexibility and capability. It comprises two higher speed production models that run at 111ppm and 136ppm.

### CUTSHEET PRINTER COLOR UP TO B3 > 200,000 A4/MONTH

**Xerox | Iridesse Production Press**
The Xerox Iridesse Production Press combines highly automated, agile digital production with high image quality and stunning decoration and metallic effects, making it easier for printers to demonstrate the potential of print and finishing. Recommended average monthly volume is 225.000 up to 475.000 impressions per month. Speed: 120 ppm.

### CUTSHEET PRINTER COLOR B2 (+)

**Fujifilm | Jet Press 750S**
Fujifilm's third generation B2 inkjet press printing at 3.600 B2 sheets per hour with inkjet printheads jetting four colour, wide gamut and Fujifilm Vividia inks. Built on an a Fujifilm Graphic Systems Division chassis, feeding standard coated and uncoated offset paper stock with a sheet size 750 mm x 585 mm.

**HP Indigo | 12000HD**
Built on the proven HP Indigo 12000, the 12000 HD sets a new benchmark for print quality with the new high-definition writing head solution. The HD Imaging System doubles print resolution and decreases ink dot size achieving higher image smoothness and detail reproduction. Photo applications and commercial applications such as posters, oversized books, photo applications, specialty products are possible.

### WEB FED PRINTER COLOR < 550 MM WEB WIDTH

**Ricoh | Pro VC70000**
The Ricoh Pro VC70000 colour continuous feed inkjet platform features an innovative dryer and Ricoh's own extended gamut inks. They enable direct print on a variety of offset papers without the need for pre-treatment or post-treatment. This supports offset coated substrates and encourages commercial printers to combine offset with digital production flexibility for brochure, direct mail and book applications. The platform prints at speeds up to 150 m/min, producing nearly 12,000 duplex B2 sheets per hour.

**Xerox | Trivor 2400 HF Inkjet Press**
Trivor is a 4 m compact platform that protects customer investment being upgradable in speed, mono to color and ink. with the new High fusion ink, Trivor had a big success in 2018 due to the capability to print glossy and coated offset low cost paper with a good PQ and low TCO enlarging the latitude of publishing apps. This solution is benchmark in compatness, flexibility, protection investment, low TCO, and large paper range.

### LABEL PRINTER < 320 MM WEB WIDTH

**Gallus | Smartfire**
Getting started in digital label printing, now made easy. Easy to use, economically affordable and suitable for any work environment, the Gallus Smartfire is the starter model for digital label printing in narrow web. Digital cut plotter, semi-rotary and die cut unit – from print file to finished die cut label in only one pass.

# PRINTING SYSTEMS
## COMMERCIAL PRINTING

| Category | Company | Product | Judging results |
|---|---|---|---|
| **Cutsheet monochrome up tp B3** | | | **No Award in 2019** |
| | Ricoh | Pro 8300 series | Finalist |
| **Cutsheet color up to B3 > 200,000 A4/month** | | | **EDP Award 2019** |
| | Xerox | Iridesse Production Press | **Winner** |
| **Cutsheet color B2 (+)** | | | **EDP Award 2019** |
| | Fujifilm | Jet Press 750S | **Winner** |
| | HP Indigo | HP Indigo 12000HD | Finalist |
| **Webfed color up to 550 mm width** | | | **EDP Award 2019** |
| | Ricoh | Ricoh Pro VC70000 | **Winner** |
| | Xerox | Xerox Trivor 2400 HF Inkjet Press | Nominee |
| **Label printer up to 320 mm width** | | | **No Award in 2019** |
| | Gallus | Smartfire | Finalist |

**\*** EDP member submission.

(•) New or changed category.

Nominee: This product was nominated for an Award but recommended for an other category by the jury.

Finalist: This product was short-listed and one choice for an Award.

No Award in 2019: The jury did not suggest an award for this category this year.

Next year: This product is recommended for the next year's competition.

# CUTSHEET COLOR UP TO B3 > 200.000 A4/MONTH

**FINALIST**

**Xerox | Iridesse
Production Press**

Digital printing is an established technology. Finishing in subsequent processes is also common. But printing and finishing in a single operation was previously not possible in this equipment class. This is now changing.

**THE WINNER
Xerox | Iridesse
Production Press**

The Xerox Iridesse Production Press is the latest Digital Production Colour printing system in the Xerox Portfolio. The Iridesse combines highly automated, agile digital production with high image quality and stunning decoration and metallic effects, making it easier for printers to demonstrate the potential of print and finishing.

Recommended average monthly volume is 225.000 up to 475.000 impressions per month. Speed: 120 ppm.

**Technical Committee's opinion:**

In 2018, the Iridesse was the only really noteworthy new development in this product class. With the digital printer, Xerox made digital printing a feature possible that was previously possible in offset printing only: underprinting with metallic toner

and printing colour shades for interesting gold and silver effects. All in one pass. Xerox has also kept its word and released the white toner in autumn. A great solution.

› www.xerox.com

# CUTSHEET PRINTER COLOR B2 (+)



**FINALISTS**

**Fujifilm | Jet Press 750S**

**HP Indigo | 12000HD**



The world of commercial print is changing fast. Long run jobs are becoming more and more unprofitable as overcapacity in the market drives down prices and run lengths continue to reduce. Print buyers, on the other hand, need shorter and shorter print runs and ultra-fast turnarounds, but with no compromise in quality.

**THE WINNER**
**Fujifilm | Jet Press 750S**

The Jet Press 750S is Fujifilm's third generation B2 inkjet press printing at 3.600 B2 sheets per hour with inkjet printheads jetting four colour, wide gamut and Fujifilm Vividia inks. Built on an a Fujifilm Graphic Systems Division chassis, the Jet Press offers prints on standard coated and uncoated offset paper stock with a sheet size 750 mm x 585 mm.

**Technical Committee's opinion:**

The Jet Press 750S is the perfect blend of the old and new. Combining the offset paper handling with the best digital inkjet technologies not only makes perfect sense, it represents the third generation of this-breaking press. Built on an offset chassis, it features superb sheet-to-sheet registration, and combined with the industry's leading Samba inkjet system, it is unique in delivering print quality.

The other key advantage is that the Jet Press 750S is reliable, with up-time figures comparable to a traditional offset press. Combine that with the latest inkjet printhead and ink technologies, software improvements, more efficient maintenance and a completely new drying system, the Jet Press is one of the fastest 4 colour, B2 sheet-fed digital press.
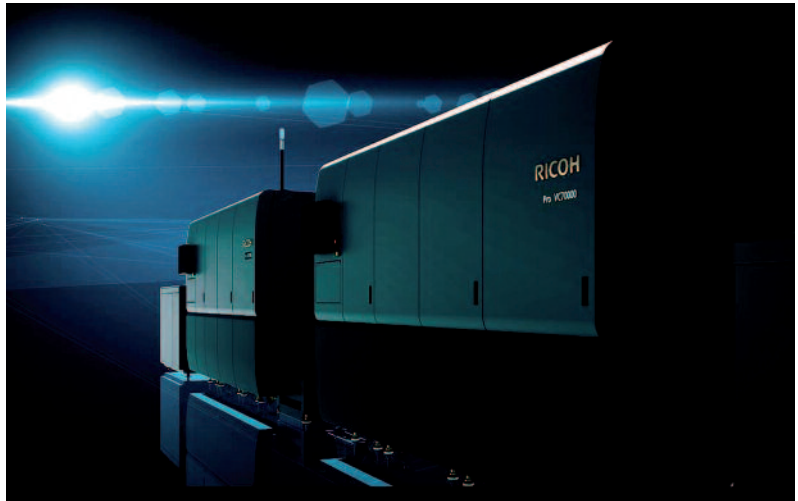
› www.fujifilm.com

# WEBFED COLOR < 550 MM WIDTH



**FINALIST**

Ricoh | **Pro VC70000**



In addition to digital sheet-fed presses, web inkjet systems are also working on winning jobs from offset printing and on making up ground with personalization options. It is therefore astonishing that there have been no new inkjet machines in recent months - with the exception of this model.

**THE WINNER**
Ricoh | **Pro VC70000**

The Ricoh Pro VC70000 colour continuous feed inkjet platform features an innovative dryer and Ricoh's own extended gamut inks. They enable direct print on a variety of offset papers without the need for pre-treatment or post-treatment. This supports offset coated substrates and encourages commercial printers to combine offset with digital production flexibility

for brochure, direct mail and book applications. The platform prints at speeds up to 150 m/min, producing nearly 12,000 duplex B2 sheets per hour. It incorporates Ricoh's latest state of the art piezo drop on demand print heads producing 1.200 x 1.200 dpi resolution.

**Technical Committee's opinion:**

We are going through a transition to a situation where high quality, value-driven, short run jobs will

be the norm, where turnaround times will be hours not days, and where long run jobs will be the exception not the rule. Inkjet is the perfect technology to address these changing market conditions, and the Pro VC70000 is without doubt one of the front runners.

› www.kodak.com

**WINNERS
OF THE
EDP AWARDS 2019**

FINALISTS AND WINNERS
# INDUSTRIAL SOLUTIONS
## PRINT & FINISHING

All submitted products (including those nominated by members of the EDP) have been extensively reviewed and eva-luated by the **EDP TECHNICAL COMMITTEE,** the finalists have been nominated for an **EDP AWARD** and presented to the members for approval. The vote of the members decides which products receive one of the prestigious awards. Congratulations!

## ENTRIES
# INDUSTRIAL SOLUTIONS
## PRINT & FINISHING

The following product descriptions are based on the short submission texts of the competitors in the EDP Awards. They are slightly revised for this publication and do not represent the opinion of the EDP Technical Committee.

### PRINT & FINISHING SOLUTION

**Barberán | Jetmaster Series**
Single Pass digital printing technology designed for several industrial applications and different substrates: panels, foils for wrapping, ceramic tiles, flooring, cork, linoleum, glass, metallic sheets, corrugated cardboard, paper, forex or coroplast. High quality, resolution and speed up to 50 m/min on flat panels and 80 m/min on corrugated. Jetmaster printers are prepared for printing with 4 or 6 colors (CMYK + light cyan & light magenta or orange & violet) and varnishes. Wider gamut, almost 90% of Pantone colors covered. Variable data system. Jetmaster ads a 3D effect to the materials by the use of transparent inks.

### MGI | AlphaJet

The AlphaJet is to consolidate the functionality of traditionally separate, disconnected workflows, such as primer coating, printing, and embellishment and converting, into a single combined all-in-one print factory, for complete job management. AlphaJet combines 6 digital B1 ink-jet printing and embellishment functions that include: white UV

pigment ink, inline substrate sheet priming, 2D/3D UV clear varnish. 3 curing methods: LED, IR & UV, aqueous CMYK printing ink, variable embossed foil decorating.
The AlphaJet is also designed with capabilities for the implementation of Printed Electronic, applications such as chipless RFID/NFC antennas and OLED flexible screen technology. The AlphaJet utilizes Memjet Duralink ink modules and print heads for CMYK color impressions, with 1.600 dpi resolution. The powerful array of high speed ink processes, allows to both print and embellish paper, corrugated flute board, plastic and synthetic substrates at 1.800 B1 sheets per hour. Its substrate management model, using a transport carousel with an tray feeding system for multi-directional ink application, optimizes print quality on a very wide range of substrates.
The AlphaJet also has versatile substrate management capabilities for folding carton materials, corrugated flute board and other specialty stocks and rigid materials such as wood, metal and glass.

### Mimaki | Tiger-1800B MkII and Mimaki Rimslow Series

Following the acquisition of Rimslow, an Australian manufacturer of

pre- and post-treatment machines, Mimaki now offers a complete solution for textile production (fashion and apparel, home textiles, sportswear, soft furnishing fabrics): from pre-treatment of fabrics, to printing on textiles, to steaming and washing the printed fabrics until they are ready to use. With this one-stop solution, companies will have complete control over their production process. Furthermore, when technical support is needed, they need to contact one supplier (Mimaki).

### PHOTO BOOK SOLUTION

**HP Indigo | 12000HD**
Built on the proven HP Indigo 12000, the HP Indigo 12000 HD sets a new benchmark for print quality with the new writing head solution. The HD Imaging System doubles print resolution and decreases ink dot size achieving higher image smoothness and detail reproduction for photo applications, posters, oversized books etc.

### FOLDING CARTON SOLUTION

**Barberán | Jetmaster Series**
See »Print & finishing solution«

## CORRUGATED SOLUTION

**Barberán | Jetmaster Series**
See »Print & finishing solution«

## FLEXIBLE PACKAGING SOLUTION

**HP Indigo | Pack Ready Lamination**
Pack Ready Lamination is an energy efficient, chemical-free, easy to use system that allows converters to meet the growing demand for fast time to market, increase throughput, and reduce total costs with zero curing time for lamination. Traditional flexible packaging can take up to 10 days to go from printing to sealing. HP Indigo Pack Ready Lamination is a non-adhesive lamination solution for digitally printed flexible packaging, thus requiring no time for curing. Produce a wide range of flexible packaging for food and beverage products, using lamination film that conform with global food packaging safety standards.

**Xeikon | Solution for pouches**
This innovation has been developed for consumer goods markets – food, beverage, chemical and pharmaceutical industries. The digital process for printing on pouches responds to current trends, i.e. significant numbers of SKU's, shorter lead times, and the rising popularity of pouches in store. Brand owners looking for shelf impact for their products are drawn to flexible pouches for their ability to stand, their light weight and their sustainability. Xeikon has simplified a key part of the overall production process to provide a fast turnaround solution.

## TEXTILE PRODUCTION

**Zünd | OCC for S3 and NMM**
The Over Cutter Camera OCC is now available for the S3 Digital Cutter. In combination with the Notching Marking Module NMM, it is an efficient textile cutting solution. NMM offers a combination of high-performance punching, notching, and marking tools for leather, rubber and textile materials. OCC is an intelligent optics system for fully automated digital capture of registration marks. The camera is mounted above the center of the cutter, either on a support frame or suspended from the ceiling. It captures all register marks within the working area of the cutting system in a single image.

## PRE- AND POSTPRESS-TREATMENT SOLUTION

**Mimaki | Tiger-1800B MkII and Mimaki Rimslow Series**
See »Print & finishing solution«

## PRINT ENGINES AND PRINT HEADS

**HP Indigo | 12000HD**
See »Photo book solution«

**Memjet | DuraLink**
DuraLink is a new single-pass digital printing platform that features a long-life printhead, durable pigment inks, over 2.5 meters (over 100 inches) maximum print width and a range of versatile modules. The system includes printheads, inks, printhead support modules, ink delivery and management components, printhead maintenance components, custom support electronics, control and interface software. This modular technology enables fast and cost-efficient product development, industry-leading native resolution, and small drop sizes for offset-like print quality up to 1.600 x 1.585 dpi, with 5x nozzle redundancy, and print speeds of up to 203.6 m/min.

RESULTS
# INDUSTRIAL SOLUTIONS
## PRINT & FINISHING

| Category | Company | Product | Judging results |
|---|---|---|---|
| **Print & finishing solution (•)** | | | **EDP Award 2019** |
| | Barberán | Jetmaster series | Finalist |
| | MGI | AlphaJet | **Winner** |
| | Mimaki | Tiger-1800B MkII and Rimslow Series | Nominee |
| **Photo book solutions** | | | **EDP Award 2019** |
| | HP Indigo | HP Indigo 12000HD | **Winner** |
| **Folding carton solution** | | | **No Award in 2019** |
| | Barberán | Jetmaster series | Finalist |
| **Corrugated solution** | | | **EDP Award 2019** |
| | Barberán | Jetmaster series | **Winner** |
| **Flexible packaging solution** | | | **EDP Award 2019** |
| | HP Indigo | Pack Ready Lamination | Finalist |
| | Xeikon | Solution for pouches* | **Winner** |
| **Textile production** | | | **EDP Award 2019** |
| | Zünd | OCC for S3 and NMM | **Winner** |
| **Pre- and postpress-treatment solution (•)** | | | **EDP Award 2019** |
| | Mimaki | Tiger-1800B MkII and Rimslow Series | **Winner** |
| **Print engines and print heads** | | | **EDP Award 2019** |
| | HP Indigo | HP Indigo 12000HD | Finalist |
| | Memjet | DuraLink | **Winner** |

**\*** EDP member submission.
(•) New or changed category.
Nominee: This product was nominated for an Award but recommended for an other category by the jury.
Finalist: This product was short-listed and one choice for an Award.
No Award in 2019: The jury did not suggest an award for this category this year.
Next year: This product is recommended for the next year's competition.

# THE RIGHT TECHNOLOGY LENDS WINGS.

image: 123rf | lightwise

**TECHNOLOGICAL LEAD** of the used production equipment always means competitive advantages. For this the EDP Awards are a reliable advisor. If Europe's 21 leading trade magazines on digital production, united in the **E**uropean **D**igital **P**ress Association, yearly honour the best technological developments with the popular **EDP Awards**, these are selected according to criteria like achievement, quality and costs. Thus the EDP Awards offer orientation and give a neutral recommendation for purchase decisions.

www.edp-awards.org

# PRINT & FINISHING SOLUTION



**FINALISTS**

**Barberán |
Jetmaster series**

**MGI | AlphaJet**

**Mimaki | Tiger-1800B
MkII and Rimslow series**

There will probably only a few printing companies that will take advantage of the full performance range of the AlphaJet. But as the demands for short throughput times increase, such an universal press can be a highly interesting option for commercial print as well as packaging.

**THE WINNER**
**MGI | AlphaJet**

AlphaJet combines 6 digital B1 inkjet printing and embellishment functions that include white UV pigment ink, inline substrate sheet priming, 2D/3D UV clear varnish and offers 3 curing methods: LED, IR & UV, aqueous CMYK printing ink, variable embossed foil decorating. The AlphaJet is also designed with capabilities for the implementation of Printed Electronic technologies.

The AlphaJet utilizes Memjet DuraLink ink modules and print heads for CMYK color with 1.600 dpi resolution. The powerful array of high speed ink processes, allows to both print and embellish paper, corrugated flute board, plastic and synthetic substrates at 1.800 B1 sheets per hour. Its substrate management model, using a transport carousel with an tray feeding system for multi-directional ink application, optimizes print quality on a wide range of substrates. AlphaJet also

can print on folding carton, corrugated board and rigid materials such as wood, metal and glass.

**Technical Committee's opinion:**

The AlphaJet is to consolidate the functionality of traditionally disconnected workflows into a single all-in-one workflow. The diversity of the AlphaJet is unmatched. It may come at exactly the right time.

› www.mgi-fr.com

# PHOTOBOOK SOLUTION

**AWARD 2019**

**FINALIST**
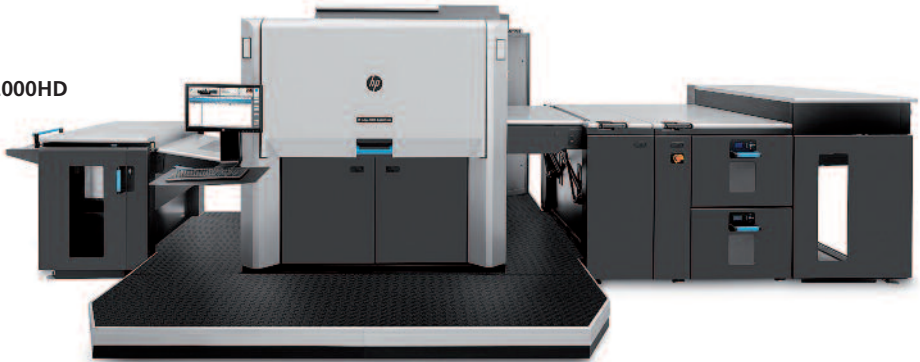
**HP Indigo | 12000HD**

In fact, the HP Indigo is an universal digital press for all imaginable commercial jobs. In the field of photo books, however, the model should be unbeatable.

**THE WINNER**
**HP Indigo | 12000HD**

Built on the proven HP Indigo 12000, the HP Indigo 12000 HD sets a new benchmark for print quality with the new writing head solution. The HD Imaging System doubles print resolution and decreases ink dot size achieving higher image smoothness and detail reproduction for photo applications, posters, oversized books etc.

**Technical Committee's opinion:**

Of course, the HP Indigo 12000HD can also print any commercial commercial job. The applications are almost overwhelming. But the machine's photo-book production capabilities are not only characterised by its large format and media diversity, but also by its wide colour gamut and the ability to print seven colours. But the black-and-white prints are particularly impressive.

The printing of mono-chrome images is also possible at a speed of 4,600 duplex sheets per hour for cost-effective just-in-time production.

› hp.com/go/indigo

# CORRUGATED SOLUTION



**FINALIST**

**Barberán | Jetmaster series**



Barberán produced its first printer in 1972. Today, the digital models of the Jetmaster series are capable of printing on almost any type of surface and are mainly used in industrial environments.

**THE WINNER**

**Barberán | Jetmaster series**

The single pass digital printing technology is designed for several industrial applications and different substrates: panels, foils for wrapping, ceramic tiles, flooring, cork, linoleum, glass, metallic sheets, corrugated cardboard, paper, forex or coroplast. The Jetmaster series offers high quality, resolution and speed up to 50 m/min on flat panels and 80 m/min on corrugated. Jetmaster printers are prepared for printing with 4 or 6 colors (CMYK + light cyan & light magenta or orange & violet) and varnishes. Wider gamut, almost 90% of Pantone colors covered. Jetmaster is a variable data system and ads a 3D effect to the materials by the use of transparent inks.

**Technical Committee's opinion:**

Barberán machines can be configured for a wide variety of substrates. The digital corrugator press is probably the fastest industrial machine on the market, with speeds up to 60 m/min.

› www.barberan.com

# FLEXIBLE PACKAGING SOLUTION



**FINALIST**

**HP Indigo | Pack Ready Lamination**

**Xeikon | Solution for pouches**

Pouches can be reasonably complex to manufacture because of the flexible nature of their multi-layers. It is essentially a laminated bag made from several layers of material that requires a number of different steps in production. Xeikon is helping to simplify the process.

**THE WINNER**

**Xeikon | Solution for pouches**

This innovation has been developed for consumer goods markets – food, beverage, chemical and pharmaceutical industries. The digital process for printing on pouches responds to current trends, i.e. significant numbers of SKU's, shorter lead times, and the rising popularity of pouches in store. Brand owners looking for shelf impact for their products are drawn to flexible pouches for their ability to stand, their light weight and their sustainability. Xeikon has simplified a key part of the overall production process to provide a fast turnaround solution.

**Technical Committee's opinion:**

The Xeikon digital printing solution for pouches is the first one in the industry with dry toner and it significantly simplifies and accelerate flexible pouch printing.
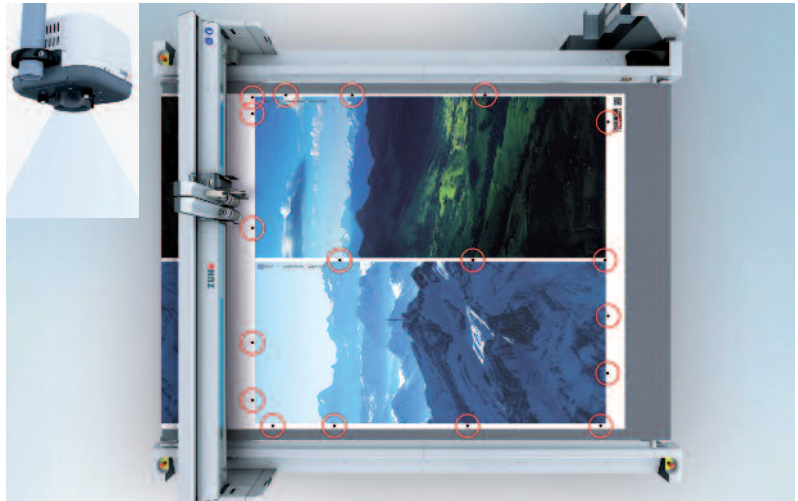
It was developed and proved in the field in a co-operation with UK printer CS Labels. And it is the right answer to the current and future challenges in the packaging industry - the rising numbers of SKU's and retail popularity of pouches, and shorter lead times.

› www.xeikon.com

# TEXTILE PRODUCTION



**FINALIST**

**Zünd | OCC for S3 and NMM**



When it comes to processing expensive and valuable materials, precision always plays a major role. This is certainly the case with the handling of leather, but it can also be relevant with other valuable materials and textiles.

**THE WINNER**

**Zünd | OCC for S3 and NMM**

The Over Cutter Camera OCC is an intelligent optical system for fully automated digital capture of registration marks. The OCC is now available for the S3 Digital Cutter. In combination with the Notching Marking Module NMM, it is an efficient textile cutting solution. NMM offers a combination of high-performance punching, notching, and marking tools for leather, rubber and textile materials.

The camera is mounted above the center of the cutter, either on a support frame or suspended from the ceiling. It captures all register marks within the working area of the cutting system in a single image.

**Technical Committee's opinion:**

The OCC camera had already received an EDP Award in 2018, but the extended possibilities beyond textiles make the system even more interesting. In addition, the availability of OCC for the 6 models of the S3 means a significant expansion for applications in the market.
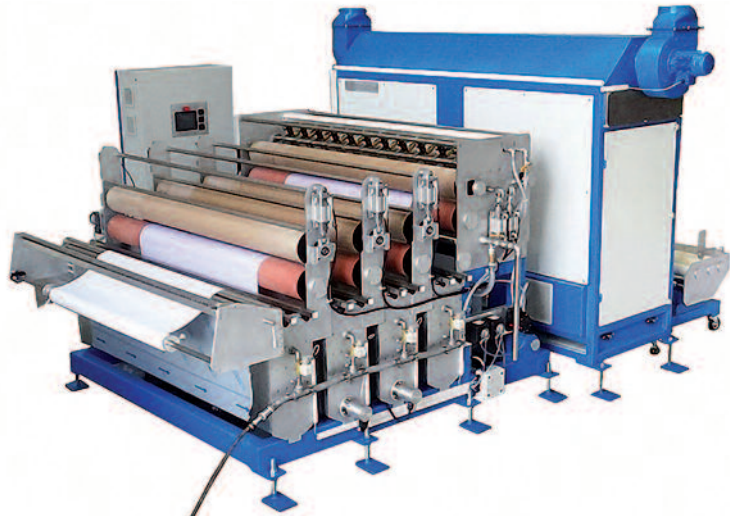
› www.zund.com

# PRE- AND POSTPRESS-TREATMENT SOLUTION

**FINALIST**

**Mimaki | Tiger-1800B
MkII and Mimaki
Rimslow Series**

Occasionally, the pre- or post-treatment of materials is just as important as the actual printing process. Mimaki has recognized this and offers a corresponding solution in the textile sector.

**THE WINNER**
**Mimaki | Tiger-1800B
MkII and Mimaki
Rimslow Series**

Following the acquisition of Rimslow, an Australian manufacturer of pre- and post-treatment machines, Mimaki now offers a complete solution for textile production (fashion and apparel, home textiles, sportswear, soft furnishing fabrics): from pre-treatment of fabrics, to printing on textiles, to

steaming and washing the printed fabrics until they are ready to use. With this one-stop solution, companies will have complete control over their production process. Furthermore, when technical support is needed, they need to contact one supplier (Mimaki).

**Technical Committee's opinion:**

IEspecially in connection with ever shorter delivery times, it is becoming more and more important for companies to manufac-

ture products completely in-house. This saves time as well as transport costs and ensures that quality is in their own hands.
And last but not least, this solution fits perfectly with the Mimaki Tiger-1800B MkII.
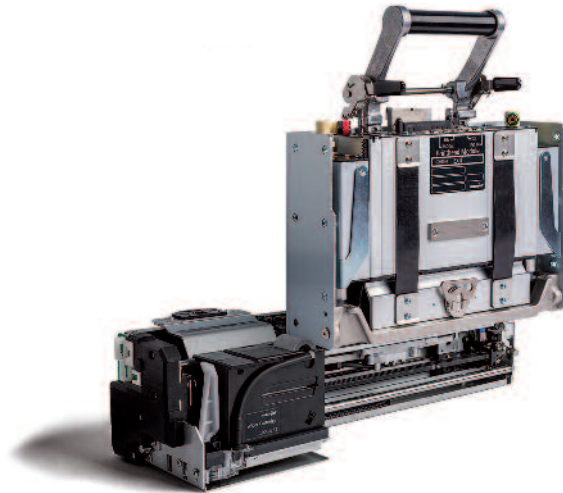
› www.mimakieurope.com

# PRINT ENGINES & PRINT HEADS



**FINALIST**

**HP Indigo | 12000HD**

**Memjet | DuraLink**

HP Indigo has undoubtedly achieved a great success with the new Print Engine. But The HD Imaging System is bound to the HP Indigo 12000HD and not available on the market alone. Memjet's business model, on the other hand, is to make its solutions widely available.

**THE WINNER**
**Memjet | DuraLink**

DuraLink is a new single-pass digital printing platform that features a long-life printhead, durable pigment inks, over 2.5 meters (over 100 inches) maximum print width and a range of versatile modules. The system includes printheads, inks, printhead support modules, ink delivery and management components, printhead maintenance components, custom support electronics, control and interface software. This modular technology enables fast and cost-efficient product development, industry-leading native resolution, and small drop sizes for offset- like print quality up to 1.600 x 1.585 dpi, with 5x nozzle redundancy, and print speeds of up to 203.6 m/min.

**Technical Committee's opinion:**

DuraLink, Memjet's second-generation technology, features a new long-life printhead, durable pigment inks, and a range of versatile modules—enabling fast and cost-efficient product development of commercial, packaging, and industrial printing solutions. OEMs - including MGI in AlphaJet - use this option.

› www.memjet.com

**WINNERS
OF THE
EDP AWARDS 2019**

FINALISTS AND WINNERS
# FINISHING & ENHANCEMENT

All submitted products (including those nominated by members of the EDP) have been extensively reviewed and evaluated by the **EDP TECHNICAL COMMITTEE,** the finalists have been nominated for an **EDP AWARD** and presented to the members for approval. The vote of the members decides which products receive one of the prestigious awards. Congratulations!

## ENTRIES
# FINISHING AND ENHANCEMENT

The following product descriptions are based on the short submission texts of the competitors in the EDP Awards. They are slightly revised for this publication and do not represent the opinion of the EDP Technical Committee.

### DIGITAL SHEETFED CUTTING SOLUTION

**iEcho | iEcho PK**
PK automatic intelligent cutting system adopts fully automatic vacuum chuck and automatic lifting and feeding platform. Equipped with various of tools, it can quickly and precisely make trough cutting, half cutting, creasing and marking. It is suitable for sample making and short run customized production for signs, printing and packaging industries. It is a cost effective smart equipment that meets creative processing. Scanning barcodes allows quick reading of cutting tasks.

**Zünd | Board handling system BHS 150**
Digital cutting at an industrial level - The unique combination of fully automated material handling and powerful digital cutting capabilities is key to producing at an industrial level. The Zünd BHS150 extends operating time while decreasing operating costs.

### DIGITAL WIDE FORMAT CUTTING SOLUTION

**Trotec | SP4000**
The SP4000 is a large format laser cutter dedicated for the high volume finishing of soft signage products. It consists of a 3.210 mm x 3.210 mm laser cutter with a conveyor belt, an accompanying material feeder and an optional unloading table. The laser cut process ensures sealed edges for all soft signage materials eliminating additional edge seaming for many applications. The contact free cut ensures a reliable finishing process even for delicate and elastic materials. The SP4000 features high laser power and flying optics for maximum productivity, an optimized exhaust solution for excellent cutting results and a save working environment, as well as fully automatic, highly reliable material flow.

### FINISHING SUPPORT TOOL

**Bobst | Digital Inspection Table DIT**
See »Inspection systems«.

### BOOK-ON-DEMAND POSTPRESS SOLUTION

**Tecnau | Roll 40 Splicer u40 and r40**
The Zero Speed Splicer Roll 40 solution automatically changes input rolls, thus eliminating printer stoppages for roll changes and keeping the printer running at full speed and full productivity. The Roll 40 permits mixing of paper quality, paper grade and web width between rolls, thus supporting real book on demand production.
Working mode A: splice on the r40 is done when the max roll diameter is reached on one of the two rewinders. The r40 sends a soft stop request to the printer, which will end the print job, then splice and switch to the second rewinder. Key benefits: increase printer uptime and maximize productivity.
Mode B: splice on the r40 is done on demand triggered by a barcode at the end of a specific job, even if there is still capacity on the first rewinder. This mode is used in order to process urgent jobs (no need to wait for a full roll) without compromising productivity or to separate jobs between two rolls to be finished on different lines. Key benefits: increase flexibility, prioritize urgent

# ENTRIES

jobs, separate jobs in different rolls according to the next production steps.

Mode C: splice on the u40 and r40 is done on demand triggered by the printer. The two unwinders are loaded with different media type and the printer can call the specific media automatically, loading the print parameters on the fly. This allows to gain the same benefits of Mode B plus the ability to change media on the fly. Key benefits: increase flexibility, prioritize urgent jobs, separate jobs in different rolls according to the next production steps, mixed media, book on demand.

## WIDE FORMAT FINISHING SOLUTION INLINE

### Zünd | Board handling system BHS 150

See »Digital sheetfed cutting solution«.

## CUTSHEET FINISHING SOLUTION INLINE

### Kodak | Inline bridge

The Inline Bridge for Kodak Nexfinity and Nexpress Digital Presses provides inline support for the Bourg Sheet Preparation Module (BPM) as well as the Bourg Booklet Maker and the Bourg Sheet Feeder. Enabling inline finishing into booklets or books, the Inline Bridge ensures an efficient and secure production of low labor cost and high image quality products. The bridge matches the speed between the digital press and the C.P Bourg finishing equipment without impairing the printing and finishing performance. It maximizes throughput and time between jobs ans minimizes potential for errors and waste.

## WEBFED FINISHING SOLUTION

### Tecnau | Stack 5250/5150

Cutting and stacking high-resolution print at speeds up to 590 fpm/180 mpm requires a stable web of paper with minimal touchpoints. The taut-web Stack 5250/Stack 5150 never lets go of the web, minimizing friction on the printed surface. Stack 5150 features the single-cutting Cutter c51 while Stacker 5250 features double-cutting Cutter c52 for full bleed applications. Stacker s50 module produces 1-up, 2-up, 2-up merged or 3-up stacks, featuring a patented gripper technology for reliable, damage-free handling of high value print. North/south job offsetting ensures high-speed operation even for consecutive small set/book-block jobs. Stack 5250/Stack 5150 features next generation controls for compatibility with the Internet of Things (IoT). Heavy ink coverages graphic arts applications Book-blocks or full bleed applications.

## ENHANCEMENT

No entries this year.

RESULTS
# FINISHING & ENHANCEMENT

| Category | Company | Product | Judging results |
|---|---|---|---|
| **Digital sheetfed cutting solutions** | | | **EDP Award 2019** |
| | iEcho | iEcho PK* | **Winner** |
| | Zünd | Board handling system BHS150 | Finalist |
| **Digital wide format cutting solution** | | | **No Award in 2019** |
| | Trotec | SP4000 | Finalist > Next year |
| **Finishing support tool** | | | **No Award in 2019** |
| | Bobst | Digital inspection Table DIT | Nominee |
| **Book-on-demand postpress solution** | | | **EDP Award 2019** |
| | Tecnau | Roll 40 Splicer u40 & r40 | **Winner** |
| **Wide Format Finishing Inline** | | | **No Award in 2019** |
| | Zünd | Board handling system BHS150 | Finalist |
| **Cutsheet Finishing Inline** | | | **No Award in 2019** |
| | Kodak | Inline-Bridge | Finalist |
| **Webfed Finishing Solution** | | | **No Award in 2019** |
| | Tecnau | Stack 5250/5150 | Finalist |

**\*** EDP member submission.

(•) New or changed category.

Nominee: This product was nominated for an Award but recommended for an other category by the jury.

Finalist: This product was short-listed and one choice for an Award.

No Award in 2019: The jury did not suggest an award for this category this year.

Next year: This product is recommended for the next year's competition.

# DIGITAL SHEEDFED CUTTING SYSTEM



**FINALIST**

**iEcho | iEcho PK**

**Zünd | Board Handling System BHS150**



Multifunctional systems continue to be in vogue. No wonder, then, when other interesting solutions come from Asia that are already gaining a certain popularity in Eastern Europe and are slowly gaining a foothold in Central Europe.

## THE WINNER
**iEcho | iEcho PK**

PK automatic intelligent cutting system adopts fully automatic vacuum chuck and automatic lifting and feeding platform. Equipped with various of tools, it can quickly and precisely make trough cutting, half cutting, creasing and marking. It is suitable for sample making and short run customized production for signs, printing and packaging industries. It is a cost effective smart equipment that meets creative processing. Scanning barcodes allows quick reading of cutting tasks.

**Technical Committee's opinion:**

This solution is more industrial and productive than desktop cutting solutions with the same format and automated feeding. iEcho also features vacuum belt conveyors, automated positioning system with CCD camera and various tools for cutting and creasing. It is ideal for small productions of packaging, labels and POS materials. The format (600 x 400 mm) is well suited for most sheet digital printers. And it is much cheaper than existing solutions for larger formats with automatic feeding.

› www.iechosoft.com

# BOOK-ON-DEMAND POSTPRESS SOLUTION



**FINALIST**

**Tecnau | Roll 40 Splicer u40 and r40**



The discussion about the question whether inline finishing makes more sense than nearline or offline does not break down. There are solutions that simply convince because of their logic. Tecnau offers such solutions.

**THE WINNER**
**Tecnau | Roll 40 Splicer u40 and r40**

The Zero Speed Splicer Roll 40 solution automatically changes input rolls, thus eliminating printer stoppages for roll changes and keeping the printer running at full speed and full productivity. The Roll 40 permits mixing of paper quality, paper grade and web width between rolls, thus supporting real

book on demand production.

Printer stoppages due to roll changeover can last up to fifteen minutes. With today's fast printers running through a roll as quickly as one hour, percentage downtime due to roll changes can approach 25%. With the Zero Speed Splicer u40, this percentage drops to zero. Significantly, the Splicer u40 also virtually eliminates the lengthy paper waste associated with printer stoppages due to roll depletion.

**Technical Committee's opinion:**

Zero Speed Splicer u40 offers a high degree of flexibilityn, accommodating a broad variation in paper weights in successive rolls, and variation in successive roll widths. The web may be justified to the left, right or center, allowing the Splicer u40 to work with varying digital production printers.

› www.tecnau.com

**WINNERS
OF THE
EDP AWARDS 2019**

FINALISTS AND WINNERS
# CONSUMABLES

All submitted products (including those nominated by members of the EDP) have been extensively reviewed and evaluated by the **EDP TECHNICAL COMMITTEE,** the finalists have been nominated for an **EDP AWARD** and presented to the members for approval. The vote of the members decides which products receive one of the prestigious awards. Congratulations!

## ENTRIES
# CONSUMABLES
## INKS, TONERS, SUBSTRATES

The following product descriptions are based on the short submission texts of the competitors in the EDP Awards. They are slightly revised for this publication and do not represent the opinion of the EDP Technical Committee.

**INKS AND TONERS**

**Ricoh | Extended gamut ink**
The Ricoh Pro VC70000 continuous feed printer has been developed with a new ink technology. Applied with Ricoh's piezo drop on demand print heads, the new ink enables to print directly on a variety of offset papers without the need for pre-or post-treatment. The ink technology can also be run on the Ricoh Pro VC60000.

**UV INK**

**Mimaki | MUH-100 Metallic UV Ink**
The Mimaki MUH-100 is the first of metallic UV inkjet ink for UV flatbed printers. Compatible with Mimakis UJF-7151plus UV flatbed printer, the new ink enables to create stunning metallic effects that can elevate and provide added-value to their products.

**SPECIAL EFFECT INK/TONER**

**HP Indigo | ElectroInk Invisible Yellow and Blue**
Two new Inks invisible to the naked eye which reveal themselves under the UV light. Combined with variable data printing enable covered serialization, hidden QR codes and many other covered applications, brand protection applications, process control features, special effects and more.

**HP Indigo | ElectroInk Silver**
Mid-brilliance silver ElectroInk which enable to print a full metallic color gamut by overprinting with different colors, in one single pass printing process. Enables digital flexibility and replace the usage of metallic substrates. Any commercial application (posters, albums, greeting cards, magazines...) which requires metallic effects.

**Kodak | Metallic Clear Dry Ink**
The latest addition to the specialty ink portfolio designed for use in Kodak Nexpress and Nexfinity Digital Presses. This versatile ink is a transparent material that can be combined with CMYK inks to achieve metallic effects such as silver, bronze, copper and more. Metallic Clear Dry Ink can also be used to simulate pearlized stocks. Capable of being used in multiple ways within the same printed piece, Metallic Clear Dry Ink enables highly differentiated applications.

**Kodak | Custom Color**
In addition to the wide range of standard fifth imaging inks available, Kodak now offers a service that provides custom colors in small batch quantities. These new inks provide matching to specific brand colors as well as specialty application. In addition, unlike competitive offerings that must be used in a short time period before they expire, the Kodak Custom Inks can be safely stored and used over years of time, allowing customers to economically offer these inks to clients. Like the standard fifth station inks, adding the custom inks can be done at full press speed.

**RIGID SUBSTRATES**

**Barberán | Jetmaster series**
Several rigid substrates are offered for the digital printing process.

**SPECIAL APPLICATION AND EFFECT SUBSTRATE**

**Barberán | Jetmaster series**
Several rigid substrates are offered for the digital printing process.

# CONSUMABLES
## INKS, TONERS, SUBSTRATES

| Category | Company | Product | Judging results |
|---|---|---|---|
| **Waterbased Ink** | | | **No Award in 2019** |
| | Ricoh | Extended gamut ink | Finalist |
| **UV inks** | | | **No Award in 2019** |
| | Mimaki | MUH-100 Metallic UV Ink | Finalist |
| | HP Indigo | ElectroInk Invisible Yellow and Blue | Nominee |
| **Special effect ink/toner** | | | **EDP Award 2019** |
| | HP Indigo | ElectroInk Silver for Commercial | Finalist |
| | Kodak | Custom Color | **Winner** |
| | Kodak | Metallic Clear Dry Ink | Nominee |
| **Rigid substrates** | | | **No Award in 2019** |
| | Barberán | Jetmaster series | Finalist |
| **Special application and effect substrates** | | | **No Award in 2019** |
| | Barberán | Jetmaster series | Finalist |

**\*** EDP member submission.

(•) New or changed category.

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Finalist: This product was short-listed and one choice for an Award.

No Award in 2019: The jury did not suggest an award for this category this year.

Next year: This product is recommended for the next year's competition.

# SPECIAL EFFEKT INKS & TONERS



## FINALISTS

**HP Indigo | ElectroInk
Invisible Yellow and
Blue**

**HP Indigo | ElectroInk
Silver**

**Kodak | Metallic Clear
Dry Ink**

**Kodak | Custom Color**

The trend towards more enhancement is also noticeable in the inks and toners segment. Rarely before have there been so many different offers of special effects. But house colours are also still en vogue.

**THE WINNER**
**Kodak | Custom Color**

In addition to the wide range of standard fifth imaging inks available, Kodak now offers a service that provides custom colors in small batch quantities. These new inks provide matching to specific brand colors as well as specialty application. In addition, unlike competitive offerings that must be used in a short time period before they expire, the Kodak Custom Inks can be safely stored and used over years of time, allowing customers to economically offer these inks to clients. Like the standard fifth station inks, adding the custom inks can be done at full press speed.

**Technical Committee's opinion:**

It is obvious that Kodak should also use the fifth station of its digital presses for customer-specific spot colors. What is much more interesting is that spot colors, which have long been offered in other processes, are now also available for toner processes - even though Kodak calls its toners inks.

› www.kodak.com

# EDP AWARDS 2019
# **CONGRATULATIONS**
## AND THANK YOU

| Austria | BeNeLux | Czech/Slovakia |
| --- | --- | --- |

| Denmark | Finland | France |
| --- | --- | --- |

| Germany | Germany | Greece |
| --- | --- | --- |

| Hungary/Romania | Italy | Kazakhstan |
| --- | --- | --- |

| Norway | Poland | Russia |
| --- | --- | --- |

| Spain | Sweden | Switzerland/Liechtenstein |
| --- | --- | --- |

| Turkey | UK/Ireland | Ukraine |
| --- | --- | --- |
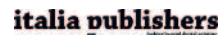
The EDP Association's members congratulate all EDP Award winners, finalists and nominees and thank all participants and submitters for their cooperation.

# CALL FOR SUBMISSIONS

The competition for the
EDP Awards 2020
will start in a few weeks.

Keep it in mind!

EDP AWARDS 2020

WWW.EDP-AWARD.COM