

EDP REPORT

Technical Report
based on EDP Awards
entries

2016/2017



EDP AWARDS 2017



Austria



BeNeLux



Czech/Slovakia



Denmark



Finland



France



Germany



Germany



Greece



Hungary/Romania



Italy



Norway



Poland



Russia



Spain



Sweden



Switzerland/Liechtenstein



Turkey



UK/Ireland



Ukraine



EDP AWARDS UPDATED STARTED WITH NEW IDEAS

The European Digital Press Association (EDP) and the EDP Awards celebrated their ten year jubilee last year. During that period the EDP Awards have become the “most prestigious and valuable Technical Award for the digital production business in Europe”, as one participant said.

However, the EDP Association also recognises that the Awards can only be organised because manufacturers are willing to submit their products and give us insights for judging. It is a give and take process. I thank the industry for making the EDP Awards possible.

Every year experts representing Europe's 20 leading trade magazines on digital production get together to evaluate and judge the latest technological developments – products such as hard and software, printing devices, postpress solutions and consumables. The best products in each category will be honoured with an EDP Award.

Since 2007 the EDP members have evaluated and honoured the best developments. Over the years more than 230 trophies were awarded to the best technologies and developments.

But ten years after the EDP Association beginning we decided to change gear: with a new corporate design and some new ideas to make the EDP Awards more attractive.

There were a lot of new ideas, but not all ideas are doable or they need a certain time to mature. Nevertheless, some ideas have become reality.

We have a new logotype for the EDP Association, we designed a new web site and we developed our own logo for the EDP Awards. New trophies were designed and produced with digital technologies. They are printed digitally on a large format printer and engraved by a laser system.

The 2017 Technical Report has a new design where all the participants and their products are documented and the Award winners are presented. This report has another format, more pages and more detailed information.

As you can see, we have changed a lot of things. But we kept the most important: the EDP Awards are a unique technology contest in Europe. It remains the core activity of EDP.

One of the goals of the EDP Association is to assist the users to find the right solution using latest technology.

This is because not every high tech product meets the requirements in a demanding production environment. Accolades given to products not only infuse confidence and credibility, but signify highest quality to professional users. Only the very best and innovative products are taken into consideration.

The EDP magazines support more than half a million readers in 27 European countries in their purchasing decisions. The magazines promote the 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.

This year there are 31 trophies to be awarded. I believe we made the right decisions. We thank all participants and congratulate the winners.

Klaus-Peter Nicolay,
President EDP Association

TECHNICAL REPORT AND CONCLUSION

DOING THINGS DIFFERENTLY

Innovation can be translated as: Doing things differently or in a new way in an existing market or delivering a product that opens a new market, there is no fixed definition. Innovations means change – all the time.

Even with this knowledge, it is still the biggest challenge when judging the products submitted by the industry to the EDP Awards. The categories and the criteria by which a product can win an Award have to develop year to year to follow the current market developments.

This is also true for this year's Awards. When we started the campaign for collecting submissions we introduced several new categories. When we as the EDP Technical Committee started to judge the entries we had already decided to change some category names or transfer submitted products to another better fitting category. It is the reflection of how fast the industry and the applications are changing. Sometimes we also had to make difficult decisions like pulling products out of this year's contest because the products were not completed on time. Or it was no possible for a jury member to see the product in working capacity.

There was also a new phenomenon we had to deal with: some companies seemed to be shy in submitting their products. Other seemed to think, they could not win an Award and did not enter. Apparently there are also marketing departments that had absolutely no time to fill in the few lines to enter in time – although they told us they would! In any case, it's a missed opportunity, not only to not win an Award, but also to draw the attention of the worldwide trade press to new products. The EDP Awards are not only reported in the EDP member magazines.

As I said before – innovation is not a fixed concept by nature. That is also true when it comes to winning our awards. A product that could have won an award if it was introduced two years ago and changed the market, now has to fight against the competition. If it's submitted too late, the competition already has developed similar products with the same nature. Thus it's difficult to win an award.

On the other hand it is possible to change an exciting concept with new features in a way that its recognizable as unique without starting the product development all over

again to come up with a brand new product. We dealt with all of these things before we made our recommendations to the EDP general assembly where the list of the award winners was finally completed.

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

Herman Hartman
Chairman Technical Committee
EDP Association

NO AWARD IN THIS CATEGORY WHY NOT?

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

For this year's contest the categories were extended again. We added more categories especially in the segments of commercial print and finishing to adjust the contest to the new technologies we saw in the past few months. Now the comprehensive choice of categories should cover nearly all solutions in digital printing.

But the EDP Award is still dedicated to digital (printing) technologies. Therefore, submitted products must allow the integration of a digital workflow. Some categories (especially finishing, enhancement and consumables) don't sound really digital, but under the condition that products can be integrated into a (digital) workflow or a completely networked production process makes them part of the digital chain.

During the judging period the EDP Association reserve the right to add, change, cancel or combine categories. For example the "robotics" category is a new one and covers the automation efforts in the industry. The variety of different workflow management tools as for example editors, preflight solutions or RIPs were summarised into the category "workflow technology".

As the EDP Awards recognise innovation, judging takes into considerations the way a product works, how it introduces new techniques or materials, whether it enables printing onto other substrates etc. Also evaluated is a product's price/performance capability, and whether it can bring down the cost of production for instance.

Last year at Drupa a lot of new products were introduced and we noticed that several products made their debut at the show. Some of these we judged in this year's awards – depending on whether there was enough information available for the jury to make a decision. If there was not enough supporting material available we could not take it into consideration. So we encourage vendors to submit the products again next year.

But, despite looking at various measures of innovation, in some cases the Technical Committee decided there was not enough development within a category to present an award.

EDP Technical Committee

Chairman:

Herman Hartman
(Editor in Chief, signPro Benelux)

Members:

Rob Haak
(Consultant, President, SPIKIX)

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

Igor Terentyev
(Editor in Chief, Publish, Russia)

ENTRIES

HARD/SOFTWARE

The following descriptions are based on the statements of the EDP Awards competitors and are slightly edited for this publication. The descriptions are not an assessment and are not the opinion of the EDP Technical Committee.

ROBOTICS

Esko

Kongsberg Automate

Continuous operating digital finishing table thanks to robotic loading and unloading used in sync with multi-zones of the table. It uses an unique gripper plate for application versatility.

MGI Digital Technology

Artificial Intelligent SmartScanner (AIS)

The AIS is a new registration development for the printing and finishing industry. Using print image and inkjet synchronization algorithms, the AIS system runs at more than 5.000 Billion of operations per second. Without operator intervention or a decrease in feeding speed, it makes connections and adjustments for any defects generated by the original offset or digital printing run and any lamination process. AIS system handles variable date and is compatible with cutsheet or webfed systems.

swissQprint

Rob

This solution from swissQprint allows unattended printing. The robot loads and unloads media onto swissQprint flatbed printers. Both can work extra shifts or unburden personnel from routine tasks. Practically any sufficiently rigid material with a non-porous surface can be handled.

for packaging and displays made from folding carton, corrugated cardboard, sandwich material and expanded Pvc. The ZDC 3.0 offers new features: Dynamic preview, new template generates an .ai file with all necessary layer for designs. New export functionality: folding process video, direct connection to hotfolder, single and multi-part designs, 3D object import .obj, .stl.

LAYOUT, DESIGN AND EDITING SOFTWARE

Esko

ArtiosCAD

ArtiosCAD is a structural design software and a solution for packaging design and production of POS / POP displays. With dedicated tools specifically designed for packaging professionals, product development, virtual prototyping and manufacturing, ArtiosCAD increases productivity. ArtiosCAD is the ideal product for all corrugated, folding carton and POP, POS, FSDU display designers.

Zünd Systemtechnik

Zünd Design Center 3.0

ZDC 3.0 is an Adobe Illustrator Plugin for creating 3-dimensional designs

WORKFLOW TECHNOLOGY

Caldera

Caldera RIP – Version 11

Built for speed, reliability and flexibility, the Caldera RIP Version 11 represents the cutting edge of wide-format production software, supporting all popular print manufacturers. Incorporating key features such as automatic nesting (both true shape and regular), advanced tiling, ICC color support and task automation, Caldera V11 is a tool to streamline production across multiple devices, while simultaneously achieving consistent color output and saving ink and media.

Caldera

StreamLive

Caldera StreamLive is a cloud-based SaaS application that allows to create a production process, track jobs in real time and automate time-consuming tasks. The entry-level product includes a range of features. StreamLive allows to create customer job sheets, submit files to software workflow, connect with Caldera RIP and automate e-mail reporting. The functionality of the scalable software suite can be extended with a wide range of options – allowing to tailor it to specific needs while controlling costs. The options include a calendar-based planning module, custom document generation, preflight and connections to a range of software packages.

Esko

ArtPro+

ArtPro+ is the next generation PDF editor for packaging prepress. It is the natural successor of the standard packaging industry editors ArtPro and Pack Edge.

Esko

Automated Quality

Assurance

Automated Quality Assurance by integrating Global Vision checks in the automated prepress workflow takes out spelling, barcode, braille and other mistakes automatically.

COLOR MANAGEMENT

ColorLogic

ZePrA 5

ZePrA is a hot folder-based color server for optimizing TIFF, JPEG, PSD, PSB image files and PDF data with DeviceLink and ICC device profiles. ZePrA's primary application is optimization or color conversion of CMYK printing data, installation in media-neutral workflows with RGB data and multicolor processing. The quality of optimization or color conversion of CMYK, RGB, Grayscale and Multicolor printing data is achieved through DeviceLink profiles, as well as intelligent PDF processing. You may also use ZePrA's SmartLink for on-the-fly calculation of DeviceLink profiles for high quality color conversion to a variety of printing processes.

GMG

GMG OpenColor

Specifically designed to meet the needs of the packaging industry, GMG OpenColor makes sure CMYK and spot colors fit exactly. GMG's OpenColor enables accurate proof simulation of the overprinting effects of spot colors using special multichannel profiles. The spectral data calculation includes printing technologies, media types and printing order. Profile iterations are no longer necessary.

WEB TO PRINT

CloudLab

printQ

printQ is a printshop solution for Magento which allows full automation until production. Main criteria are: ease of use, complete automation, including modern and stylish frontends. Whether B2B or B2C, printQ can add new stores in a few moments and it is already provided with the desired branding. Even creating products goes on quickly. printQ uses the newest Web-Technologies in order to allow their customers an optimal usability.

According to the settings, all incoming orders will be sent automatically in production based on the business workflow.

SPECIAL APPLICATION SOFTWARE

Agfa Graphics

PrintSphere

The cloud based data storage and exchange solution can be used as a stand-alone file sharing service but its real strength is the integration in Agfa solutions, like the Apogee or Asanti workflow systems and StoreFront web-to-print service. Users can submit job data to an onsite workflow using the cloud or they can access resulting files using a smartphone or tablet.

Esko

Device Manager

Any activity on output devices is automatically registered. The Esko Device Manager has a bi-directional link with devices such as Esko's CDI imager and Kongsberg cutting table.

The Device Manager moves operational control upstream to the prepress department. Flexo platemaking and digital finishing operations are integrated with the prepress workflow. Operators use the tool to monitor job statuses and to manage or prioritize the queues of all connected devices. The Device Manager allows companies to use their hardware at maximum capacity by smart estimation functionality and the possibility to balance loads between devices.

OneVision Software

DigiLabel

2 in 1 solution for label production – DigiLabel simplifies label production for digital label printing: DigiLabel optimises not just prepress but the whole process from order receipt through artwork preparation for printing, production planning, automated job transmission, to printing and stamping presses.

Ricoh Europe

Ricoh Digital Book Printing Solution

Ricoh's solution streamlines short run and on demand book production. Ricoh's digital book printing solution was developed to simplify and automate many of the steps in short

run digital production. A single web-based interface allows users to develop pre-defined rules for sorting jobs, helping to automate many of the manual steps and then batch similar jobs together for simpler printing and finishing. This helps to increase job production, resulting in improved revenues. It offers simple connectivity to printers' existing electronic order, MIS and production systems. The integration of preflight and imposition, along with the easy addition of barcodes and custom marks to track jobs and drive finishing, maximises automation and reduces manual touch points. There are intuitive dashboard views of location and job status, with customisable notifications and automatic job batching to minimise turn time and waste. There is also support for Ricoh sheetfed and continuous feed devices, as well as other vendors' print and finishing equipment.

RESULTS

HARD/SOFTWARE

Category	Product in alphabetical order		Judging result
Robotics	Esko	Kongsberg Automate	Nominee
	MGI	Artificial Intelligence SmartScanner	Nominee
	swissQprint	Rob	Winner
Layout, design, editing software	Esko	Artios CAD	Winner
	Zünd	Design Center ZDC 3.0	Nominee
Workflow Technology	Caldera	RIP Version 11	Nominee
	Caldera	Stream Live	Nominee
	Esko	ArtPro+	Nominee
	Esko	Automated Quality Assurance	Winner
Color Management	ColorLogic	ZePrA 5	Nominee
	GMG	Open Color	Winner
Web to print solution	CloudLab	printQ	Next year
Special application software	Agfa Graphics	PrintSphere	Nominee
	Esko	Device Manager	Nominee
	OneVision	DigiLabel	Nominee
	Ricoh	Digital book printing solution	Winner

Nominee: This product was nominated for an Award.

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

NOMINEES AND WINNERS **HARD/SOFTWARE**

Out of the entries the **EDP TECHNICAL COMMITTEE** has **NOMINATED** products for an EDP Award. At the EDP General Assembly end of March 2017 the EDP members made the final decision which product is being honoured with an **EDP AWARD**. Congratulations!



BEST SOLUTIONS IN ROBOTICS



NOMINATED

Esko

Kongsberg Automate

A continuous operating digital finishing table thanks to robotic loading and unloading used in sync with multi-zones of the table. An unique grip-per plate offers application versatility.

MGI

Artificial Intelligent SmartScanner (AIS)

The AIS system is a registration development for printing and finishing. Without operator intervention or a decrease in feeding speed, it makes adjustments for any defects generated by the original printing run and lamination process. AIS handles variable date and is compatible with cut-sheet or webfed systems.

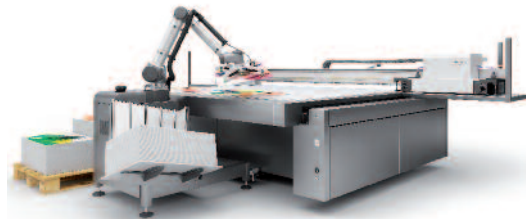
swissQprint

Rob

THE WINNER

swissQprint Rob

This new solution from swissQprint allows unattended printing. The robot and large format printers can work extra shifts or unburden personnel from routine tasks. Rob loads and unloads media onto swissQprint flatbed printers. Practically any sufficiently rigid material with a non-porous surface can be handled. Within ten minutes Rob is docked to the printer and ready to go. The job has to set up and then the operation can get started. The output software communicates with the trainable Rob and the printer. The operator can easily switch to other tasks in the meantime, or even go home for the evening. After suitable preparation Rob and a swissQprint printer can handle an extra shift by themselves. Rob is ready for action 24 hours a day, seven days a week. The robot takes



care of routine work with consistent precision and high efficiency. Rob gets higher utilisation out of every swissQprint machine. Customers benefit from shorter delivery times, while providers earn higher returns.

Technical Committee's opinion:

Robots are not really new in the graphic arts industry. But the swissQprint Rob brings this technology for the first time close to large format printers and automates the process. Moreover it is an integrated process: the printer output software also controls the robot.

BEST LAYOUT AND DESIGN SOFTWARE



NOMINATED

Zünd

Zünd Design Center 3.0

An Adobe Illustrator Plug-In for creating three-dimensional designs for packaging and displays made from folding carton, corrugated cardboard, sandwich material and expanded Pvc. The ZDC 3.0 offers new features: Dynamic preview, new template generates an .ai file with all necessary layer for own and new designs. New export functionality: folding process video, direct connection to ZCC hotfolder, single and multi-part designs, 3D object import .obj, .stl.

Esko

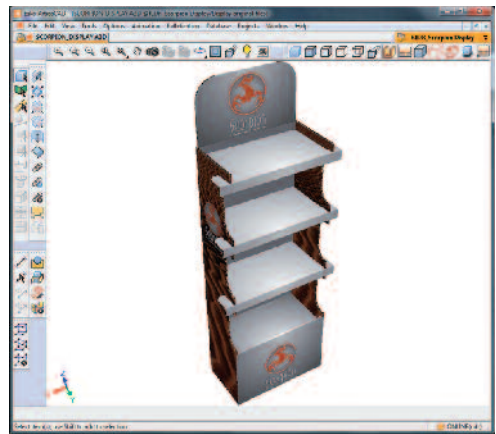
Esko ArtiosCAD

THE WINNER

Esko ArtiosCAD

ArtiosCAD is a structural design software and a solution for packaging design and production of POS / POP displays. With dedicated tools specifically designed for packaging professionals, product development, virtual prototyping and manufacturing, ArtiosCAD increases productivity. Many of the design tools work automatically and makes designers extremely productive. An automatic drafting tool, for example, automatically snaps to horizontal or vertical alignments, mid-points. It reduces the need for construction lines and allows to work much faster.

ArtiosCAD is an ideal product for all corrugated, folding carton and POP, POS, FSDU display designers. Powerful 3D design tools enable quick folding of the final folded design for even complex designs with curved creases.



Technical Committee's opinion:

The most complete tool on the market for packaging. But it is not only dedicated for packaging work – it can even be used as an universal tool for different applications.

BEST WORKFLOW TECHNOLOGY



NOMINATED

Caldera

RIP Version 11

Built for speed, reliability and flexibility, the RIP represents the cutting edge of wide-format production software, supporting all popular large-format print manufacturers.

Caldera

StreamLive

A SaaS application that allows to create an ideal production process, track jobs in real time and automate time-consuming tasks.

Esko

ArtPro+

A PDF editor for packaging prepress. It is the natural successor of the standard packaging industry editors ArtPro and Pack Edge.

Esko

Automated Quality Assurance

THE WINNER

Esko Automated Quality Assurance

GlobalVision and Esko have worked together to develop the fully automated quality control tools built-in to Esko Automated Engine. With fast and efficient inspections the production process can be streamlined.

Automation Engine serves as the heart of any size prepress production operation. It enables unparallel workflow automation with solid quality control. Automation Engine comes with extensive business system integration capabilities and is highly scalable. Through Mac or PC based clients, prepress operators or administration departments can easily interact with the workflow, and with its extensive conditional automation capabilities through a transparent user interface.

Automated Quality Assurance by integrating Glo-



bal Vision checks in the automated prepress workflow takes out spelling, barcode, braille and other mistakes automatically. Automation Engine is a modular solution. It comes as a feature-rich system, but it can be scaled with extra optional modules.

Technical Committee's opinion:

It's the only flightcheck package that controls all aspects of the design including text failures barcode or braille on the same time. This set of tools is perfect for brand owners and printers.

BEST COLOR MANAGEMENT SOLUTION



NOMINATED

ColorLogic

ZePrA 5

ColorLogic ZePrA 5 is a hot folder-based color server for optimizing TIFF, JPEG, PSD, PSB image files and PDF data with Device-Link and ICC device profiles. ZePrA's primary application is optimization or color conversion of CMYK printing data, installation in media-neutral workflows with RGB data and Multicolor processing.

GMG

OpenColor

THE WINNER

GMG OpenColor

Specifically designed to meet the needs of the packaging industry, GMG OpenColor makes sure CMYK and spot colors print exactly the way you want them. GMG's patented OpenColor technology is unique. It enables accurate proof simulation of the overprinting effects of spot colors using special multichannel profiles. The spectral data calculation includes printing technologies, media types and printing order and its results are so reliable that profile iterations are no longer necessary. OpenColor cannot only create precise proof profiles, but also leverage centrally stored data for calculating quality separation profiles. For example, to adapt FOGRA39 data to specific printing condition and substrate.



Technical Committee's opinion:

This product gives printers the freedom to mix their own color sets and make color separations for that using the maximum color-space. It also works for digital print and LFP. And allows accurate colors in proof and print.

The separation profiles created in OpenColor can be applied in GMG ColorServer, a color conversion solution. Neutral gray areas, harmonious gradients, and in fact all of the benefits of the MX DeviceLink technology can be exploited for any printing process, color combination, and substrate. GMG ColorPlugin for Adobe Photoshop, provides another means of leveraging GMG OpenColor separation profiles, e.g. by replacing CMYK channels with spot color channels via a direct connection to GMG OpenColor.

BEST SPECIAL APPLICATION SOFTWARE



NOMINATED

Agfa Graphics PrintSphere

A cloud based data storage and exchange solution to be used as a stand-alone file sharing service or as an integrated Agfa solution.

Esko

Device Manager

Managing job status and job queues for digital finishing as well as production time estimation. Device Manager take control of sign and display production.

OneVision

DigiLabel

A 2 in 1 solution for digital label production. It optimises prepress and the whole process from order receipt to printing and stamping presses.

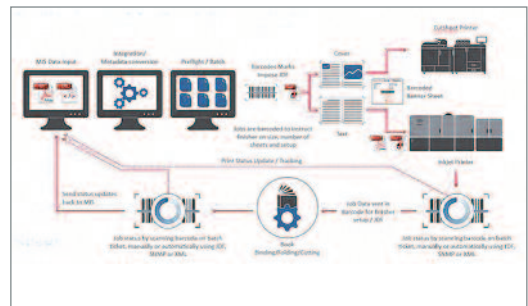
Ricoh

Digital Book Printing Solution

THE WINNER

Ricoh Digital Book Printing Solution

This solution streamlines short run and on demand book production. Ricoh's digital book printing solution was developed to simplify and automate many of the steps in short run digital production. A single web-based interface allows users to develop pre-defined rules for sorting jobs, helping to automate many of the manual steps and then batch similar jobs together for simpler printing and finishing. This helps to increase job production, resulting in improved revenues. It offers simple connectivity to printers' existing electronic order, MIS and production systems. The integration of preflight and imposition, along with the easy addition of barcodes and custom marks to track jobs and drive finishing, maximises automation and reduces manual touch points. There are intuitive



dashboard views of location and job status, with customisable notifications and automatic job batching to minimise turn time and waste. There is also support for Ricoh sheetfed and continuous feed devices, as well as other vendors' print and finishing equipment.

Technical Committee's opinion:

This solution is simplifying the book printing workflow that organizes incoming orders from multiple sources and works together with printing and finishing systems from multiple vendors.

Really clever and looking on all the equipment that is involved in the printing, finishing and delivery process.

ENTRIES

PRINTING SYSTEMS

LARGE/WIDE FORMAT PRINTING

The following descriptions are based on the statements of the EDP Awards competitors and are slightly edited for this publication. The descriptions are not an assessment and are not the opinion of the EDP Technical Committee.

ROLL-TO-ROLL PRINTER UP TO 170 CM

Canon Europe

Océ Colorado 1640

The first 64" roll-to-roll printer built on the new Canon UVgel technology. UVgel technology delivers productivity, matched with excellent output quality on a broad range of media. The Océ Colorado 1640 is faster than other printer in this segment and delivers high image quality as well as repeatability print after print. It is designed for low total cost of operation to accelerate return on investment.

HP Inc.

HP Latex 570 Printer

Designed for medium-to-large print service providers with increasing print volumes, the new 64-inch HP Latex 560 and 570 Printers enable customers to manage a variety of print jobs and peaks in production at a low upfront investment.

ROLL-TO-ROLL PRINTER UP TO 320 CM

Agfa Graphics

Jeti Ceres RTR3200 LED

Equipped with 6 UV LED-cured colors plus white and primer as options, the Jeti Ceres tackles tough jobs, providing high image quality on a wide variety of flexible substrates suitable for indoor and outdoor use. The advantages of UV LED lamps and Agfa Graphics' inks are numerous, offering significant time, ink and energy cost savings.

HP Inc.

HP Latex 1500 Printer

The 126-inch (3.2-meter) HP Latex 1500 Printer offers a robust, affordable wide printing solution, providing fast turnarounds on a broad range of indoor and outdoor applications, including PVC banners, self-adhesive vinyl, textiles and double-sided prints.

FLATBED/HYBRIDE PRINTER UP TO 20 SQM/H

Mimaki Europe

Mimaki JFX200-2531

The UV-LED flatbed JFX200-2531 builds on the success of the entry

level JFX200-2513 model with twice the printing area and a unique "toggle print" function that increases throughput by allowing operators to mount one board while another is printing.

Mutoh Belgium

ValueJet 1638UH dual head LED UV

Featuring a dual staggered head setup for increased speed and two LED UV lamps for reduced cure time, the ValueJet 1638UH 64" (165 cm) wide hybrid LED UV printer will print on a wide variety of rigid and flexible materials, including heat-sensitive substrates. Offering print resolutions up to 1440 x 1440 dpi, the printer utilizes Mutoh's unique VOC-free LED UV C, M, Y, K, white and varnish inks to produce high quality graphics for short viewing distances. A luxurious or specialty finish of prints is possible thanks to custom varnish and embossing possibilities. Application possibilities encompass high quality graphics for short viewing distances, such as packaging designs, customised interior deco, trade show graphics, etc.

FLATBED/HYBRIDE PRINTER UP TO 250 SQM/H

Agfa Graphics

Anapurna H3200i LED

The wide-format Anapurna H3200i LED is a perfect fit for sign shops, digital printers, photo labs and mid-size graphic screen printers that want to combine board and roll-to-roll print jobs. The 6-color engine prints at a width up to 3.2 m and combines high quality with high productivity for outdoor and indoor, rigid and flexible wide-format jobs. It is equipped with UV LED lamps, enabling a wider media mix and to save energy and costs. The white ink function creates possibilities for printing on transparent material for backlit applications or for printing white as a spot color. With the automatic board feeder, productivity is increased even more.

Agfa Graphics

Jeti Mira LED

The Jeti Mira is a ruggedly built flatbed printer with a roll-to-roll option and available with a table depth of either 1.6 m or 3.2 m and a table width of 2.69 m. Thanks to its precise moving-gantry architecture, the

engine offers flexibility and high-quality printing, both for rigid and flexible substrates. With two rows of fast-firing Ricoh MH5420 (Gen5) inkjet print heads, the printer offers outstanding productivity. Jeti Mira is a printer with UV LED curing to offer high print quality with a wide variety of media. 6 color + white printing process up to to 231 m²/hr, dockable roll-to-roll extension and option for primer or for 3D Lens technology printing with varnish.

swissQprint

4x4 version of Nyala 2

Equipped with quadruple CMYK, the Nyala 2 large format printer delivers an optimum of printing speed and density. The UV printer operates in quality or fine art mode, meaning 900 x 720 or 1080 x 720 dpi resolution – but faster than might be expected for that standard of quality. Print results have a strong look, with convincing fine detail. 4x4 is available based on the Impala 2 and Nyala 2 with a 2.5x 2 or 3.2 x 2 metre flatbed. Both models are individually extensible: with the robust roll to roll option for flexible media, the clever board option for media up to four metres long, and with Rob, the reliable robot for unmanned printing of longer runs.

PRINT & CUT SOLUTION

Roland DG

TrueVIS SG-Series

For print service providers just starting out in wide format print production, or for those wanting to expand production, the TrueVIS SG series printer/cutters offer all the quality and versatility of Roland DG, at an unbeatable price. The SG is the latest addition to Roland's TrueVIS series, which brings in a new era of integrated printing and contour cutting.

OBJECT PRINTER

Mimaki Europe

Mimaki UJF-MKII Series

Built on the success of Mimaki's game-changing UJF Series, the UJF MkII Series adds 20% increase in productivity, as well as many new features to increase its versatility, including the Long Drop Mode to print on uneven surfaces, the new optional Kebab units to print on round surfaces in different sizes, and multiple ink options to fit various applications.

Roland DG

VersaUV LEF-200

The VersaUV LEF-200 fits into any studio, workshop or retail environment, and offers a versatile solution for printing directly onto virtually any item, with incredible detail and stunning colour. It now includes printable primer option. Print text, photos, logos or other designs directly onto a huge variety of objects, including smartphone cases, gifts, gadgets, stationery, golf balls, promotional items, industrial components and electronic devices.

TEXTILE PRINTER ROLL-TO-ROLL < 100 SQM/H

Mimaki Europe

Mimaki Tx300P-1800B

With its winning combination of quality, high speed and innovative automated belt-fed conveyance system, the Mimaki Tx300P-1800B has been developed to print direct to a broad range of natural and man-made fabrics. Particularly effective for printing on modern stretchable materials, the Tx300P-1800B is ideally suited to the production of fashion, clothing and soft furnishings.

Mutoh Belgium

ValueJet 1938TX 75

The VJ-1938TX is a 75" (1910 mm) wide dual staggered head printer specifically targeted at sampling of short run on-demand digital production of home textiles, upholstery, interior deco fabrics, fast fashion, swimwear, flags, etc. Utilising pigmented textile inks or direct sublimation inks and integrating a sophisticated fabric feeding, front & back tensioning and motorised take-up system for rolls up to 100 kg, the printer delivers high quality production print speeds up to 40 m²/h.

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

Durst Phototechnik

Rhotex 325

Durst Rhotex 325 is the dual purpose printing system that combines direct-to-textile printing with the dye-sublimation transfer printing technology in the 3.2 meter printer class. Depending on the application and fabric, the printing system can alternate between the paper transfer and the direct printing function onto polyester-based materials. Waterbased Technology for soft signage and fabric printing.

EFI

EFI VUTEk VabriVU 180/340

The EFI VUTEK FabriVU series of digital fabric printers offer everything to produce high quality images at true production level speeds – all while keeping running cost low and profit opportunity high.

Mimaki Europe

Mimaki Tiger-1800B

The Mimaki Tiger-1800B effortlessly combines high speed, volume production capability with unprecedented ease of use to deliver a superior industrial textile printing solution.

Mimaki Europe

Mimaki Tx500P-3200DS

The Mimaki TxSOOP-3200DS is a 3.2 m direct sublimation printer that reduces production time through its simultaneous performance of two operations, printing and colour fixation. At a print speed of 130 sqm/h, it is a one-stop solution ideal for production of samples, as well as large lot of production of soft signage with short delivery times.

RESULTS

PRINTING SYSTEMS

LARGE/WIDE FORMAT PRINTING

Category	Product (*EDP member submission) in alphabetical order		Judging result
Roll-to-roll printer up to 170 cm	Canon	Océ Colorado 1640	Winner
	HP	Latex 570 Printer	Nominee
Roll-to-roll printer up to 320 cm	Agfa Graphics	Jeti Ceres RTR3200 LED	No Award
	HP	Latex 1500 Printer	No Award
Flatbed/hybrid printer up to 20 sqm/h	Mimaki	JFX200-2531	Nominee
	Mutoh	ValueJet 1638UH dual head LED UV	Winner
Flatbed/hybrid printer up to 250 sqm/h	Agfa Graphics	Anapurna H3200i LED	Nominee
	Agfa Graphics	Jeti Mira LED	Nominee
	swissQprint	4x4 version of Nyala 2	Winner
	Durst	Rho WT 250	Nominee
Flatbed/hybrid printer > 250 sqm/h	Durst	Rho P10 250 HS Plus	No Award
Print & cut solution	Roland DG	TrueVIS SG-Series	Winner
Object printer	Mimaki	UJF-3042MkII / UJF-6042MkII	Winner
	Roland DG	VersaUV LEF-200	Nominee
Textile printer roll-to-roll up to 100 sqm/h	Mimaki	Tx300P-1800P	Winner
	Mutoh	ValueJet 1938TX	Nominee
Textile printer roll-to-roll > 100 sqm/h	Durst	Rhotex 325	Nominee
	EFI	VUTEk FabriVU 180/340*	Winner
	Mimaki	Tiger-1800B	Next year
	Mimaki	Tx500P-3200DS	Nominee

Nominee: This product was nominated for an Award.

No Award: This year is no Award in this category.

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

NOMINEES AND WINNERS **PRINTING SYSTEMS** LARGE/WIDE FORMAT PRINTING

Out of the entries the **EDP TECHNICAL COMMITTEE** has **NOMINATED** products for an EDP Award. At the EDP General Assembly end of March 2017 the EDP members made the final decision which product is being honoured with an **EDP AWARD**. Congratulations!



BEST ROLL-TO-ROLL PRINTERS UP TO 170 CM



NOMINATED

HP

Latex 570 Printer

Designed for medium-to-large print service providers with increasing print volumes, the new 64-inch HP Latex 560 and 570 Printers enable customers to manage a variety of print jobs and peaks in production at a low up-front investment.

Canon

Océ Colorado 1640

THE WINNER

Canon Océ Colorado 1640

The first 64" roll-to-roll printer built on the new Canon UVgel technology. UVgel technology delivers productivity, matched with excellent output quality on a broad range of media. The key to Canon UVgel technology is the fact that the ink is essentially a gel, developed according to UV curing principles. On contact with the media, the liquefied ink drops return immediately to their gel state and are pinned instantly to the media, assisted by a partial LED pre-cure process. Full curing takes place at a later stage, after the image swathe is completely formed and gelled on the media.

The Océ Colorado 1640 is faster than other printer in this segment and delivers high image quality as well as repeatability print after print. It is designed for low total cost of operation



to accelerate return on investment.

Technical Committee's opinion:

All current technologies have their individual advantages, but also their limitations. The Colorado delivers productivity and excellent output quality on a broad range of media. It may be a game changer in the 1.6 meter segment

bringing more speed and prints at lower costs with a unique machine concept. It shows in which direction we possibly go if it comes to more accured inkjet printing.

BEST FLATBED/HYBRIDE PRINTERS UP TO 20 SQM/H



NOMINATED

Mimaki JFX200-2531

The UV-LED flatbed JFX200-2531 builds on the success of the entry level JFX200-2513 model with twice the printing area and a unique "toggle print" function that increases throughput by allowing operators to mount one board while another is printing.

Mutoh ValueJet 1638UH dual head LED UV

THE WINNER

Mutoh ValueJet 1638UH dual head LED UV

Featuring a dual staggered head setup for increased speed and two LED UV lamps for reduced cure time, the ValueJet 1638UH 64" (165 cm) wide hybrid LED UV printer will print on a wide variety of rigid and flexible materials, including heat-sensitive substrates. Offering print resolutions up to 1440 x 1440 dpi, the printer utilizes Mutoh's unique VOC-free LED UV C, M, Y, K, white and varnish inks to produce high quality graphics for short viewing distances. A luxurious or specialty finish of prints is possible thanks to custom varnish and embossing possibilities. Application possibilities encompass high quality graphics for short viewing distances, such as packaging designs, customised interior deco, trade show graphics, etc.



Technical Committee's opinion:

This ValueJet with LED UV is a product category on his own. Mutoh managed to speed up the production with two LED UV lamps on a wide variety of rigid and flexible materials, including heat-sensitive substrates. Offering print resolutions up to 1440 x 1440 dpi, the printer utilises VOC-free inks C, M, Y, K, white and varnish.

BEST FLATBED/HYBRIDE PRINTERS UP TO 250 SQM/H



NOMINATED

Agfa Graphics Anapurna H3200i LED

The 6-color engine prints at a width up to 3.2 m and is equipped with UV LED lamps, enabling to print on a wide media mix and to save energy and costs.

Agfa Graphics Jeti Mira LED

The Jeti Mira is available with a table depth of either 1.6 m or 3.2 m and a table width of 2.69 m. UV LED curing offers high print quality with a wide variety of media. 6 color + white printing process up to to 231 m²/hr, dockable roll-to-roll extension and option for primer or for 3D Lens technology printing with varnish.

swissQprint 4x4 version of Nyala 2

THE WINNER

swissQprint 4x4 version of Nyala 2

Equipped with quadruple CMYK, the Nyala 2 large format printer delivers a unique optimum of printing speed and density. The new 4x4 solution combines speed with print density. The UV printer

operates in quality or fine art mode, meaning 900 x 720 or 1080 x 720 dpi resolution – but faster than might be expected for that standard of quality. Print results have a strong look, with convincing fine detail. In quality mode, a 4x4 model delivers double the speed than its regular counterpart. However, the investment is a mere 20% higher. The 4x4 quality/speed ratio is the most economic one in the current swissQprint range. 4x4 is available based on the Impala 2 and Nyala 2, in other words with a 2.5x 2 or 3.2 x 2 metre flatbed. Both models are individually extensible:



with the roll to roll option for flexible media, the board option for media up to four metres long, and with Rob, the robot for unmanned printing of long runs.

Technical Committee's opinion:

It's more than a nice extra and the most important thing is the possibility to upgrade existing Nyala to this new level. The print samples in big size show a dramatic increase of quality in production mode. Thanks to higher density it also extends the color gammut.

BEST PRINT & CUT SOLUTION



NOMINATED

Roland DG
TrueVIS SG-Series

THE WINNER

Roland DG TrueVIS
SG-Series

For print service providers just starting out in wide format print production, or for those wanting to expand production, the TrueVIS SG series printer/cutters offer all the quality and versatility of Roland DG. The SG is the latest addition to Roland's TrueVIS series, which brings in a new era of integrated printing and contour cutting.

The TrueVIS SG is available in 762mm (30") and 1371mm (54") widths.

The 30" TrueVIS SG-300, with its smaller footprint, is ideal for copy shops and other businesses looking to produce signs, die-cut decals and stickers, original promotional goods, and even printed apparel such as T-shirts and similar garments.

The larger 54" wide TrueVIS SG-540 printer is ideal for a more expansive range of products inclu-



ding indoor and outdoor display and point-of-sale, vehicle graphics, and larger full colour signage. It's also faster than the 30" model and – given the big increase in size and production versatility, set against the comparatively minimal increase in price – the SG-540 is the more attractive of the 2 models (unless you have the aforementioned space restrictions to consider).

Technical Committee's opinion:

Based on the new print engine with FlexFire-print-heads it speeds up the production a lot compared to the older models in the market. These SG-models are delivered as a good price and value combination.

BEST OBJECT PRINTER



NOMINATED

Roland DG

VersaUV LEF-200

The VersaUV LEF-200 fits into any studio, workshop or retail environment, and offers a versatile solution for printing directly onto virtually any item, with incredible detail and stunning colour.

It now includes printable primer option. Print text, photos, logos or other designs directly onto a huge variety of objects, including smartphone cases, gifts, gadgets, stationery, golf balls, promotional items, industrial components and electronic devices.

Mimaki

UJF-MkII Series

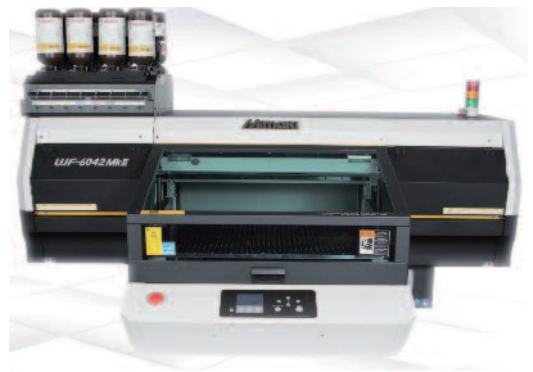
THE WINNER

Mimaki UJF-MkII Series

The UJF-3042MkII and the UJF-6042MkII models achieve a maximum print speed of 2.48 m²/h and 3.52 m²/h. The productivity exhibits an approximately 20% faster print speed than that of conventional models and support on-demand print production. Staggered printhead arrangement process and spot colors simultaneously.

Built on the success of the UJF Series, the UJF MkII Series adds 20% increase in productivity, as well as many new features to increase its versatility, including the Long Drop Mode to print on uneven surfaces, the new optional Kebab units to print on round surfaces in different sizes, and multiple ink options to fit various applications.

The flexible LUS-120 ink stretches up to 170% and delivers durable print results on soft materials in-



cluding leather or polyurethane. Ideal applications are membrane switches or wallet smartphone cases that must be pressed or folded.

The LUS-150 ink stretches up to 150% and delivers vibrant color representation. In addition to its use on soft materials, the ink adheres very well to rigid materials such as glass or acrylic. Examples of ideal applications are indoor signs or trophies.

Technical Committee's opinion:

It's a good upgrade of already successful printers that makes sense. It is more industrial and more productive than other products in this segment.

BEST TEXTILE PRINTER ROLL-TO-ROLL < 100 SQM/H



NOMINATED

Mutoh

ValueJet 1938 TX

The printer is specially targeting sampling of short run on-demand digital production of home textiles, upholstery, interior deco fabrics, fast fashion, swimwear, flags, etc. Utilising pigmented textile inks or direct sublimation inks and integrating a sophisticated fabric feeding, front and back tensioning and motorised take-up system for media rolls up to 100 kg, the printer delivers high quality production print speeds up to 40 m²/h.

Mimaki

Tx300P-1800B

THE WINNER

Mimaki Tx300P-1800B

With its combination of quality, high speed and innovative automated belt-fed conveyance system, the Mimaki Tx300P-1800B has been developed to print direct to a broad range of natural and man-made fabrics. Particularly effective for printing on modern stretchable materials, the Tx300P-1800B is suited to the production of fashion, clothing and soft furnishings.



Technical Committee's opinion:

This is a highly specialized product which gives the user a wide range of applications. This product offers a lot of possibilities for this price.

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



NOMINATED

Durst

Rhotex 325

It's the dual purpose printing system that combines direct-to-textile with dye-sublimation transfer printing in the 3.2 m printer class. Waterbased Technology for soft signage and fabric printing.

Mimaki

Tiger-1800B

The Mimaki Tiger-1800B combines high speed, volume production capability with ease of use to deliver a industrial textile printing solution.

Mimaki

Tx500P-3200DS

This 3.2 m direct sublimation printer reduces production time through its simultaneous performance of two operations, printing and colour fixation.

EFI

VUTEk FabriVU 180/340

THE WINNER

EFI VUTEk FabriVU 180/340

The EFI VUTEk FabriVU series of digital fabric printers offer high quality images at production level speeds – all while keeping the running cost low and profit high.

The printers are 1.8-metre and 3.4-metre wide

aqueous-based soft signage printer models with four-colour printing, a wide colour gamut and deep colour saturation for fabric display graphics with high resolution up to 2,400 dpi and four-level greyscale printing with 4pL to 18pL drop sizes.

The FabriVU series deals for the production of flags, banners, backlit displays and other high-end display graphics. They print direct to textile or transfer paper with the ability to changeover from one to the other. Auto print head cleaning station increases printer uptime. A capping station is used



to keep the system up and running. The patented ink-recirculation system improves ink yield and a wrinkle detect system protects against costly repairs due to head strikes.

Technical Committee's opinion:

This is a robust machine and very close to an industrial solution.

ENTRIES

PRINTING SYSTEMS

COMMERCIAL PRINTING

The following descriptions are based on the statements of the EDP Awards competitors and are slightly edited for this publication. The descriptions are not an assessment and are not the opinion of the EDP Technical Committee.

CUTSHEET PRINTER MONOCHROME UP TO B3

Ricoh Europe

Ricoh Pro 8200s series

The Ricoh Pro 8200s series are monochrome production printers. With high resolution (1.200 x 4.800 dpi) achieved by VCSEL technology, these models offer capabilities at up to 136 ppm. A more creative product mix is enabled by the High Capacity Interposer. It allows front and back covers or inserts, printed on offset or digital printers, to be added post-fusing, into books and manuals. Another service expanding capability is the long sheet (banner) printing of up to 700 mm while an improved stacker allows heavier media use up to 350 gsm.

CUTSHEET PRINTER COLOR UP TO B3 < 200.000 A4/MONTH

Canon Europe

Canon ImagePress C750/850

Responding to customer requests for more flexible production presses offering consistently print quality, performance and proven reliability in a smaller but robust package, the

imagePRESS C850 series is set to inspire commercial printers and corporate reprographic departments to broaden their application offerings and realise their business growth ambitions.

Ricoh Europe

Ricoh Pro C5200s series

The compact Ricoh Pro C5200s and Ricoh Pro C5210s offer space saving production, offer print, scan and copy capabilities available in both 65 ppm and 80 ppm (prints per minute) at 1.200 x 4.800 dpi across a wide range of media up to 360 gsm. The embedded paper library has an intuitive user Interface to support operators. Image quality is comparable to the output from Ricoh's higher classes of digital colour sheetfed presses. The series offers optional Cover Interposer and Booklet Finisher with saddle stitching and folding capabilities.

CUTSHEET PRINTER COLOR UP TO B3 > 200.000 A4/MONTH

Eastman Kodak

NEXPRESS ZX 3900

The NexPress Press delivers vibrant colors and consistent spot color matching, smooth flat fields and

gradients, denser blacks while maintaining superb detail and highlights, unique ability to match the ink gloss level to the substrate being printed. The fifth imaging unit opens the door to many differentiated applications. Every press ships with five imaging units, configured with the light black solution in the fifth station for outstanding image quality. And it's possible to select from a wide range of additional solutions.

Konica Minolta

Konica Minolta AccurioPress C2070

Print providers will welcome this colour digital presses, which combine colour print production with a range of professional integrated finishing facilities. With its amazing imaging capabilities and absolutely consistent print quality, the AccurioPress C2060 and AccurioPress C2070/P opens up a new era of quality colour production.

CUTSHEET PRINTER COLOR UP TO B3 > 600.000 A4/MONTH

HP Inc.

HP Indigo 7900 Digital Press

The HP Indigo 7900 Digital Press is the market-leading SRA3+ format digital sheeted press, with major innovations in print quality, intelligent automation and media versatility to reach the highest levels of productivity. Distinct printing capabilities enable the widest range of digital applications.

Xerox

Xerox Brenva HD

Inkjet delivers the lowest total cost of ownership and cut-sheet gives you greater control over stocks, job setup and finishing options. The Xerox Brenva HD is engineered for quality output at the lowest possible cost. This is an opportunity to transform your business through remarkable savings and higher margins. Xerox Brenva HD enables you to introduce more colour into applications, reduce storage costs for offset shells, offload unneeded high-end presses, and consolidate your workflows, presses, and floor space.

CUTSHEET PRINTER COLOR B2

HP Inc.

HP Indigo 12000 Digital Press

The HP Indigo 12000 offers major innovations in print quality, application range, and productivity, as well as new priming technology and colour matching capabilities. Built on the proven HP Indigo 10000 Digital Press, the press brings printing capabilities that extend high-value opportunities.

Komori

Komori Impremia IS29

High print quality with the feeling of volume that is associated with offset printing. Able to print with ordinary offset printing paper (no need for precoating or certified paper). Single-sided/double-sided printing with fully automatic changeover. Instant curing and the ability to start finishing immediately due to UV ink. Color matching with offset printing.

CUTSHEET PRINTER COLOR B1

Heidelberger Druckmaschinen

Heidelberg Primefire 106

The new inkjet system Primefire 106 in 70 x 100 cm format with Multicolor Technology enables industrialized

digital printing. The Primefire 106 fits for master custom packaging, fast product launches, recyclability and environmental sustainability.

WEBFED PRINTER MONO- CHROME < 550 MM WIDTH

Domino UK

Domino K630i

High speed, compact, single engine duplex inkjet printing press to print over 20 million pages a month. For the on-demand book and manuals sector.

WEB FED PRINTER COLOR < 550 MM WIDTH

Canon Europe

Canon Océ ColorStream 6000 Chroma

The Océ ColorStream 6000 Chroma is a highly versatile inkjet web press combining outstanding quality and flexibility for the efficient and reliable production of mail, publishing and commercial applications.

Canon Europe

Canon Océ ProStream

The new Canon Océ ProStream press offers quality and media versatility from continuous inkjet.

Xeikon

Xeikon Trillium One

Trillium is able to combine speed with the new levels of printing quality with its liquid toner technology. A joint development project between Xeikon and Miyakoshi.

Xerox

Xerox Trivor 2400

The Xerox Trivor 2400 Inkjet Press combines a base of proven imaging technologies with innovations to deliver in 20" continuous feed performance in a compact footprint.

WEB FED PRINTER COLOR > 550 MM WIDTH

HP Inc.

HP Indigo 50000 Digital Press

The HP Indigo 50000 digital press offers HP Indigo quality and economies of scale. This oversized B1

duplex roll-fed press is designed for high-coverage jobs on virtually any type of paper.

HP Inc.

HP PageWide Web Press T240 HD

HP High Definition Nozzle Architecture (HDNA) completely raises the bar in digital color quality, using 2.400 nozzles per inch native resolution and dual drop weight to deliver image details. The result: quality ideal for demanding applications in publishing, direct mail, and commercial print up to 152 m/min.

KBA

KBA RotaJET L

The consistent modular design of the RotaJET L systems offers a unique level of upgradeability and adaptability. The RotaJET L Series with web widths from 77 to 138 cm is one of the most future-proof high-volume inkjet printing systems on the market, serving a wide range of different application fields in commercial, publication, packaging, advertising and functional printing.

KBA

KBA RotaJET VL

The KBA RotaJET VL Series ranks among the top class in industrial inkjet printing presses and is one of

the most high-performing digital ranges on the market. The RotaJET 168 covers web widths from 1.300 mm to 1.680 mm whilst the RotaJET 225 goes even wider with a maximum web width of 2.250 mm.

LABEL PRINTER > 321 MM WEB WIDTH

HP Inc.

HP Indigo 8000 Digital Press

The HP Indigo 8000 is the most productive digital narrow-web label press in the industry, designed to handle even the longest and most demanding jobs. The economics of the HP Indigo 8000 enable converters to reshape their business and move towards full digital production – all this up to 80 m/min.

Mark Andy

Mark Andy Digital One

A digital label press designed to free up capacity on high output flexo presses, and bring greater efficiency to fast turnaround work. Built specifically for short run prime labels, Mark Andy Digital One makes digital printing more accessible to narrow-web converters.

RESULTS

PRINTING SYSTEMS

COMMERCIAL PRINTING

Category	Product (*EDP member submission) in alphabetical order		Judging result
Cutsheet printer monochrome up to B3	Ricoh	Pro 8200s series	No Award
Cutsheet printer color up to B3 < 200.000 A4/month	Canon	ImagePress C750/850*	Nominee
	Ricoh	Pro C5200s series	Winner
Cutsheet printer color up to B3 > 200.000 A4/month	Kodak	NexPress ZX 3900	Winner
	Konica Minolta	AccurioPress C2070*	Nominee
Cutsheet printer color up to B3 > 600.000 A4/month	HP	Indigo 7900 Digital Press	Nominee
	Xerox	Brenva HD*	Winner
Cutsheet printer color B2 (+)	HP	HP Indigo 12000 Digital Press	Winner
	Komori	Impremia IS29*	Nominee
Cutsheet printer color B1 (+)	Heidelberg	Primefire 106*	Next year
Webfed printer monochrome < 550 mm	Domino	K630i	No Award
Webfed printer color < 550 mm width	Canon	Océ ColorStream 600 Chroma*	Nominee
	Canon	Océ ProStream*	Winner
	Xeikon	Trillium One*	Next year
	Xerox	Trivor 2400*	Nominee
Webfed printer color > 550 mm width	HP	HP Indigo 50000 Digital Press	Winner
	HP	PageWide Web Press T240 HD	Nominee
	KBA	RotaJET L*/RotaJET VL*	Next year
Label printer > 321 mm web width	HP	HP Indigo 8000 Digital Press	Winner
	Mark Andy	Digital One*	Next year

Nominee: This product was nominated for an Award.

No Award: This year is no Award in this category.

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

NOMINEES AND WINNERS **PRINTING SYSTEMS** COMMERCIAL PRINTING

Out of the entries the **EDP TECHNICAL COMMITTEE** has **NOMINATED** products for an EDP Award. At the EDP General Assembly end of March 2017 the EDP members made the final decision which product is being honoured with an **EDP AWARD**. Congratulations!



BEST CUTSHEET PRINTER COLOR UP TO B3 < 200.000 A4/MONTH



NOMINATED

Canon

Canon ImagePress C750/850

Responding to customer requests for more flexible production presses offering consistently print quality, performance and proven reliability in a smaller but robust package, the imagePRESS C850 series is set to inspire commercial printers and corporate reprographic departments to broaden their application offerings and realise their business growth ambitions.

Ricoh

Ricoh Pro C5200s series

THE WINNER

Ricoh Pro C5200s series

The Ricoh Pro C5200s and Ricoh Pro C5210s support print-for-pay businesses, commercial printers, in-house print centres and corporate reprographics and marketing environments in their quest to deliver highly responsive creative print. The compact, space saving production systems, offer print, scan and copy capabilities available in both 65 ppm and 80 ppm (prints per minute) at 1.200 x 4.800 dpi across a wide range of media up to 360 gsm. It aids increased productivity, colour consistency and takes image quality to the next level, all at an affordable price. The embedded paper library has an intuitive User Interface to support operators. Image quality is comparable to the output from Ricoh's higher classes of digital colour sheet fed press will also help meet market demands. The series offers



optional Cover Interposer and Booklet Finisher with saddle stitching and folding capabilities. The Ricoh Pro C5200s series has a paper capacity of up to 8.250 sheets, supporting long periods of production, even when switching media.

Technical Committee's opinion:

Interesting for printers who want to start in digital printing. There are not so much options to grow. But the machine is using techniques coming from the high end systems which deliver good print quality. It's small footprint makes it a good printer for smaller copyshops and printshops. And the fastest model even delivers 80 A4 pages a minute.

BEST CUTSHEET PRINTER COLOR UP TO B3 > 200.000 A4/MONTH



NOMINATED

Konica Minolta AccurioPress C2070

Central reprographic departments and print providers will welcome Konica Minolta's colour digital presses, which combine high speed colour print production with an extensive range of professional integrated finishing facilities. With its amazing imaging capabilities and absolutely consistent print quality, the AccurioPress C2060 and AccurioPress C2070/P opens up a new era of superb quality colour production. Inimitable modularity provides unmatched versatility and ensures perfect adaptability to the entry production environment.

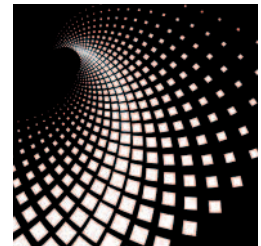
Kodak NEXPRESS ZX 3900



THE WINNER Kodak NEXPRESS ZX 3900

The NexPress Press delivers vibrant colors and consistent spot color matching, smooth flat fields and gradients, denser blacks while maintaining superb detail and highlights, ability to match the ink gloss level to the substrate being printed. The fifth imaging unit opens the door to many differentiated applications. Every press ships with five imaging units, configured with the light black solution in the fifth station for outstanding image quality. And it's possible to select from a wide range of additional solutions.

Kodak NexPress Opaque White Dry Ink opens the door to new applications printing on transparent or colored media. The ability to add white ink into a design offers both practical and creative benefits. White ink improves image quality on transparent label and cling media. It also boosts design uniqueness when incorporated into jobs printing on colored substrates.



Technical Committee's opinion:

Beside the enlargements and improvements of the hardware as well as the print quality the solutions of the enhancement impress in the fifth imaging unit. In particular the Opaque White Ink makes the product almost as an all-round solution for printshops.

BEST CUTSHEET PRINTER COLOR UP TO B3 > 600.000 A4/MONTH



NOMINATED

HP

HP Indigo 7900 Digital Press

The HP Indigo 7900 Digital Press is the market-leading SRA3+ format digital sheeted press, with major innovations in print quality, intelligent automation and media versatility to reach the highest levels of productivity. Distinct printing capabilities enable the widest range of digital applications.

Xerox

Xerox Brenva HD



THE WINNER

Xerox Brenva HD

Inkjet delivers the lowest total cost of ownership and cut-sheet gives you greater control over stocks, job setup and finishing options. The Xerox Brenva HD is engineered for quality output at the lowest possible cost. This is an opportunity to transform business through remarkable savings and higher margins. Xerox Brenva HD enables to introduce more colour into several applications, reduces storage costs, offload unneeded high-end presses, and consolidate workflows, presses, and floor space.

Technical Committee's opinion:

The printer is more affordable than other printers in the same size and much more compact. It can be a good solution for lower cost production printing if we compare with the toner presses. But customers still must have a difference in quality especially for jobs with high coverage in their mind.

BEST CUTSHEET PRINTER COLOR B2 (+)



NOMINATED

Komori

Komori Impremia IS29

High print quality with the feeling of volume that is associated with offset printing. Able to print with ordinary offset printing paper (no need for any precoating or certified paper). Excellent sheet size for imposition and sheet thickness range suitable for packaging. Single-sided/double-sided printing with fully automatic changeover. Instant curing and the ability to start finishing immediately due to UV ink. Color matching with offset printing.

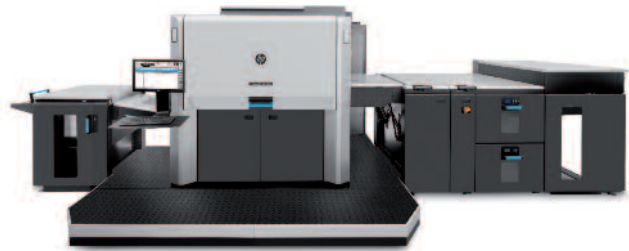
HP

HP Indigo 12000 Digital Press

THE WINNER

HP Indigo 12000 Digital Press

The HP Indigo 12000 offers major innovations in print quality, application range, and productivity, as well as breakthrough priming technology and colour matching capabilities. Built on the bestselling and proven HP Indigo 10000 Digital Press, the press brings breakthrough printing capabilities that extend unique, high-value opportunities to grow business.



Technical Committee's opinion:

No doubt – it is an upgrade from the HP Indigo 10000, but it is a major upgrade. Indigo uses a new writing system with a higher resolution. We think it is an unbeatable machine in this category and the new writing engine makes a proven system even better.

BEST WEBFED PRINTER COLOR UP TO 550 MM WIDTH



NOMINATED

Canon

Océ ColorStream 6000 Chroma

The Océ ColorStream 6000 Chroma is a highly versatile inkjet web press combining outstanding quality and flexibility for the efficient and reliable production of mail, publishing and commercial applications.

Xerox

Xerox Trivor 2400

The Xerox Trivor 2400 Inkjet Press combines a base of proven imaging technologies with new innovations to deliver the next level in 20" continuous feed performance – all in a highly compact footprint.

Canon

Canon Océ ProStream



THE WINNER

Canon Océ ProStream

New Canon press, the Océ ProStream, offers unrivalled quality and media versatility from continuous inkjet. Delivering up to 80 m/min with a 565 mm web width (print width 540 mm) and a high-capacity duty cycle of up to 35 million A4 pages per month, it's built for productivity.

The ProStream enters new markets by offering high quality and short turn-around times for promotional and graphical applications with the versatility of digital variable data printing.

Technical Committee's opinion:

It follows the concept to print standard offset material with the drupa 2016 released "ColorGrip". It can be used for a big range of applications. The ProStream, which was presented in February 2017 uses new polymer inks. It's not so fast (80 m/Min.) but has a relatively small footprint and high quality.

BEST WEBFED PRINTER COLOR > 550 MM WIDTH



NOMINATED

HP

HP PageWide Web Press T240 HD

HP High Definition Nozzle Architecture (HDNA) completely raises the bar in digital color quality, using 2400 nozzles per inch native resolution and dual drop weight to deliver image detail like never before. The result: image quality ideal for demanding applications in publishing, direct mail, and commercial print up to 152 m/min.

HP

HP Indigo 50000 Digital Press



THE WINNER

HP Indigo 50000 Digital Press

The HP Indigo 50000 Digital Press is an oversized B1 duplex web press offering productivity with Indigo's colour quality. Benefits: low total cost of ownership to produce high-value, high-coverage applications on an extensive range of paper. Designed for high-volume printing, the press is a highly productive solution for photobooks, year-books, publications, direct mail and marketing collateral.

The 746 x 1120 mm image size enables flexibility in imposition efficiency. Up to 24 million A4 colour pages per month at 770 pages per minute. 2300 ppm in monochrome. Inline finishing connectivity provides an optimised production line.

Technical Committee's opinion:

The HP Indigo 50000 digital press is the most productive press offering highest quality and unbeatable economies of scale. The oversized B1 duplex roll-fed press is designed for high-coverage jobs on virtually any type of paper and for applications with a high ink coverage.

BEST LABEL PRINTER



NOMINATED

HP
**HP Indigo 8000 Digital
 Press**



THE WINNER

HP Indigo 8000 Digital Press

The HP Indigo 8000 Digital Press brings speed to the market's of narrow-web labels. Designed to handle even the longest and most demanding jobs, the press enables converters to reshape business and move toward full digital production.

At a speed of up to 262 feet a minute, digital benefits meet mainstream productivity for the production of any job. Advanced color automation and matching tools make it fast and easy to hit brand colors with accuracy, consistency and repeatability from the first print to the

last. The economics of the HP Indigo 8000 enable converters to reshape their business and move towards full digital production up to 80 m/min.

Technical Committee's opinion:

The HP Indigo 8000 is the most established machine in digital label production because of the most natural way for business development and growth for users. It offers 7 colors incl. white ink, additional options and a wide range of postpress equipment.

ENTRIES

PRINT & FINISHING

SOLUTIONS

The following descriptions are based on the statements of the EDP Awards competitors and are slightly edited for this publication. The descriptions are not an assessment and are not the opinion of the EDP Technical Committee.

PHOTO BOOK SOLUTION

Eastman Kodak NEXPRESS ZX 3900

The digital production color press utilizing a 5th color station is suitable for different applications such as photo books.

BOOK SOLUTION

Domino UK Domino K630i book block solution

Domino's K630i high speed, compact, single engine duplex inkjet printing press integrated with Hunkeler web processing equipment provides a flexible, efficient and highly productive print and processing solution for delivering book-blocks at fully variable speed. This modular solution can print on a range of paper stocks taking full size rolls of up to 540 mm wide.

Eastman Kodak NEXPRESS ZX 3900

The digital production color press utilizing a 5th color station is suitable for different applications such as books.

KBA KBA RotaJET L

Installed in Germany and Finland as a monochrome book printing solution. Finishing is made by Müller Martini.

The consistent modular design of the RotaJET L systems offers a unique level of upgradeability and adaptability. The RotaJET L Series with web widths from 77 to 138 cm is one of the most future-proof high-volume inkjet printing systems on the market, serving a wide range of different application fields in commercial, publication, packaging, advertising and functional printing.

FOLDING CARTON SOLUTION

KAMA KAMA FF 52i Folder Gluer

The KAMA FF 52i is the world first folder gluer for short run folding cartons and has been designed and developed for the digital workflow by German based machine manufacturer KAMA. The new KAMA FF 52i folder gluer provides an automatic adjustment and allows for job changeovers in the record time of 5 minutes. The solution with its patented folding section additionally features a 100% inspection with

ejection, plasma treatment to process metalized and UV-coated material and, as a networking solution, is prepared for an e2e workflow for digitally printed folding carton production. Best practice: The first machines in the market show that more than 100 short-run jobs a day can be produced on the KAMA FF 52i – making personalised and very small runs a profitable business in folding cartons.

CORRUGATED SOLUTION

Durst Phototechnik Durst Delta WT 250

The Delta WT 250 represents a new generation of printers incorporating Durst Water Technology. The system prints from flexo quality up to litho quality with odorless ink. Water Technology is suited for a range of corrugated packaging and display applications. The Delta WT 250 is equipped with recirculating Durst Quadro Arra printheads and Delta WT Inks. The Delta WT 250 print with maximum six colors (including spot varnish and white) on small sheet sizes from A3 (297 x 420 mm) up to very large boards with a maximum size of 2,500 x 3,200 mm.

Durst Phototechnik**Durst Delta SPC 130**

With the Delta SPC 130, Durst is now adapting its Single-Pass technology for the corrugated industry. The Delta SPC 130 combines a well engineered mechanical design with easily accessible sub-assemblies and selected components to guarantee quality, performance and reliability. The printing system can be configured with up to 6 color rows and has a maximum printing width of 1,285 mm.

Any length of corrugated cardboard or paper media of up to 12 mm in thickness can be printed – with a resolution of up to 800 dpi and at a print speed of up to 9,350 sqm/h.

EFI**EFI Nozomi C18000**

As run lengths and turnaround times morph, printshops need a cost-effective response to customer demands for even faster job turns, versioning and variable data, just-in-time and on-demand printing while reducing inventory costs and waste.

The Nozomi does this all with high-quality, high-speed digital LED printing up to 75 linear m per minute on substrates up to 1.8 m wide.

WALL PAPER SOLUTION**HP Inc.****HP Latex 1500 Printer**

The 126-inch (3.2-m) HP Latex 1500 Printer offers a robust, affordable super-wide printing solution, providing fast turnarounds on a broad range of indoor and outdoor applications, including PVC banners, self-adhesive vinyl, textiles and double-sided prints.

TEXTILE SOLUTION**Durst Phototechnik****Rhotex 325**

Industrial Direct and Transfer Printing Machine with State-of-the-Art Waterbased Technology for Soft Signage and Fabric Printing. Durst Rhotex 325 is the dual purpose printing system that combines direct-to-textile printing with the dye-sublimation transfer printing technology in the 3.2 m printer class. Depending on the application and fabric, the printing system can

alternate between the paper transfer and the direct printing function onto polyester-based materials in no time.

HP Inc.**HP Latex 1500 Printer**

The 126-inch (3.2-meter) HP Latex 1500 Printer offers a robust, affordable super-wide printing solution, providing fast turnarounds on a broad range of indoor and outdoor applications, including PVC banners, self-adhesive vinyl, textiles and double-sided prints.

SPGPrints**JAVELIN Digital Textile Printer**

Digital Textile Printer based on SPGPrints unique Archer Technology with a native resolution of 1.200 dpi and variable drop sizes between 2-10 pl. Combined with in-house produced inks, JAVELIN gives you an image quality that no other digital printer can match.



Austria | BeNeLux | Czech Republic/Slovakia | Denmark | Finland | France | Germany | Greece | Hungary/Romania | Italy | Liechtenstein | Norway | Poland | Russia | Spain | Sweden | Switzerland | Turkey | UK/Ireland | Ukraine

IT'S NOT ALL ABOUT SPEED

Of course – you expect from your production equipment top performance. However, this belongs to more than speed. If Europe's 20 leading trade magazines on digital production, which are united in the European Digital Press Association, evaluate, judge and honour every year the best technological developments (products such as software, digital printing devices, postpress solutions and consumables) with an **EDP Award**, it's not only about speed. Criteria like quality, user friendliness and low production costs for the users decide also on the honourings. That's why the EDP Awards offer orientation and support by your purchase decisions.

www.edp-awards.org



EDP AWARDS

RESULTS

PRINT & FINISHING SOLUTIONS

Category	Product (*EDP member submission) in alphabetical order		Judging result
Photo book solution	Kodak	NEXPRESS ZX 3900	No Award
Book printing solution	Domino	K630i book block solution	Winner
	KBA	RotaJET L*	Next year
	Kodak	NEXPRESS ZX 3900	Nominee
Folding carton solution	KAMA	FF 52i Folder Gluer*	Winner
Corrugated solution	Durst	Delta WT 250*	Winner
	Durst	Delta SPC 130*	Nominee
	EFI	Nozomi C18000*	next year
Wall paper solution	HP	Latex 1500 Printer	No Award
Textile solution	Durst	Rhotex 325	Nominee
	HP	Latex 1500 Printer	Nominee
	SPGPrints	JAVELIN Digital Textile Printer	Winner

Nominee: This product was nominated for an Award.

No Award: This year is no Award in this category.

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

NOMINEES AND WINNERS **PRINT & FINISHING** SOLUTION

Out of the entries the **EDP TECHNICAL COMMITTEE** has **NOMINATED** products for an EDP Award. At the EDP General Assembly end of March 2017 the EDP members made the final decision which product is being honoured with an **EDP AWARD**. Congratulations!



BEST BOOK PRINTING SOLUTION



NOMINATED

Eastman Kodak NEXPRESS ZX 3900

The digital production color press utilizing a 5th color station is suitable for different applications such as books.

Domino UK Domino K630i book block solution

THE WINNER

Domino K630i book block solution

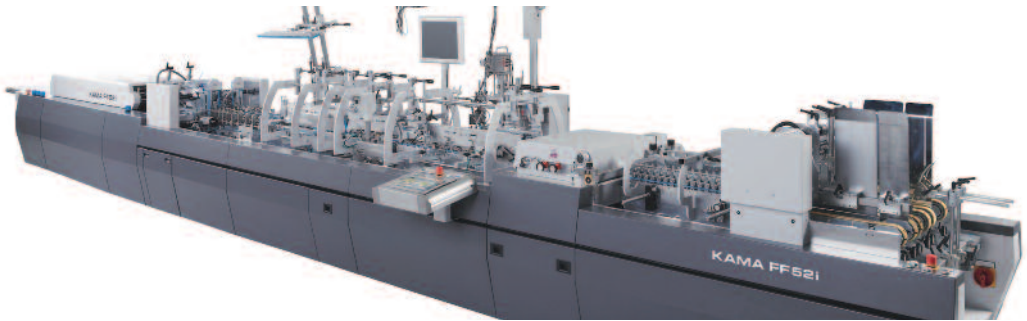
Domino's K630i high speed, compact, single engine duplex inkjet printing press integrated with web processing equipment and a finishing solution provides a flexible, efficient and productive print and processing solution for delivering book-blocks at fully variable speed. This modular solution can print on a range of paper stocks taking full size rolls of up to 540 mm wide. Offering a total white paper solution, the Kern 100 unwinder delivers web media to the Domino

K630i continuous feed monochrome production printing press where the relevant booklet content is printed. The Kern 130 rotary cutter then takes the printed web and supplies individual cut sheets to the in-line IBIS Smart-binder which, depending upon the booklet type, folds and either wire stitches or glues the sheets together, and if required, can add a pre-printed cover. Finally the three-knife trimmer cuts the booklet to final size. The booklet is then available for packaging and despatch.

Technical Committee's opinion:

It's not only the printer that makes a book print solution running. A book printing solution needs to have a finishing line as well. Therefore the IBIS is as important as all other parts. And the cover needs to be added offline. But this solution is the right way in direction of industrial solutions.

BEST FOLDING CARTON SOLUTION



NOMINATED

KAMA
KAMA FF 52i Folder
Gluer

THE WINNER

KAMA FF 52i Folder
Gluer

The KAMA FF 52i is the world first folder gluer for short run folding cartons and has been designed and developed for the digital workflow by German based machine manufacturer KAMA. The new KAMA FF 52i folder gluer provides an automatic adjustment and allows for job changeovers in the record time of 5 minutes. The solution with its patented folding section additionally features a 100% inspection with ejection, plasma treatment to process metalized and UV-

coated material and, as a networking solution, is prepared for an e2e workflow for digitally printed folding carton production. Best practice: The first machines in the market show that more than 100 short-run jobs a day can be produced on the KAMA FF 52i – making personalised and very small runs a profitable business in folding cartons.

Technical Committee's opinion:

This solution was developed together with HP Indigo to cover a save folding carton solution. The very important thing is the inline inspection. It makes sure that print and finishing are correct. This is a very important step for digital printing.

BEST CORRUGATED SOLUTION



NOMINATED

Durst

Delta SPC 130

With the Delta SPC 130, Durst is now adapting its Single-Pass technology for the corrugated industry. The Delta SPC 130 combines a well engineered mechanical design with easily accessible sub-assemblies and selected components to guarantee durable quality, high performance and reliability.

Durst

Delta WT 250

THE WINNER

Durst Delta WT 250

The Delta WT 250 represents a new generation of printers incorporating Durst Water Technology. The system prints from flexo quality up to litho quality with odorless ink. Water Technology is suited for a range of corrugated packaging and display applications. WT Inks are completely free of hazardous labeling and comply with the health and safety regulations.

The Delta WT 250 system is equipped with recirculating Durst Quadro Arra printheads and Delta WT Inks. This additional recirculation behind the nozzleplate of the printhead ensures open time and reliability. In order to achieve up to litho quality, the odorless ink film is fixed, dried and sealed in one integrated process. The Delta WT 250 print with maximum six colors (including spot varnish and white) on small sheet sizes



from A3 (297 x 420 mm) up to very large boards with a maximum size of 2,500 x 3,200 mm.

Technical Committee's opinion:

Durst made a complete rework on his products for the corrugated market. The new Delta WT 250 is the first multi-pass digital printing system based on Durst's Water Technology. It prints on a range of coated boards for packaging and displays.

BEST TEXTILE SOLUTION



NOMINATED

Durst

Delta Rhotex 325

Durst Rhotex 325 is the dual purpose printing system that combines direct-to-textile printing with the dye-sublimation transfer printing technology in the 3.2 m printer class. Depending on the application and fabric, the printing system can alternate between the paper transfer and the direct printing function onto polyester-based materials in no time.

HP

HP Latex 1500 Printer

The 126-inch (3.2-meter) HP Latex 1500 Printer offers a robust, affordable super-wide printing solution on a broad range of indoor and outdoor applications.

SPGPrints

JAVELIN Digital Textile Printer



THE WINNER

SPGPrints JAVELIN Digital Textile Printer

Digital Textile Printer based on SPGPrints Archer Technology with a native resolution of 1.200 dpi and variable drop sizes between 2-10 pl. Combined with in-house produced inks, Javelin gives an image quality that no other digital printer can match. It also offers a step up to performance, high-quality production for printers who wish to develop their digital capabilities further. Javelin uses 36 Fujifilm Dimatix Samba print heads with a resolution of 1,200 dpi.

SPGPrints worked with Dimatix to develop specially modified print heads and a specialised ink conditioning and delivery system called 'Archer technology'. Apart from ease, accuracy and productivity, JAVELIN offers flexibility and may be used with reactive, disperse or acid inks and different drying methods. Save time, space and money. With an annual output up to 2 million metres, Javelin is both a workhorse and a sprinter.

Technical Committee's opinion:

The printer offers quality and value to textile printers who are taking the first step into digital production. The Javelin has several multiple-pass scanning printing modes that can print high-resolution images up to 1,200 dpi on a variety of substrates. Possibly a breakthrough in textile at high resolution and small droplets with special inks for textile.



Austria | BeNeLux | Czech Republic/Slovakia | Denmark | Finland | France | Germany | Greece | Hungary/Romania | Italy | Liechtenstein | Norway | Poland | Russia | Spain | Sweden | Switzerland | Turkey | UK/Ireland | Ukraine

ONLY QUALITY COUNTS?

Your customers expect the highest print quality? You expect this from your production equipment as well – and still a lot more: for example high output capacity, user friendliness and low production costs. It is exactly about that, if Europe's 20 leading trade magazines on digital production, united in the European Digital Press Association, yearly evaluate, judge and honour the best products from software, digital print, finishing and consumables with the popular **EDP Awards**. And that's why the EDP Awards offer orientation and support by your purchase decisions. www.edp-awards.org



EDP AWARDS

ENTRIES

FINISHING

The following descriptions are based on the statements of the EDP Awards competitors and are slightly edited for this publication. The descriptions are not an assessment and are not the opinion of the EDP Technical Committee.

DIGITAL CUTTING SYSTEMS

Bullmer

Bullmer 5m Premiumcut

Single-ply cutting system Premiumcut with driven unwinding unit (incl. edge alignment, etc.) and synchronized rewinding unit with a working width up to 5 m. Used for Textiles, Banner, PVC, Vinyl, Mesh, Carpet, etc. With its modular tool system the Premiumcut is equipped for any graphics finishing. Whether cutting, v-cut, creasing, kisscut or milling – the Premiumcut rules its metier. Even with strong materials the 2.1 kW milling spindle wont have any problem. And the pneumatic bit-exchange makes tool change easy. Materials like Carton, Acryl, Aludibond, or MDF and others are processible with the suitable tool.

Trotec Laser

SPC2000

The SP2000 belongs to a series of large format industrial laser cutters. The short description you will find in column 2.

Zünd Systemtechnik

3.6 kW Routing System RM-L

The router module RM-L with a powerful 3.6 kW spindle is the most efficient system for high-precision routing, polishing, and engraving of aluminium, wood, plastics, and composite materials.

LASER CUTTING SYSTEMS

Trotec Laser

SPC2000

The SP2000 belongs to a series of large format industrial laser cutters and features several technological highlights: A precise mechanical guidance with up to 1 m/s speed and rigid designed drives allow a reliable and fast production. Due to the distinct and open designed V-shaped body, the working area is easy to access from all sides and allows economical loading even during processing. The 400 w laser class 2 system does not require additional safety measures. All optics are completely air-flushed. This provides maintenance-free and long life performance. The working area of 1.68 x 2.51 m is perfectly suited to accommodate standard sheet size materials for digital print.

Additionally soft signage applications can be processed with a conveyor system and a roll-off unit. The soft signage solution will be presented in May 2017.

CUTSHEET FINISHING SOLUTION OFFLINE B2

Highcon

Highcon Pulse

The Highcon Pulse digital cutting and creasing solution brings the digital post-print revolution to print service providers and converters with a seamless integration into existing B2 / 29 in. sheet size workflows. By introducing digital capabilities to the finishing process, the Highcon Pulse opens up a whole new world of service. For converters and print service providers with digital print equipment, the Pulse enables an end-to-end digital workflow, removing the bottleneck at the post-print stage. For those with conventional printing equipment, digital finishing is the ultimate way to grow their

business by extending the services they offer with a differentiated product offering.

SEI Laser

SEI PaperOne 5000

PaperOne 5000 is a technologically advanced system for digital converting and nishing of sheet materials. Specially designed for the packaging and graphic arts industry the system is the a modular laser based solution for real time die-cutting and creasing in max. sheet size of 530 x 750 mm and substrate ranges from 0,15 up to 0,6 mm.

Trotec Laser

GS1200 Laser System

The GS1200 is an automated solution for high speed laser cutting and high volume paper finishing. With digital laser finishing (cutting, engraving, perforating, kiss-cutting), companies can add value to their print products by personalizing them with individual contents (logos, names, numbers, codes etc.). The heart of the GS1200 is a super-pulsed 100 watts 3-axis galvo system, the closed

casing makes it a laser safety class 2 machine. Register mark detection allows printed paper to be cut delicately and engraved individually.

Printing deviations are detected by the SpeedMark Vision software, and the cutting path is automatically adjusted. The highlight is the patent-pending paper handling in the laser cell, where the paper is fixed and aligned at the edges with clamps. Thus the paper seems to float in the air, resulting in numerous advantages: no reflection of the laser beam, best cutting results as the paper always remains equally tensioned and automatic waste removal.

CUTSHEET FINISHING SOLUTION OFFLINE B1

Highcon

Highcon Beam

The Highcon Beam digital cutting and creasing solution extends the digital finishing revolution to mainstream production. With a speed of up to 5.000 sheets per hour, this breakthrough machine was developed as a robust solution to the challenges facing folding carton converters and print service providers. The Highcon Beam replaces the expensive and slow conventional

die-making and setup process with a digital technology that delivers improved responsiveness, design flexibility and the ability to perform a wide range of applications in-house. The Highcon Beam takes digital cutting and creasing into a new dimension of value.

ENTRIES

ENHANCEMENT

The following descriptions are based on the statements of the EDP Awards competitors and are slightly edited for this publication. The descriptions are not an assessment and are not the opinion of the EDP Technical Committee.

ENHANCEMENT SOLUTION OFFLINE

Argos Solution

Argos MK3

Digital spot coater. This one is B3, but there must be as well a A2 coater.

MGI Digital Technology

JETvarnish 3D Evolution

The JETvarnish 3D Evolution and its iFOIL is the first digital spot UV coating, embossing and hot foiling solution for B1+ cut sheets (75 x 120 cm).

Steinemann

dmax/dfoil

Digital Print Enhancement System.

With their innovative varnishing systems for the graphic industry, Steinemann Finishing belongs to the international leading manufacturers in print finishing. Whether spot or full flood, whether for envelopes, labels, brochures, posters, packages or other printed material: The varnishing systems of Steinemann guarantee highest quality, performance and efficiency for any purpose. The different models of two production ranges cover with their various options a very broad spectrum of performance and applications.

RESULTS

FINISHING & ENHANCEMENT

Category	Product (*EDP member submission) in alphabetical order		Judging result
FINISHING SYSTEMS			
Digital cutting systems	Bullmer	5m Premiumcut	Nominee
	Trotec Laser	SP2000	Nominee
	Zünd	3.6 kW Routing System RM-L	Winner
Laser cutting systems	Trotec Laser	SP2000	Winner
Cutsheet finishing solution offline B2	Highcon	Pulse*	Nominee
	SEI Laser	PaperOne 5000*	Winner
	Trotec Laser	GS1200 Laser System	Nominee
Cutsheet finishing solution offline B1	Highcon	Beam*	Winner
ENHANCEMENT			
Enhancement solution offline	Argos	MK3/MK2*	Next year
	MGI	JETvarnish 3D Evolution	Nominee
	Steinemann	dmax/dfoil	Winner

Nominee: This product was nominated for an Award.

No Award: This year is no Award in this category.

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

NOMINEES AND WINNERS **FINISHING** SOLUTION

Out of the entries the **EDP TECHNICAL COMMITTEE** has **NOMINATED** products for an EDP Award. At the EDP General Assembly end of March 2017 the EDP members made the final decision which product is being honoured with an **EDP AWARD**. Congratulations!



BEST DIGITAL CUTTING SYSTEMS



NOMINATED

Bulmmer

Bulmmer 5m Premiumcut

Cutting system with driven unwinding unit (incl. edge alignment, etc.) and synchronized rewinding unit with a working width up to 5 m. Used for Textiles, Banner, PVC, Vinyl, Mesh, Carpet, etc.

Trotec Laser

Trotec Laser SP2000

The SP2000 belongs to a series of large format industrial laser cutters. The working area of 1.68 x 2.51 m is perfectly suited to accommodate standard sheet size materials for digital print.

Zünd Systemtechnik Zünd 3.6 kW Routing System RM-L

THE WINNER

Zünd 3.6 kW Routing System RM-L

The router module RM-L with a powerful 3.6 kW spindle is the most efficient system for high-precision routing, polishing, and engraving. Designed for maximum performance, equipped with active water cooling. Efficient dust extraction ensures clean working conditions and quality. Thanks to the high-torque spindle, a wide range of materials, including wood, plastics, acrylics, foams, aluminium, aluminium composite material (ACM) and many more can be routed at unprecedented cutting depths and feed rates. A unique surface compensation system detects variations in material thicknesses, which guarantees proper depth settings for highly accurate engraving, hatching, v-grooving and drilling.



For great results in non-ferrous materials, Zünd offers an optional Minimal Quantity Lubrication (MQL) which applies a very small amount of lubricant directly onto the router bit.

Technical Committee's opinion:

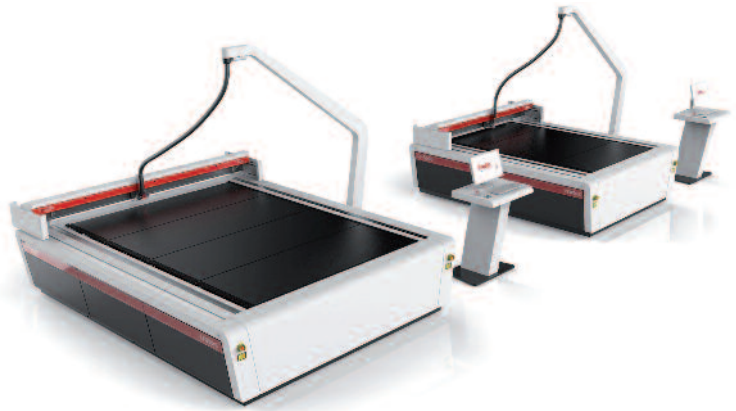
This tool makes the cutting table to a high performance router table for heavy materials. There is no longer a need for a separate routing table.

BEST LASER CUTTING SYSTEMS



NOMINATED

Trotec Laser
Trotec Laser SP2000



THE WINNER Trotec Laser SP2000

The SP2000 belongs to a series of large format industrial laser cutters and features several technological highlights: A precise mechanical guidance with up to 1 m/s speed and rigid designed drives allow a reliable and fast production. Due to the distinct and open designed V-shaped body, the working area is easy to access from all sides and allows economical loading even during processing. The 400 W laser class 2 system does

not require additional safety measures. All optics are completely air-flushed.

This provides maintenance-free and long life performance. The working area of 1.68 x 2.51 m is perfectly suited to accommodate standard sheet size materials for digital print. Additionally soft signage applications can be processed with a conveyor system and a roll-off unit.

Technical Committee's opinion:

The question was: Does it make sense to award a product which is part of a series and different only in its size? The jury therefore asked the EDP members and they agreed to honour this laser cutter with an EDP Award because of the proven technology and the features in this product.

BEST CUTSHEET FINISHING SOLUTION OFFLINE B2



NOMINATED

Highcon

Highcon Pulse

The Highcon Pulse digital cutting and creasing solution brings digital post-print to print service providers and converters with a seamless integration into existing B2 sheet size workflows.

Trotec Laser

Trotec Laser GS1200 Laser System

The GS1200 is an automated solution for high speed laser cutting and high volume paper finishing. With digital laser finishing (cutting, engraving, perforating, kiss-cutting), companies can add value to their print products by personalizing them with individual contents.

SEI Laser

SEI Laser PaperOne 5000



THE WINNER

SEI Laser PaperOne 5000

PaperOne 5000 is a technologically advanced system for digital converting and nishing of sheet materials. Specially designed for the packaging and graphic arts industry the system is the a modular laser based solution for real time die-cutting and creasing in max. sheet size of 530 x 750 mm and substrate ranges from 0,15 up to 0,6 mm. PaperOne 5000 can be configured according to the customer's needs either at the time of purchase or at any time: a wide range of options that can be field installed al-

lows to upgrade the system at a later date.

The system die-cuts and creases both sides of the sheet (front/back) depending on the graphic and design jobs required.

Technical Committee's opinion:

This is a very flexible and high quality modular laser system for die cutting and creasing of packaging and commercial prints. The system is available in 6 laser configurations and designed to meet even the most demanding production requirements.

BEST CUTSHEET FINISHING SOLUTION OFFLINE B1



NOMINATED

Highcon
Hichcon Beam



THE WINNER Hichcon Beam

The Highcon Beam digital cutting and creasing solution extends the digital finishing revolution to mainstream production. With a speed of up to 5,000 sheets per hour, this breakthrough machine was developed as a robust solution to the challenges facing folding carton converters and print service providers. The Highcon Beam replaces the expensive and slow conventional die-making and setup process with a digital technology that delivers improved responsiveness, design flexibility and the ability to perform a wide range of applications in-

house. The Highcon Beam takes digital cutting and creasing into a new dimension of value, to both your business and your customers.

Technical Committee's opinion:

The Digital cutting and creasing system at a speed of up to 5,000 B1 sheets per hour is impressive. The applications we saw at drupa deliver innovation and differentiation that converters, printers, and brand owners need.

BEST ENHANCEMENT SOLUTION OFFLINE

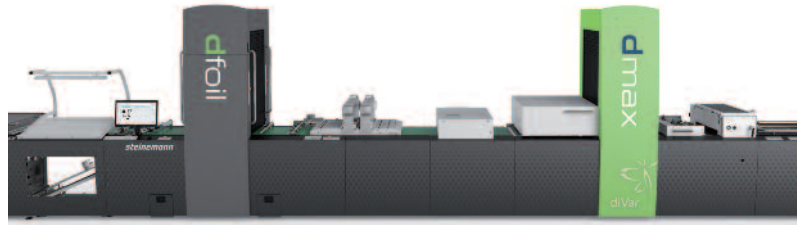


NOMINATED

Argos Solutions

Argos Solutions MK3

Digital spot coater. This one is B3, but there must be as well a A2 corater.



MGI

MGI JETvarnish 3D Evolution

The JETvarnish 3D Evolution and its iFOIL is the first digital spot UV coating, embossing an hot foiling solution for B1+ cut sheets (75 x 120 cm).

Steinemann Technology dmax/dfoil

THE WINNER

Steinemann dmax/dfoil

With innovative varnishing systems for the graphic industry, Steinemann Finishing belongs to the international leading manufacturers in print finishing. Whether spot or full flood, whether for envelopes, labels, brochures, posters, packages or other printed material: The varnishing systems of Steinemann guarantee highest quality, performance and efficiency for any purpose. The different models of two production ranges cover with their various options a very broad spectrum of performance and applications.

Technical Committee's opinion:

The dmax is the most productive digital enhancement solution today. Now it includes digital foiling module as option. The applications are impressive and fit into an industrial production.

There is no other digital enhancement system with this speed and quality in the market. Combining inkjet varnish and foil is a real spectacular solution.

ENTRIES

CONSUMABLES & SPECIALS

INKS, TONERS AND SUBSTRATES

The following descriptions are based on the statements of the EDP Awards competitors and are slightly edited for this publication. The descriptions are not an assessment and are not the opinion of the EDP Technical Committee.

INKS

Agfa Graphics

Agfa UV LED inks

UV ink for industrial piezo print-heads. Agfa's expertise in chemistry, color management and dispersion technology is the basic for the development and production of premium quality inkjet inks.

Mimaki Europe

Mimaki LUS-350 Ink

Mimaki LUS-350 is a stretchable ink suitable for a wide range of thermoforming applications, especially those requiring hardness and durability such as automotive parts. The LUS-350 ink will stretch up to 350% when heated to between 120°C - 200°C. After cooling to room temperature, the ink is restored, while securely adhering to the moulded product without cracking or peeling.

ENVIRONMENTAL INK / TONER

Eastman Kodak

NEXPRESS NX 3900

Digital production color press utilizing a 5th color station and environmental toners.

SPECIAL EFFECT INK / TONER

Eastman Kodak

NEXPRESS Opaque White

Digital production color press utilizing a 5th color station and Opaque White toner.

HP Inc.

HP Indigo Fluorescent Pink

Greeting cards, promotional collateral, posters, books, and magazines covers can be upgraded by fluorescence characteristics. The ink glows under UV light.

SPECIAL APPLICATION SUBSTRATE

Multiplot Europe

Glas A2 print

A glass-fibre fabric with a fire resistance coating. Can be printed with water based pigment inks.

Multiplot Europe

SubliFusion / Sublicotton

Sublifusion is a supplement for sublimation: You can create by using polyester based Subtlex CP110 as subcarrier between printed transfer paper and any fabric a wash and cratch resistance, breathable fabric. The sublimation inks is colouring the

Subtlex polyester and a special micro hot melt glue is bonding with the fabric.

Trotec Laser

Digital print series

Ink-receptive surface on a two-color acrylic substrate. Suitable to combine the process of digital printing, laser engraving and laser cutting. Digital print series allows to combine the processes of digital printing, laser engraving and laser cutting. The surface is pre-treated for superior ink adhesion. The core material is made of impact modified acrylic which makes it the perfect product for a combination of printing, laser engraving and laser cutting.

SPECIAL SOLUTION

JUST Normlicht

LED proofStation 20 SP

LED based standardized color viewing station with illuminants D50 and D65 for critical color assessment according to ISO 3664:2009, ISO 3664:2000 and ISO 3668. Continuously dimming without color shift and USB connection for soft proofing applications.

RESULTS

CONSUMABLES & SPECIALS

INKS, TONERS AND SUBSTRATES

Category	Product (*EDP member submission) in alphabetical order		Judging result
CONSUMABLES			
UV ink	Agfa	UV LED inks*	Winner
	Mimaki	LUS-350 ink	Nominee
Environmental ink / toner	Kodak	NEXPRESS ZX 3900	No Award
Special effect ink / toner	HP	Indigo ElectroInk Fluorescent Pink	No Award
	Kodak	NEXPRESS Opaque White	No Award
Special application substrate	Multiplot	Glas A2 print	Nominee
	Multiplot	SubliFusion / Sublicotton	Nominee
	Trotec Laser	Digital print series	Winner
OTHERS OR SPECIALS			
Special solution	JUST Normlicht	LED proofStation 20 SP	Winner

Nominee: This product was nominated for an Award.

No Award: This year is no Award in this category.

NOMINEES AND WINNERS

CONSUMABLES & SPECIALS

INKS, TONERS AND SUBSTRATES

Out of the entries the **EDP TECHNICAL COMMITTEE** has **NOMINATED** products for an EDP Award. At the EDP General Assembly end of March 2017 the EDP members made the final decision which product is being honoured with an **EDP AWARD**. Congratulations!



BEST INKS



NOMINATED

Mimaki Europe

Mimaki LUS-350 Ink

Mimaki LUS-350 is a unique, stretchable ink suitable for a wide range of thermoforming applications, especially those requiring exceptional hardness and durability such as automotive parts. The LUS-350 ink will stretch up to 350% when heated to between 120°C - 200°C. After cooling to room temperature, the ink is rigidity is restored, while securely adhering to the moulded product without cracking or peeling.

Agfa Graphics

Agfa UV LED inks



THE WINNER

Agfa UV LED inks

Agfa's expertise in chemistry, color management and dispersion technology is the basic for the development and production of premium quality inkjet inks. Agfa is a specialist in UV ink for industrial piezo printheads. The research and manufacturing center, located in Mortsel headquarters, builds on extensive knowledge and expertise in chemistry, color management and dispersion technology for the development and produc-

tion of premium quality inkjet inks.

Technical Committee's opinion:

Agfa managed to make an UV LED ink that gives nearly the same color-space as the traditional UV ink. Using this ink in a mixed environment with both printers with LED UV and traditional UV is easy.

These inks ennoble the printers Jeti Ceres RTR3200 LED, Anapurna H3200i LED and Jeti Mira LED which are explained at pages 16 and 17. The Award for the inks could be seen as an Award for the printers.

BEST SPECIAL APPLICATION SUBSTRATE



NOMINATED

Multiplot Europe

Glas A2 print

A glass-fibre fabric with a fire resistance coating. Can be printed with water based pigment inks.

Multiplot Europe

SubliFusion / Sublicotton

Sublifusion is a supplement for sublimation to create fabrics by using polyester based Subtex CP110 as subcarrier between printed transfer paper and any fabric. The sublimation inks is colouring the Subtex polyester and a special micro hot melt glue is bonding with the fabric.

Trotec Laser

Trotec Laser Digital print series



THE WINNER

Trotec Laser Digital print series

Ink-receptive surface on a two-color acrylic substrate. The surface is pre-treated for superior ink adhesion. The core material is made of impact modified acrylic which makes it the perfect product for a combination of printing, laser engraving and laser cutting. Metallic or colored surfaces can be integrated as part of the artwork. Trotec offers engravable plastic sheet products that are also print receptive.

The line is developed and designed for printing with UV and LED curing inks.

Technical Committee's opinion:

Suitable to combine the process of digital printing, laser engraving and laser cutting the substrate is a great solution for special applications.

BEST SPECIAL SOLUTION



NOMINATED

JUST Normlicht
LED proofStation 20 SP

THE WINNER

JUST Normlicht
proofStation 20 SP

LED based standardized color viewing station with illuminants D50 and D65 for critical color assessment according to ISO 3664:2009, ISO 3664:2000 and ISO 3668. UV content can be disabled for either illuminant. Continuously dimming without color shift and USB connection for soft proofing applications. With JUST LED technology, a mix of multiple colored LEDs, and system controls, this viewing solution has a more harmonious and complete light spectrum than ever before.



Technical Committee's opinion:

Great solution not only for digital printers. It is flexible in terms of standardization aspects and light which will be more and more important as well for digital printing in all the different applications.

EDP AWARDS 2016/2017
CONGRATULATIONS
AND THANK YOU

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

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