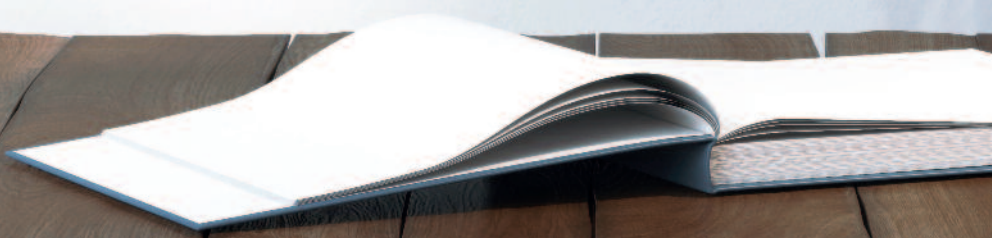


EDP REPORT

Technical Report
based on the EDP Awards
entries 2020



EDP AWARDS 2020





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

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

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EDP AWARDS QUALITY AND INNOVATION MARK

Year after year, and now for the 14th time, the European Digital Press Association (EDP), to which 21 trade magazines focusing on digital processes have joined, honours the best technological developments of the year with an EDP Award. These are selected very carefully according strict criteria. Thus the EDP Awards offer orientation and give a neutral recommendation for purchase decisions.

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

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

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

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

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

Prestigious and valuable

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

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

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

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

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

Win-win situation

Since 2007 the EDP Association has honored the best and newest products. Over the years almost 330 trophies were awarded to the best technologies and developments. This year again 29 trophies are awarded. I hope we made the right decisions.



In 2019 the EDP Association awarded 28 trophies in the respective categories. 2020 there are again 29 EDP Awards. Since 2017 the EDP Association has a new corporate design, a new logotype for the EDP Association, an own logo for the EDP Awards and new trophies, designed and produced with digital technologies.

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

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



Klaus-Peter Nicolay
President EDP Association

EDP Award Contest 2021

Within the next weeks we will prepare the EDP Awards 2021, meanwhile the 15th edition of the contest, and will invite companies as in the last years, to submit their products.

We still have to get a picture of what is possible in 2021, which events will take place and which dates may be relevant. We also want to plan an award ceremony for 2021. And we hope that the next competition will not be another hurdle race like this year.

NOT EVERYBODY IS A WINNER IT HAS TO BE DIFFERENT

The EDP Technical Committee is the institution of the EDP Association which performs the constituency-level work for the decisions about the EDP Award winners and whether there is generally an Award in a suitable category if the product warrants to be innovative, new and different.

Each product is different, each product has its benefits and it's downfalls, Each of the products has innovation and has to be new to the market. This is the starting point of the EDP Awards Judging.

Every company believes their product is the absolute winner and this makes the industry move for more innovation and to dare to be different. But in every competition there are questions about why and how, this is not a different with judging process of the EDP Awards.

We like to take the opportunity to explain the tasks of the EDP Technical Committee and the evaluation criteria.

From all submitted products, the Technical Committee nominates the favourites for each category for an award. The main criterion according to which the evaluations are carried out is innovation: Does the product contain a new technology, is it more efficient or does it change the working methods in a positive sense? Are there new functionalities, an increased variety of applications or materials? How user-friendly is the product? And is it even available in terms of linguistic diversity and geography? In addition, there is a question that arises again and again: Do the submitted products represent the view of the market?

For this reason, the EDP Association reserves the right to add, delete or combine categories during the judging process. However, the existence of a category does not necessarily mean that an award will be given. To complement technical trends, EDP members and their Technical Committee have the right to nominate products for the competition on their own initiative.

This year the judging was a bit different than in other years. As we all know COVID-19 hit the world right before the closure of the submissions.

This creates a challenge as a big number of products that were submitted would have been launched at Fespa 2020 Madrid, but could not be shown to the market due to the outbreak of the pandemic.

The jury however was able to inspect some of them and convince itself of their practical suitability for the markets they were entered in. These products will also be available on the market from May 2020. Some products are in the state of a prototype or have been presented as a beta version, the jury recommends that the latter participate again in the next year's competition.

Several interesting further product developments were submitted. As long as these further developments bring clearly recognizable additional, significant and completely new features, they will be considered by the jury. Adaptations (updates of software to a next higher version, larger or smaller machines of a basic model) with only insignificant further developments are not real innovations according to the jury's understanding

From all of the jury members, we wish you all the best in these difficult times and stay safe.

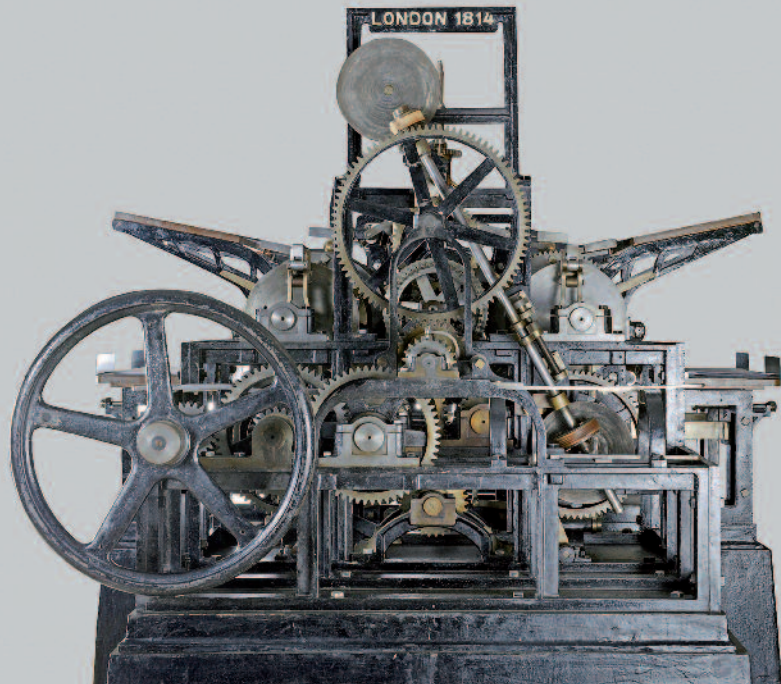


Mike Horsten

(Founder and MD, Zemt/ Texsmart Consultancy, the Netherlands)



YEAH, PRETTY NICE. BUT WE PREFER MORE CONTEMPORARY SOLUTIONS.



Every year, when the 21 European trade magazines joined together in the European Digital Press Association present the prestigious **EDP AWARDS**, the focus is on high-performance equipment for day-to-day use in production companies. That's why criteria such as **INNOVATION, PRODUCTIVITY** and **QUALITY** are essential for choosing the best current technologies. The EDP Awards thus provide orientation and a neutral recommendation for purchase decisions. www.edp-award.com



Even if important industry trade fairs have been postponed or cancelled: **The competition for the EDP AWARDS 2021 is proceeding with.** Because especially in times when direct comparisons of solutions in the digital production chain are complicated, a competition like the EDP Awards is more important than ever. When the contest will start is not yet certain, but it is a promise: EDP will continue to look for the best solutions.

EDP AWARDS CONGRATULATIONS

2020 have been interesting for the EDP jury members. With no trade shows, only virtual demos and many zoom meetings, it has been a challenge to determine the right winners in the many EDP categories.

I would like to thank all manufacturers that were helpful in supplying us with the extra needed information to judge the products without this extra effort would not be possible.

As we all know the EDP Awards are judged for many aspects, it's not only bringing a device or software to the market, but also the effect the product has on people and its users. The change it has generated in the market because of technology and the integration became an important part of the awards for 2020.

The products were judged not only for its innovation but also for a better price point, the ease of use or just a clever and exciting new tool that was added to current products.

The trends of the market and the needs of customers have also been taken in account this year. We believe the winners this year truly excel in their field with the solutions they offer to the market.

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



Herman Hartman
Chairman Technical
Committee
EDP Association

EDP Technical Committee

Chairman:

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

Members:

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

Mike Horsten
*(Founder and MD, Zemt/
Texsmart Consultancy,
the Netherlands)*

Back office:

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



FINALISTS AND WINNERS **SOFTWARE / HARDWARE**

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

ENTRIES

SOFTWARE / HARDWARE

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

LAYOUT, DESIGN AND EDITING SOFTWARE**Canon | Xpert v2.0**

Canon Xpert is a software application that assists in design and production of high-value applications. It avoids production stops, automates pre-press tasks, reduces waste through elimination of mistakes and creates receipts for repeating jobs.

Chili publish | Chili publisher

Chili publisher simplifies and automates how graphics are created. It simplifies the process by converting traditional graphics files into smart templates and providing users with no graphic training self-service access. It automates the creation of artwork by automatically building multiple variants, and by connecting to external data sources to eliminate content errors.

CloudLab AG | Liquid Layouts

Liquid Layouts is an AI-powered design tool with dynamic variability, enabling shop owners to offer dynamic design templates for parametric and shape-variable products. The design automatically adapts to the configured size of the product.

The shop owner is flexible, independent and no longer reliant on packaging design agencies or graphic artists.

Onyx | Onyx TruFit

Save valuable print production time and maximize media usage with shape-based nesting. Easily create complex nested layouts and reduce media usage by up to 50%.

COLOR MANAGEMENT**CGS | ORIS Spectral Toolkit**

CGS ORIS offers a solution that makes it very easy to enter the world of spectral color data and work with them. The CGS ORIS Spectral Toolkit can be seamlessly integrated to existing workflows and thanks to the CGS ORIS Color Cloud a fast and safe exchange of colors between brand owners, designers, ink manufacturers and printing companies (etc.) is guaranteed.

EFI | ColorGuard

EFI ColorGuard is a cloud-based colour verification solution that helps production managers schedule colour verification and calibration tasks and track actual results. ColorGuard is one of the EFI IQ web applications that standardises the verification

process to ensure consistent, accurate colour on Fiery Driven digital printers. It lets users create unique reference standards so they can measure colours with a custom reference or industry standards to keep colour on target.

EFI | Fiery Edge and Fiery Intensify

Fiery Edge is EFI's latest colour profiling technology that provides even more stunning results out of the box, and more user controls to get the very best results out of Fiery Driven printers and presses. Fiery Intensify is a rendering intent innovation that boosts colour, saturation, and intensity while protecting grey balance and natural-looking skin tones. Fiery Intensify is available when using Fiery Edge technology ICC profiles.

EFI | Fiery Spot Pro

With Fiery Spot Pro, print service providers can be confident that their brand colours are reproduced correctly, every time. The advanced spot colour management program features integrated tools that work towards four primary functions: ensuring brand consistency, building and managing spot colour libraries, ensuring colour-standard conformity,

ENTRIES

and duplicating, creating, and customizing spot colours.

Onyx | Onyx 19

Using Onyx 19, DeviceLink+ introduces automation controls for colour management. At the click of a button, apply ink savings across all existing media modes without the need to re-read in swatches or use a colour measurement device. In addition, Onyx 19 brings automation using QuickSets to fully automate Step and Repeat workflows from design file to print product. Onyx 19 includes a nest trim box to drastically reduce the time spent weeding print jobs, getting to sellable prints faster.

WORKFLOW TECHNOLOGY

Durst | Durst Workflow

Durst Workflow is a revolutionary All-In-One solution, which includes all steps of the prepress and production process in one single application. The Durst Workflow system offers a range of modules that can be expanded at any time and adapted to the requirements at hand. Utilizing its open interfaces, Durst Workflow aims to connect and auto-

mate the process flow from Sales and Pre-Press to the production floor. Durst Workflow is optimized to suit large format applications as well as label and packaging print products.

EFI | Fiery Command Workstation

Fiery Command WorkStation, the print job management interface for Fiery servers, makes printing more productive and powerful. It centralizes job management, connects to all Fiery servers on the network, and improves productivity. The intuitive interface simplifies job management, regardless of the user's level of experience.

EFI | Fiery Impose offline finishing integration

The Fiery Impose is a fully visual-imposition software that automates job submission. The program boosts production efficiency with the most intuitive PDF-based sheet imposition software on the market. The offline finishing integration of Impose – between Fiery DFEs and Duplo slit/cut/crease finishers or Duplo UV spot-coating devices – works to address one of the most significant bottlenecks that is also a big source of waste in almost every print production site.

EFI | Fiery JobFlow

Fiery JobFlow automates job preparation steps in prepress workflows to produce ready-to-print files. After a customer orders a print job online, Fiery JobFlow uses the ordering information to determine how to process the job. Once the job is handed over to the Fiery digital front end for printing, the DFE feeds status updates back to the storefront to keep the customer informed. This easy-to-use print workflow automation software increases productivity and reduces costs.

Kodak | Prinergy On Demand

Kodak Prinergy Workflow Software is the leading prepress automation solution with specific solutions for commercial and packaging applications. With Kodak Prinergy On Demand, each customer's virtualized Prinergy software is hosted and managed by Kodak; backed by Microsoft's highly available Azure Cloud environment. Kodak assumes responsibility for system administration, 24-hour security and monitoring, upgrades and problem resolution.

ENTRIES

Lacunasolutions | Spectra Proof

This brand new soft proofing software uses a spectral prediction algorithm. This enables the possibility to predict printing results for spot colour combinations. This is especially unique for blended and overprinted spot colours. The software takes advantage of wide gamut displays and spectral data (e.g. CXF data). Basic commenting tools and the ability to exchange soft proof with other users enables a simple soft proofing workflow.

Onyx | Onyx 19

See »Color management«.

WORKFLOW SOLUTIONS**Zünd | ZCC Workflow Solution – Label**

No specific description.

Zünd | ZCC Workflow Solution – Projector

No specific description.

Zünd | ZCC Workflow Solution – Robotic

No specific description.

E-COMMERCE SOLUTIONS**Chili publish | Chili publisher**

See »Layout, design and editing software«.

CloudLab | Liquid Layouts

See »Layout, design and editing software«.

MIS / ERP SYSTEMS**Dataline | MultiPress e-calculator**

The boost in e-commerce platforms for print requires more advanced solutions. Instead of a standard static online price list, the e-calculator uses a completely dynamic approach. All variables in the MultiPress MIS/ERP system are always centrally updated and translated in real-time to the online price calculation. Based on the current and dynamic information on all variables in the complete production process – ranging from the daily price of substrates to the available machine capacity – the user is immediately and without further intervention offered the most efficient production method and delivery time, as well as the most up to date price.

SOFTWARE AUTOMATION TOOLS**Dataline | MultiPress e-calculator**

See »MIS / ERP System«.

EFI | JobExpert

Fiery JobExpert is a breakthrough new technology that analyses incoming PDF files and dynamically selects the best print settings to achieve the highest quality, while optimizing production time. It analyses each PDF print job in detail, and sets the optimal Fiery job settings for colour management, image quality, VDP settings, and engine specific properties. Fiery JobExpert reduces setup time, enables faster processing, and cuts waste.

EFI | MarketDirect PackCentral

With EFI's MarketDirect PackCentral online customer ordering portal, packaging professionals can digitally transform their businesses and grow profitability through new revenue streams and reduced sales and administrative costs. Keeping customers top of mind, PackCentral allows packaging and corrugated service providers to increase value for the brands they serve by streamlining their end-to-end workflows while also providing future-ready

ENTRIES

features like SmartBox Designer, a new 3D tool that gives users the power to create, customize and visualize folding carton and corrugated box designs entirely online.

Onyx | Onyx 19

See »Color management«.

SPECIAL APPLICATION SOFTWARE

Canon | Xpert v2.0

See »Layout, design and editing software«.

CloudLab | Liquid Layouts

See »Layout, design and editing software«.

EFI | FreeForm Create

Fiery FreeForm Create is a free, stand-alone variable data printing (VDP) application that enables quick and simple personalisation. It can handle the majority of personalisation functions, such as variable text, images, or barcodes, with just a few clicks, making it the ideal application for VDP novices and seasoned veterans alike.

Onyx | Onyx Hub 2.0

Onyx Hub is the only specific to wide-format business intelligence

tool that provides real-time and historic data plus actual job costs in an intuitive dashboard to make data based business decisions to improve print shop efficiency. Onyx Hub 2.0 brings data protection with secure server encryption, new user account controls and streamlined job submission from a central location to improve print processes and reduce manual error across an entire site.

PRINT AND FINISHING SUPPORT TOOLS

Bobst | Large Format Digital Inspection Table (DIT)

The Large Format Digital Inspection Table (DIT) is a premium Bobst Digital Quality Control Solution, extending the DIT Solution Family. The Large Format DIT closes the loop between original Artwork and final Quality Control before committing to volume production, thereby improving business outcomes and strengthened relationships between the Converter and the Brand Owners. The Large Format DIT features Quad 4K Laser projectors, Quad D50 light strips for the highest possible quality projection and brightness. It enables quality control on max sheet sizes of 2.800 x 1.600 mm, enhanced digital reporting and

analysis, further improved digital WARP checks, and photographic records of quality checks.

Canon | Arizona Xpert (Engine + Extensions)

The Arizona Xpert Engine is an Onyx Thrive Add-on that supports Production staff (production managers and operators) in producing a broad range of high-value applications by combining the capabilities of Arizona printers and, optionally, ProCut cutters. The Arizona Xpert Extensions software supports the designer in creating high-value applications. Artwork created by designers complies to the requirements of the print shop, thus reducing communication overhead.

Zünd | ZCC Workflow Solution – Label

No specific description.

Zünd | ZCC Workflow Solution – Projector

No specific description.

Zünd | ZCC Workflow Solution – Robotic

No specific description.

RESULTS

SOFTWARE / HARDWARE

Category	Company	Product	Judging results
Layout, design and editing			
	Canon	Xpert v2.0	Nominee
	Chili Publish	Chili Publisher	Award Winner 2020
	CloudLab	Liquid Layouts	Finalist
	Onyx	Onyx TruFit	Finalist
Color management			
	CGS	ORIS Spectral Toolkit	Finalist
	EFI	ColorGuard	Nominee
	EFI	Fiery Edge and Fiery Intensify	Finalist
	EFI	Fiery Spot Pro	Nominee
	Onyx	Onyx 19	Award Winner 2020
Workflow technology			
	Durst	Durst Workflow	Award Winner 2020
	EFI	Fiery Command Workstation	Finalist
	EFI	Fiery Impose offline finishing	Finalist
	EFI	Fiery JobFlow	Finalist
	Kodak	Prinergy on demand	Finalist
	Lacunasolutions	Spectra Proof	Next year
	Onyx	Onyx 19	Nominee
Workflow solutions			No Award in 2020
	Zünd	ZCC Workflow Solution – Label	Next year
	Zünd	ZCC Workflow Solution – Projector	Next year
	Zünd	ZCC Workflow Solution – Robotic	Next year
E-Commerce solutions			No Award in 2020
	Chili publish	Chili publisher	Finalist
	CloudLab	Liquid Layouts	Finalist
MIS / ERP systems			
	Dataline	MultiPress e-calculator	Award Winner 2020

RESULTS

SOFTWARE / HARDWARE

Category	Company	Product	Judging results
Software automation tools			No Award in 2020
	Dataline	MultiPress e-calculator	Nominee
	EFI	Fiery JobExpert	Finalist
	EFI	MarketDirect PackCentral	Finalist
	Onyx	Onyx 19	Nominee
Special application software			
	Canon	Xpert v2.0	Nominee
	CloudLab	Liquid Layouts	Finalist
	EFI	FreeForm Create	Award Winner 2020
	Onyx	Onyx Hub 2.0	Nominee
Robotics			No Award in 2020
	Zünd	ZCC Workflow Solution – Robotic	Next year
Print and finishing support tools			
	Bobst	Large Format Digital Inspection Table	Award Winner 2020
	Canon	Arizona Xpert (Engine + Extensions)	Nominee
	Zünd	ZCC Workflow Solution – Label	Next year
	Zünd	ZCC Workflow Solution – Projector	Next year

* EDP member submission.

(•) New or changed category.

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

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

No Award in 2020: The jury did not suggest an award for this category this year.

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

LAYOUT, DESIGN AND EDITING

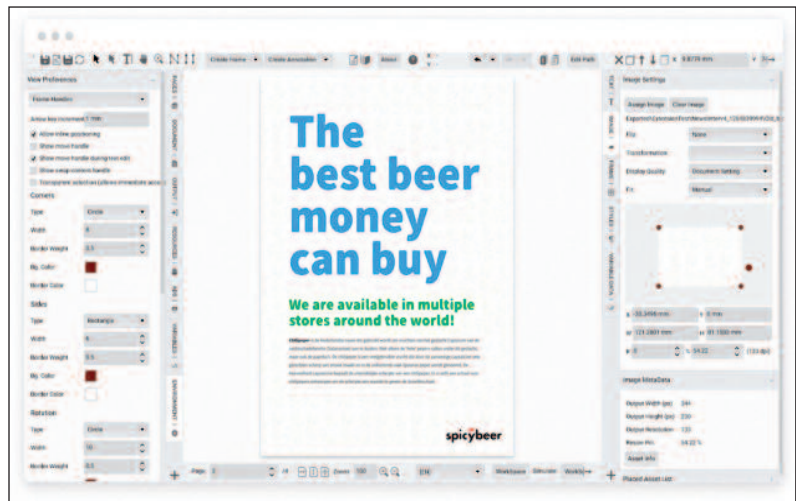


FINALISTS

Chili publish | Chili publisher

CloudLab | Liquid Layouts

Onyx | Onyx TruFit



Looking for an original approach to the creation of artwork that makes a standard and eliminates workflow errors is something we have all been waiting for. The different approaches made it clear we are on the right path. The use of templates is a strong direction to automation.

THE WINNER

Chili publish | Chili publisher

Chili publisher simplifies and automates how graphics are created. It simplifies the process by converting traditional graphics files into smart templates and providing users with no graphic training self-service access.

It automates the creation of artwork by automatically building multiple variants, and by connecting to external data sources to

eliminate content errors.

Looking for an original approach to the creation of artwork that makes a standard and eliminates workflow errors is something we have all been waiting for.

The different approaches made it clear we are on the right path. The use of templates is a strong direction to automation.

Technical Committee's opinion:

This nice and uncomplicated online design tool

makes it possible to use the same design rules on different kind of communication expressions. This tool offers a next step in the world of workflow automation. With the use of templates, enforcing the corporate identity rules in various designs can be maintained without the involvement of designers or any knowledge of the user.

› www.chili-publish.com

COLOR MANAGEMENT



FINALIST

CGS | ORIS Spectral Toolkit

EFI | Fiery Edge and Fiery Intensify

Onyx | Onyx 19



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

THE WINNER

Onyx | Onyx 19

Using Onyx 19, Device-Link+ introduces automation controls for colour management. At the click of a button, apply ink savings across all existing media modes without the need to re-read in swatches or use a colour measurement device. In addition, Onyx 19 brings automation using QuickSets to fully automate Step and Repeat

workflows from design file to print product. Onyx 19 includes a nest trim box to drastically reduce the time spent weeding print jobs, getting to sellable prints faster.

Technical Committee's opinion:

The jury was impressed with the new DeviceLink+ feature, it gives an easy way to colour connect multiple devices and substrates. Working with a system that takes out the need of reading new

swatches to link devices saves time and effort. (if the devices have been profiled) The DeviceLink+ gives Onyx not only good colour capabilities across the range of supported printers it also allows the user to have proofing and simulation capabilities for printers and substrates. DeviceLink+ keeps the saturation of colours across the platforms the same, if the ink densities allow it.

› www.onyxgfx.com

WORKFLOW TECHNOLOGY



FINALISTS

Durst | Durst Workflow

EFI | ColorGuard

EFI | Fiery Edge and Fiery Intensify

EFI | Fiery JobFlow

Kodak | Prinergy on demand



Workflow solutions are becoming more and more the standard in a printing environment. With the installation of a workflow system the customer and manufacturer can control the total process better and more efficient. All submissions had the same approach to make life easier.

THE WINNER

Durst | Durst Workflow

Durst Workflow is a All-In-One solution, which includes all steps of the pre-press and production process in one single application. The Durst Workflow system offers a range of modules that can be expanded at any time and adapted to the requirements at hand. Utilizing its open interfaces, Durst Workflow aims to connect and auto-

mate the process flow from Sales and Pre-Press to the production floor. Durst Workflow is optimized to suit large format applications as well as label and packaging print products.

Technical Committee's opinion:

This browser-based workflow solution combines data preparation, colour management and output preparation in one tool. The modern and easy to use interface allows multi-

ple users with customizable permissions to work in parallel on the same database. Although Strong Durst oriented it works well and has an integrated rip (Harlequin) that offers multiple production jobs to be ripped at the same time. Durst also offers multiple API external connections to integrate into a MIS/ERP system.

› www.durst-professional-services.com

MIS / ERP SYSTEMS



FINALISTS

Dataline | MultiPress e-calculator



MIS systems are needed in the market today to see what is going on in the printing company, from the cost calculations to the shipping of a product to the right customers. Integration of MIS systems from the work floor to the financial systems is highly desirable. The availability is abundant but the technology advances are not as fast as one would like.

THE WINNER Dataline | MultiPress e-calculator

The boost in e-commerce platforms for print requires more advanced solutions. Instead of a standard static online price list, the e-calculator uses a completely dynamic approach. All variables in the MultiPress MIS/ERP system are always centrally updated and translated in real-time to the online price calculation. Based on the current and dynamic information on all variables in the

complete production process – ranging from the daily price of substrates to the available machine capacity – the user is immediately and without further intervention offered the most efficient production method and delivery time, as well as the most up to date price.

Technical Committee's opinion:

Ideal software to make your bottoms up calculations direct in your e-commerce system. The

E-calculator gives customers the ability to use custom orders, size, paper type and many more options. All these options are available to the user if allowed. The software calculates the cost and the delivery time in real time allowing for the vendor to put and use dynamic pricing structures based on production space. The jury noticed the speed of the system was very fast.

› www.dataline.eu

SPECIAL APPLICATION SOFTWARE



FINALIST

Efi | FreeForm Create



THE WINNER

Efi | FreeForm Create

Fiery FreeForm Create is a free, stand-alone variable data printing (VDP) application that enables quick and simple personalisation. It can handle the majority of personalisation functions, such as variable text, images, or barcodes, with just a few clicks, making it the ideal application for VDP novices and seasoned veterans alike.

Technical Committee's opinion:

Fiery FreeForm Create is a free, stand-alone variable data printing (VDP) application that enables quick and simple personalization. Between the most important new features - preservation of variable data field mapping (it saves time and labour); flexible spot colour support by using of pre-populated spot colour libraries from Pantone, Toyo, HKS, or DIC (important for brand owners); collapsing

empty fields found in the data source. This instrument helps to effectively generate more value for the customers of digital printing.

› www.efi.com



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Even if important industry trade fairs have been postponed or cancelled: **The competition for the EDP AWARDS 2021 is proceeding with.** Because especially in times when direct comparisons of solutions in the digital production chain are complicated, a competition like the EDP Awards is more important than ever. When the contest will start is not yet certain, but it is a promise: EDP will continue to look for the best solutions.

PRINT & FINISHING SUPPORT TOOLS



FINALIST

Bobst | Large Format Digital Inspection Table



Better control and thus more reliable production results are prerequisites for lean and cost-effective production. It is becoming increasingly rare for this to be achieved only with hardware or software. Intelligent combinations provide attractive solutions.

THE WINNER

Bobst | Large Format Digital Inspection Table

The Large Format Digital Inspection Table (DIT) is a Quality Control Solution that closes the loop between original Artwork and final Quality Control before committing to volume production, thereby improving business outcomes and strengthened relationships between the Converter and the Brand Owners. The DIT features Quad 4K Laser projectors,

Quad D50 light strips for the highest possible quality projection and brightness. It enables quality control on max sheet sizes of 2.800 x 1.600 mm, enhanced digital reporting and analysis, further improved digital WARP checks, and photographic records of quality checks.

Technical Committee's opinion:

The jury was impressed about the new and different way to look at an inspection table. With the

overhead projection of 4K imaging on a table (2.800 x 1.600mm max sheet size) where the inspection can be done visually under D50 lighting conditions. From ensuring constant quality, to the checking if the crease and cut lines are in the right position, the DIT offers it all. The intelligent WARP control makes the that this tool is very useful in packaging, flexo and other high end production systems.

› www.bobst.com



FINALISTS AND WINNERS
PRINTING SYSTEMS
LARGE/WIDE FORMAT PRINTING

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

ENTRIES

PRINTING SYSTEMS

LARGE/WIDE FORMAT PRINTING

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

ROLL-TO-ROLL PRINTER UP TO 170 CM

Canon | Océ Colorado 1650

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

Mimaki | UJV100-160

Recently announced in March 2020, the UJV100-160 aims to offer Mimaki's advanced UV print technology at a more competitive price and will definitely set a new standard in affordable UV LED printing. The machine features Dot Adjustment System (DAS), a new function for automatic print calibration and media feed adjustment. The UJV100-160 also features 2-layer printing with white ink and high resolution printing up to 1.200 dpi. Outdoor and indoor signage, backlit graphics, floor and window graphics, exhibition and display graphics, and more!

Mutoh | XpertJet 1641SR / 1682SR

Suited for the widest range of indoor and long term outdoor Sign &

Display graphics, the all new XpertJet 1641SR / 1682SR printer model is the successors of Mutoh's multi-awarded ValueJet 1624X and 1638X. The printer brings multiple product enhancements and pioneering innovative features to Sign & Display print professionals.

ROLL-TO-ROLL PRINTER UP TO 320 CM

Agfa | Oberon RTR3300

The Oberon RTR3300 covers significant media diversity and a wide range of applications, including mesh and backlit prints. This enables you to execute all your customers creative wishes, while also inspiring them to explore new directions.

Mimaki | SWJ-320EA

The Mimaki SWJ-320EA is one of the most competitively 3,2 m super-wide format solvent printers in the market. With proven Mimaki quality and packed with Mimaki core technologies such as MAPS and NRS, this solvent printer features print speeds up to 137 sqm/h, high resolution up to 1.200 dpi, twin-roll printing and an optional air purifier unit for a more environmentally-friendly workspace. Indoor and outdoor signage, exhibition and display

graphics, floor and window graphics, retail PoS and more!

ROLL-TO-ROLL PRINTER > 320 CM

EFI | Vutec D Series

The EFI Vutec D Series consists of two advanced roll-to-roll LED printers, the EFI Vutec D3r and the D5r. These printers were created especially for the industrial printing demands of high-quality volume producers with the ability to produce a wide range of applications, from indoor closely viewed graphics to fleet graphics, car wraps and truck-side curtains. With native 7 pl UltraDrop Technology, these printers deliver true 1.200 dpi resolution and offer many value-added options, such as inline cutting and slitting, automatic double-sided printing, media handling accessories, and more.

FLATBED/HYBRIDE PRINTER UP TO 100 SQM/H

Canon | Arizona 2300 Series

The Arizona 2300 series consists of true flatbed printers based on UV-curable ink. Quick, reliable and low-maintenance, the latest Arizona

ENTRIES

printer provides the optimum in print quality and versatility for both rigid and flexible media applications.

Mimaki | JFX200-2513 EX

Building on the success of previous JFX200 models, the JFX200-2513 EX defines the next generation in large flatbed LED UV printing. Incorporating Mimaki's new 3D print technology, the machine simplifies multiple layer printing into a few steps by introducing the 2.5D Texture Maker feature, where Mimaki's Rasterlink RIP software automatically creates up to 17 layers based on just one grey-scale image.

FLATBED/HYBRIDE PRINTER UP TO 250 SQM/H

EFI | Pro 30f

Launched at Fespa 2019, the EFI Pro 30f flatbed printer was designed with a large 3.05 x 2.05-meter bed and is the first EFI printer to give users the ability to print on media up to 10 cm (4 inches) thick. It provides commercial printers and sign shops with more application possibilities with four colours plus dual channels of white standard and multi-layer printing.

EFI | Vutek 32h

The 3.2-metre EFI Vutek 32h LED hybrid inkjet printer, launched in the fourth quarter of 2019, is a versatile solution that can print on materials up to 5.08-cm thick in resolutions of true 600 or 1.000 dpi. It features eight colours plus white and the ability to do multi-layer printing in a single pass, as well as optional clear ink.

Ricoh | Pro TF6250

The Ricoh Pro TF6250 UV flatbed printer allows print service providers to tap into the profitable sign and graphics market by printing quickly and efficiently onto substrates of up to 11cm thick. Industry-leading productivity and versatility supports client base expansion with applications such as short-run packaging, promotional products and interior décor.

FLATBED/HYBRIDE PRINTER > 250 SQM/H

Durst | Rho 2500

With the introduction of the Rho 2500 Series, an evolution of the Rho 1300 Series, a new standard in resolution and modularity was defined in its class. The new 8 pl printheads allow higher resolution, finer prin-

ting quality and excellent sharpness. The modular system of three different versions enable a flexible printer setup with upgrade possibilities at any time.

PRINT & CUT SOLUTION

Roland DG | VersaUV LEC2-300

The VersaUV LEC2-300 is a streamlined UV printer/cutter device. It does the job of multiple devices by directly printing, cutting, creasing and embossing card, film and other materials in one seamless workflow to respond to clients' diverse needs, delivering on-demand and on time.

Zünd | Press Cutting Tool – PCT

See »Print & finishing solution«.

OBJECT PRINTER

Mutoh | XpertJet 461UF / 661UF

The XPJ-461UF and XPJ-661UF printers will respond to the increasing demand for added value personalised prints and bespoke small-lot production of commercial and industrial print applications. Typical applications encompass prints on phone covers, personalised gifts, photo products, promotional items, small series production or prototyping of

ENTRIES

packaging samples etc. Both printers can be setup in either CMYK or in CMYK + White + Varnish configuration and are suited for direct printing onto a wide variety of materials including three dimensional objects up to 15 cm thick.

SPECIAL APPLICATION PRINTER**Roland DG | VersaUV LEC2-300**

See »Print & cut solution«.

TEXTILE PRINTER ROLL-TO-ROLL UP TO 100 SQM/H**ColorJet | SubliXpress**

ColorJet SubliXpress is India's fastest ROI 1.6 m sublimation printer. Equipped with up to 4 industrial-quality Kyocera printheads, SubliXpress prints variable inkjetting intensities between 4 - 72 pl. With print capacity of 4.000 sqm/day, SubliXpress enables textile print business to obtain high volume output with single printer.

Mimaki | Tx300P-1800 MkII

Uniquely designed with versatility at its core, the Mimaki Tx300P-1800 MkII enables both direct-to-textile and transfer printing. To switch from textile to paper printing is really easy

– just exchange the platens. With this hybrid technology, the printer can be equipped with two types of ink and customers can choose between 3 combinations: textile pigment/sublimation ink, direct sublimation/sublimation transfer, and textile pigment/direct sublimation.

Mutoh | XpertJet 1641SR / 1682SR

See »Roll-to-roll printer up to 170 cm«.

TEXTILE PRINTER ROLL-TO-ROLL > 100 SQM/H**Aleph | LaForte 200/400**

Print on a wide selection of fabrics with maximum resolution of 1.200 dpi and optimal results: polyester, cotton, viscose, silk, spandex, wool, canvas and much more.

Mtex | Dragon

An industrial transfer paper printer with high speed and quality, specifically developed for sublimation paper. Dragon manages 274 sqm/h while maintaining a resolution up to 720 dpi thanks to its mechanical structure. Designed to print onto the thinnest of transfer papers, the Dragon features innovative Mtex technology.

Mtex | Falcon

Mtex Falcon has a fully automated feeder, transport and take up system controlled by motion and air pressure. This will assure the use of any fabric, under the specs of Mtex Falcon, being able to be printed with quality and speed. Special head assembly combines and gives the flexibility of high quality print, wider colour gamut and speed.

TEXTILE PRINTER DIRECT TO GARMENT**Ricoh | Ri 1000**

Expanding business horizons, Ricoh's Ri 1000, prints vibrant soft-touch graphics on a wide range of garments and textiles. Versatile and productive, it uses variable drop size and CMYK + white pigment inks to print high resolution graphics onto light and dark coloured fabrics.

Roland DG | Texart XT-640S-DTG

The new Texart XT-640S-DTG is a multi-station, direct-to-garment printer which prints full-colour graphics directly onto cotton-based T-shirts and apparel, quickly and colourfully.



YEAH, PRETTY NICE. BUT WE PREFER MORE CONTEMPORARY SOLUTIONS.



Every year, when the 21 European trade magazines joined together in the European Digital Press Association present the prestigious **EDP AWARDS**, the focus is on high-performance equipment for day-to-day use in production companies. That's why criteria such as **INNOVATION, PRODUCTIVITY** and **QUALITY** are essential for choosing the best current technologies. The EDP Awards thus provide orientation and a neutral recommendation for purchase decisions. www.edp-award.com



Even if important industry trade fairs have been postponed or cancelled: **The competition for the EDP AWARDS 2021 is proceeding with.** Because especially in times when direct comparisons of solutions in the digital production chain are complicated, a competition like the EDP Awards is more important than ever. When the contest will start is not yet certain, but it is a promise: EDP will continue to look for the best solutions.

RESULTS

PRINTING SYSTEMS

LARGE/WIDE FORMAT PRINTING

Category	Company	Product	Judging results
Roll-to-roll printer < 170 cm			
	Canon	Océ Colorado 1650	Finalist
	Mimaki	UJV100-160	Award Winner 2020
	Mutoh	XpertJet 1641SR / 1682SR	Finalist
Roll-to-roll printer < 320 cm			
	Agfa	Oberon RTR3300	Award Winner 2020
	Mimaki	SWJ-320EA	Finalist
Roll-to-roll printer > 320 cm			
	EFI	Vutek D Series	Award Winner 2020
Flatbed/hybrid printer < 100 sqm/h			
	Canon	Arizona 2300 Series	Finalist
	Mimaki	JFX200-2513 EX	Finalist
Flatbed/hybrid printer < 250 sqm/h			
	EFI	Pro 30f	Finalist
	EFI	Vutek 32h	Award Winner 2020
	Ricoh	Pro TF6250	Finalist
Flatbed/hybrid printer > 250 sqm/h			
	Durst	Rho 2500	Award Winner 2020
Print & cut solution			
	Roland DG	VersaUV LEC2-300	Award Winner 2020
	Zünd	Press Cutting Tool – PCT	Next year
Object printer			
	Mutoh	XpertJet 461UF / 661UF	Award Winner 2020

RESULTS

PRINTING SYSTEMS

LARGE/WIDE FORMAT PRINTING

Category	Company	Product	Judging results
Special application printer			No Award in 2020
	Roland DG	VersaUV LEC2-300*	Finalist
Textile printer roll-to-roll < 100 sqm/h			No Award in 2020
	Colorjet	SubliXpress*	Nominee
	Mimaki	Tx300P-1800 MkII	Nominee
	Mutoh	XpertJet 1641SR / 1682SR*	Nominee
Textile printer roll-to-roll > 100 sqm/h			
	Aleph	LaForte 200 / 400*	Nominee
	Mtex	Dragon*	Finalist
	Mtex	Falcon*	Award Winner 2020
Direct to garment printer			
	Ricoh	Ri 1000	Finalist
	Roland	Texart XT-640S-DTG	Award Winner 2020

* EDP member submission.

(•) New or changed category.

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

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

No Award in 2020: The jury did not suggest an award for this category this year.

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

ROLL-TO-ROLL PRINTERS < 170 CM



FINALISTS

Canon | Océ Colorado
1650

Mimaki | UJV100-160

Mutoh | XpertJet
1641SR / 1682SR



In the many options offered in this segment the quality and speeds are a big factor as the cost per print becomes lower every time.

THE WINNER

Mimaki | UJV100-160

UJV100-160, a roll-to-roll UV-curable inkjet printer available to sign makers in countries outside of the EU. Developed for these markets, this latest addition to Mimaki's extensive product portfolio is designed for high quality printing and maximum productivity. Featuring two newly developed printheads and the new DAS (Dot Adjustment System) feature, the UJV100-160 is a

robust and efficient solution for sign makers. DAS automates conventional dot placement (dot position and feeding correction) for maximum image quality, saving operators time and reducing manual errors.

Technical Committee's opinion:

Mimaki offers a price breaking 160cm device with UV printing speeds up to 28sqm. This printer offers not only CMYK but has also the option to in-

stall white and clear inks. The printer is ideal for entry level printing (available only outside the EU when submitted). The new innovative system helps to maintain the quality because of the control of dot placement and media feeding, one of the most common errors in inkjet printing. The UJV100-160 is an excellent entry level printer with many features of the larger Mimaki printers.

› www.mimaki.com

ROLL-TO-ROLL PRINTERS < 320 CM



FINALISTS

Agfa | Oberon RTR3300

Mimaki | SWJ-320EA



The 3.2 meter market is expanding rapidly with many players. Almost every manufacturer now has a solution in this segment. The 3.2 market is offered in UV, Solvent and water-based inks. Today the speed and quality matches the small large format printing devices.

THE WINNER Agfa | Oberon RTR3300

The Oberon RTR3300 is a dedicated 3.3 m high-end roll-to-roll machine that combines productivity and quality with an extensive media scope and a unique ease of use.

The Oberon RTR3300 covers significant media diversity and a wide range of applications, including mesh and backlit prints. This enables you to execute all your customers' creative wishes, while also

inspiring them to explore new directions.

Technical Committee's opinion:

This sturdy and reliable wide format air cooled LED printer comes in a CMYK plus white and a six colour version. (All inks are Green Guard Gold certified) Powered by the Asanti Rip solution and filled with new flexible Agfa UV inks. The printer is capable of giving good solids in the difficult colours like Red and Black. The

dual-roll option is capable of handling two rolls each up to 1.6 meters wide offers extra productivity. A number of smart features optimize the media use are included in the system. Also unique is the water cooled printing table that keeps the print zone at room temperature. Price performance of this printer makes it a good all round 3.2m solution.

› www.agfa.com

ROLL-TO-ROLL PRINTERS > 320 CM



FINALISTS

EFI | Vutek D Series



The only submission in this category but still a formidable piece of equipment.

THE WINNER EFI | Vutek D Series

The EFI Vutek D Series consists of two advanced roll-to-roll LED printers, the EFI Vutek D3r and the D5r. These printers were created especially for the industrial printing demands of high-quality volume producers with the ability to produce a wide range of applications, from indoor closely viewed graphics to fleet graphics, car wraps and truck-side curtains.

With native 7 pl UltraDrop Technology, these printers deliver true 1.200 dpi resolution and offer many value-added options, such as inline cutting and slitting, automatic double-sided printing, media handling accessories, and more.

Technical Committee's opinion:

EFI managed to create the fast and very flexible wide format midrange 3- and 5-meter roll-to-roll printer on the market, packed

with valuable features - form selection of print quality modes for indoor and outdoor applications to useful options for spot gloss and matte varnish and vast abundance of printing and post printing options. These printers are equipped with the Cool LED curing system, it will be good fit for environmentally friendly and cost aware digital shops.

› www.efi.com

FLATBED/HYBRID PRINTER < 250 SQM/H



FINALISTS

EFI | Pro 30f

EFI | Vutek 32h

Ricoh | Pro TF6250



Hybrid printers are becoming more and more the standard in the market. The reason is simple the flexibility offered is large and the options are needed in fast changing environments.

THE WINNER EFI | Vutek 32h

The 3.2-metre EFI Vutek 32h LED hybrid inkjet printer is a versatile solution that can print on materials up to 5.08-cm thick in resolutions of true 600 or 1000 dpi. It features eight colours plus white and the ability to do multi-layer printing in a single pass, as well as optional clear ink. Precision printing with UltraDrop Technology 7 pl grayscale printheads and

eco-friendly EFI LED »cool cure« technology opens doors for signs and display graphics producers to get into high-volume, high-quality production level printing.

Technical Committee's opinion:

Very fast hybrid wide (3,2 m) printer can print up to 60 - 1.4 m x 2.8 m boards per hour. With 7pl print-head, up to 1000 dpi resolution and small footprint this printer has 8-color plus white

configuration and it uses LED curing. It's also can feed boards continuously and print on two rolls. Bi-directional communication capability between the fast Fiery DFE and printer increases workflow efficiencies.

› www.efi.com

FLATBED/HYBRID PRINTER > 250 SQM/H



FINALISTS

Durst | Rho 2500



Pure flatbed printers are essential to the production of boards and ridged materials. There are few new products introductions this year.

THE WINNER Durst | Rho 2500

With the introduction of the Rho 2500 Series, an evolution of the Rho 1300 Series, a new standard in resolution and modularity was defined in its class. The new 8 pl printheads allow higher resolution, finer printing quality and excellent sharpness. With the Variodrop Printing Technology it is possible to print in different resolutions and drop sizes.

The modular system of three different versions (Durst Rho 2500 S, M, L) enable a flexible printer setup with upgrade possibilities at any time.

Technical Committee's opinion:

The Durst Rho 2500 brings us to the next stage of high speed printing with multi-pass systems and 8pl drops, while preserving 1000 dpi quality. This modular system can be supplied in various configurations, whereby the

integration of the in-house developed Durst Workflow Print Production and Durst Analytics increases the overall productivity. Max speeds is up to 1200sqm/380 boards (122x255cm) per hour.

› www.durst-group.com

PRINT & CUT SOLUTION



FINALISTS

Roland DG | VersaUV
LEC2-300



Entry level markets are dominating the new print and cut solutions. Growing and renewing the established user base is a priority for many companies. Although only a few new products were introduced we still have a winner.

THE WINNER Roland DG | VersaUV LEC2-300

The VersaUV LEC2-300 is a streamlined UV printer/cutter device. It does the job of multiple devices by directly printing, cutting, creasing and embossing card, film and other materials in one seamless workflow to respond to clients' diverse needs, delivering on-demand and on time.

Technical Committee's opinion:

The concept to bring multiple worlds together, print & cut with a UV printer is not new but the ability to use easy templates for example Covid19 applications are included in the box. The VersaUV also includes the possibility to print 2x CMYK or CMYK, white and clear and is able to have embossing textures by printing in multi-pass. Customers have the ability to design their own embossing textures. One

of the features that we like is the option to be able to crease and cut with the same printer, giving it a full workflow for many smaller runs, like card printing and specials. Spot finishing is also possible with the clear UV ink. The completeness of the offering and the small footprint brings this printer to a higher level.

› www.rolanddg.com

OBJECT PRINTER



FINALIST

Mutoh | XpertJet 466UF /
661UF



The only submission in this category. Typical applications encompass prints on phone covers, personalised gifts, photo products, promotional items, small series or prototyping of packaging samples etc.

THE WINNER

**Mutoh | XpertJet 461UF /
661UF**

The printers respond to the increasing demand for added value personalised prints and bespoke small-lot production of commercial and industrial print applications. Both printers can be setup in either CMYK or CMYK + White + Varnish configuration and are suited for direct printing onto a wide variety of materials including three dimensional objects up to 15 cm thick.

Technical Committee's opinion:

The Next gen Mutoh object printer with a bigger size table. The totally new chassis to make this printer more robust and industrial have caught the attention of the jury. Features like the automatic leveller, a new lower VOC UV ink set, able to print gloss and matt finishing on the same object makes this printer a true next gen printer. The UV Lamp is controlled by a Mutoh developed IDC controller

that allows different intensities in regions of the lamp. This gives the user the ability to control the lamps thus the gloss and matt across the object. New is also the included Cad-Link layer software, this makes it easier to use and to setup the layers. Having all the features in the box makes this product a worthy winner in the object printing market.

› www.mutoh.com

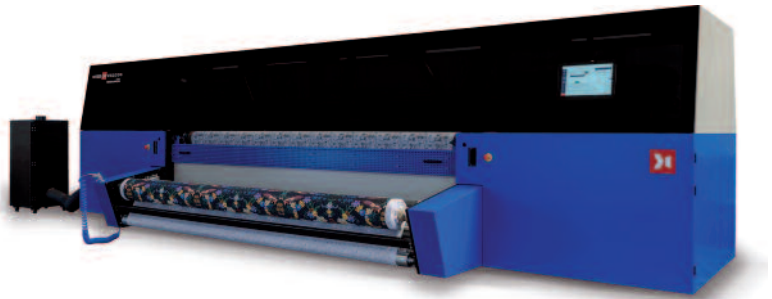
TEXTILE PRINTER ROLL-TO-ROLL > 100 SQM/H



FINALIST

Mtex | Dragon

Mtex | Falcon



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

THE WINNER Mtex | Falcon

Mtex Falcon has a fully automated feeder, transport and take up system controlled by motion and air pressure. This will assure the use of any fabric, under the specs of Mtex Falcon, being able to be printed with quality and speed. Special head assembly combines and gives the flexibility of high quality print, wider color gamut and speed with

proprietary electronics, firmware and software. Mtex Falcon is Unique on this since is our long time experience to built in fixation unit in one process.

Technical Committee's opinion:

This Direct to fabric water based organic pigment printer was specially developed for home fashion and decor. The build in fixation system helps to save space, power and labour cost as there is no need for two step proces-

sing. The versatility of the printing on polycotton and cotton substrates and the amazing rub fastness tested with the ISO 105 X12:2016, the above average UV resistance made that this printer is a next generation in the market for home décor.

› www.mtexns.com

DIRECT TO GARMENT PRINTER



FINALIST

Ricoh | Ri 1000

Roland DG | Texart
XT-640S-DTG



DTG (Direct to garment) printers offer the ease of printing directly onto finished flat textile objects like t-shirts, bag, accessories and interior décor. This is a growing market and there are many players entering or expanding into this new segment.

THE WINNER Roland DG | Texart XT-640S-DTG

The Texart XT-640S-DTG is a multi-station, direct-to-garment printer which prints full-colour graphics directly onto cotton-based T-shirts and apparel, quickly and colourfully.

Texart XT-640S-DTG enables users to print durable, full-colour designs, photos, logos and text directly onto a wide range of cotton, cotton-rich and white

polyester T-shirts and apparel. CMYK and high-density White inks achieve vibrant effects on white or coloured garments, all with a natural look and feel.

Technical Committee's opinion:

This is the first interesting alternative to existing printers in the market. The possibility to print different sized t-shirts on the same print bed, the ease of use of the multi-size jig makes this printer diffe-

rent. The system allows for a good white because of a high density ink so that printing on coloured t-shirts or other type garments is no problem. The speed of 450 shirts per hour (maximum) is impressive. The print quality is excellent at 1440dpi max but mostly a lower dpi print will be used.

› www.rolanddg.com



FINALISTS AND WINNERS
PRINTING SYSTEMS
COMMERCIAL PRINTING

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ENTRIES

PRINTING SYSTEMS

COMMERCIAL PRINTING

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

CUTSHEET PRINTER COLOR A4 TO B3

Xerox | PrimeLink C9070

The Xerox PrimeLink C9070 Printer delivers the most adaptable capabilities on the market: Unmatched application flexibility, unsurpassed image quality, professional-grade finishing, enhanced reliability and security, plus advanced tools and automation.

CUTSHEET PRINTER COLOR UP TO SRA3 < 499.000 A4/MONTH

Ricoh | Pro C5300s

The Ricoh Pro C5300s is designed to fit print environments of all sizes. These compact and affordable colour presses are a right-sized solution for print-focused businesses looking to benefit from high-quality colour, exceptional media flexibility, reliable performance (up to 80 ppm) and a range of finishing options. With such impressive attributes, speeds up to 80 ppm and multi-function capabilities, these systems deliver a total package.

CUTSHEET PRINTER COLOR UP TO SRA3 < 500.000 A4/MONTH

Kyocera | Taskalfa Pro 15000c

The TASKalfa Pro 15000c breaks new ground by merging productivity with affordability in a high-speed cutsheet inkjet production printer. It offers you a cost-effective alternative to conventional printing in High productivity and high personalization, transactional, trans-promotional and direct-mail applications. Built to produce up to 1 million pages per month with the ability to load and unload paper, and speed, versatility and reliability, it features unique print heads and inkjet replenish inks while printing.

CUTSHEET PRINTER COLOR UP TO B3 (+)

Canon | varioPrint iX-series

The Canon varioPrint iX-series is a highly productive inkjet sheetfed press which revolutionizes the commercial printing business experience. Thanks to its stunning image quality and wide media range, commercial printers can say »Yes« to virtually any job, then print it with the productivity and cost-efficiency of inkjet for more profit and more business.

CUTSHEET PRINTER COLOR UP TO B1 (+)

Landa | S10 Nanographic Printing Press

Engineered for the packaging and converting industries, the single-sided B1 format Landa S10 Nanographic Printing Press enables just-in-time mainstream efficiency for the production of folding carton and POP/POS applications.

LABEL PRINTER SMALL SIZE AND LOW VOLUME

Roland DG | VersaUV LEC2-300

See »Print and cut solutions«.

LABEL AND FLEXIBLE PACKAGING PRINTER

Bobst | Master DMS

Master DM5 is the ultimate hybrid press made by Bobst. Digital, flexo, finishing and converting are perfectly integrated to deliver a high level of productivity in a single pass. Each process is digitally automated for non-stop job changes. Exceptional print quality at up to 100 m/min. guarantees the fastest time-to-market for most label applications.

RESULTS

PRINTING SYSTEMS

COMMERCIAL PRINTING

Category	Company	Product	Judging results
Cutsheet color A4 to B3	Xerox	PrimeLink C9070*	Award Winner 2020
Cutsheet color up to SRA3 < 499.000 A4/month	Ricoh	Pro C5300s*	Award Winner 2020
Cutsheet color up to SRA3 > 500.000 A4/month (•)	Kyocera	TASKalfa Pro 15000c*	Award Winner 2020
Cutsheet color B3 (+) (•)	Canon	varioPrint iX-series	Award Winner 2020
Cutsheet color B3 (1)	Landa	S10 Nanographic Printing Press*	No Award in 2020 Finalist
Label Printer small size and low volume	Roland DG	VersaUV LEC2-300	No Award in 2020 Finalist
Combined label and flexible packaging printers	Bobst	Master DMS	Award Winner 2020

* EDP member submission.

(•) New or changed category.

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

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

No Award in 2020: The jury did not suggest an award for this category this year.

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

CUTSHEET PRINTER COLOR A4 TO B3



FINALIST

Xerox | PrimeLink C9070



Diversity of colour and as many finishing options as possible right from the printing stage are clearly a trend among toner-based machines. This has different characteristics.

THE WINNER

Xerox | PrimeLink C9070

The Xerox PrimeLink C9070 Printer delivers the most adaptable capabilities on the market: Unmatched application flexibility, unsurpassed image quality, professional-grade finishing, enhanced reliability and security, plus advanced tools and automation. Speed: 120 ppm. Swap CMYK toners with speciality colours with Xerox Adaptive CMYK Plus

Technology. Print traditional digital applications with CMYK. Swap out toners for the Xerox Vivid Speciality Toner set to run exciting new applications with shimmering metallics, white, and clear. Or swap for the Xerox Fluorescent Speciality Toner set to create eyestoppingly colourful prints that glow under UV light.

Technical Committee's opinion:

The only one light production press with capability

to change toner set with an amazing 11 different colours available. Running the Fiery server make all fast and easy. The use of specialty toners like metallics allow this printer to also print high end brochures and booklets without the use of a hot foiling system. Using the clear toner, spot varnish effects are possible. The printer is a good all round printing device.

› www.xerox.com

CUTSHEET PRINTER COLOR UP TO SRA3 < 499.000 A4/MONTH



FINALISTS

Ricoh | Pro C5300s



In addition to the variety of colours and finishing options, many digital presses in the A3+ format range focus on the printing process. Increases in performance are also obvious.

THE WINNER

Ricoh | Pro C5300s

The Ricoh Pro C5300s is designed to fit print environments of all sizes. The compact color press is a right-sized solution for print-focused businesses looking to benefit from high-quality colour, media flexibility, reliable performance and a range of finishing options. With such attributes, speeds up to 80 ppm and multifunction capabilities, these system delivers a total package.

Built as a right-sized solution, it combines high-quality colour, exceptional media handling, powerful performance and a range of finishing options. With professional-grade speeds and advanced technologies, they deliver a total package. And it all comes in a compact footprint.

Technical Committee's opinion:

This newly developed digital press Ricoh created a new bridge for connecting the print engine with new

high quality feeder. The redeveloped fuser now works well with thin and thick media. This is a good example of migrating to light production press capabilities developed for more expansive production models. Users can get more stability and features in light production category. The external feeders can handle up to 8550 sheets of paper.

› www.ricoh.com

CUTSHEET PRINTER COLOR UP TO SRA3 > 500.000 A4/MONTH



FINALIST

Kyocera | TASKalfa Pro
15000c



The digital presses Anno 2020 show a clear trend towards more speed. And this is not least due to inkjet technology, which is increasingly extending into the machine class formerly designated as office equipment.

THE WINNER Kyocera | TASKalfa Pro 15000c

The TASKalfa Pro 15000c breaks new ground by merging productivity with affordability in a high-speed cutsheet inkjet production printer. It offers you a cost-effective alternative to conventional printing in High productivity and high personalization, transactional, trans-promotional and direct-mail applications.

Built for produce up to 1 million pages per month with the ability to load and unload paper, and speed, versatility and reliability, it features unique print heads and inkjet replenish inks while printing.

Technical Committee's opinion:

The Taskalfa Pro 15000c distinguishes itself in the market for sheet printing by its own design for the printing engine and therefore achieves a breakthrough in the price

performance ratio for fast inkjet printers. With a max speed of 150 sheets per min in full colour and substrates ranging from 56-360 g/m² makes this a very versatile fast printer. The resolution of 600x600dpi allows for fine lines and sharp prints.

› www.kyoceradocument solutions.com

CUTSHEET PRINTER COLOR B3 (+)



FINALISTS

Canon | varioPrint
iX-series



With the further increased performance, the inkjet has arrived in a performance class that has almost reached the level of offset printing in the professional format range of B3.

THE WINNER Canon | varioPrint iX-series

The Canon varioPrint iX-series is a highly productive inkjet sheetfed press which can revolutionize the commercial printing business. Thanks to its image quality and wide media range, commercial printers can say »Yes« to virtually any job, then print it with the productivity and cost-efficiency of inkjet for more profit and more business. Experience highest productivity,

throughput and uptime, more than 9.000 SRA3 images per hour or 320 A4 ipm, over 90% average uptime Experience outstanding image quality and consistency, innovative printheads and image processing, high-end nozzle technologies experience high application versatility, wide media range – up to 350 gsm on offset coated and uncoated paper Experience promising cost efficiency, savings in labour and processing costs and attractive running costs.

Technical Committee's opinion:

The polymer pigment water based inks give this printer its speed and quality. With 1200DPI printing high volumes unattended with a high registration accuracy made this a winner. The promoted average uptime of 90% and the PRIMAsync technology that let you plan ahead up to 8 hours of production are not found in other devices as far as we know.

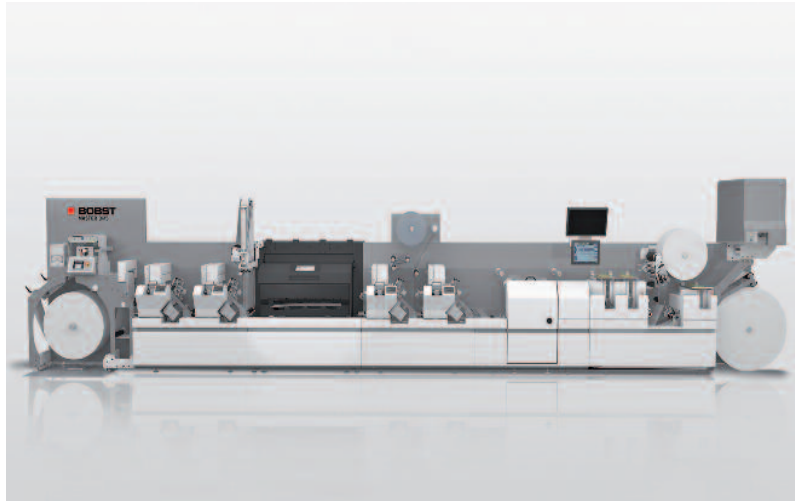
› www.canon.com

LABEL AND FLEXIBLE PACKAGING PRINTER



FINALIST

Bobst | Master DMS



The label printing market is served by a myriad of manufacturers. All the more surprising that there are only a few professional machines that present themselves as hybrid models. It was also the only submission in this category.

THE WINNER Bobst | Master DMS

Master DM5 is a hybrid press made by Bobst. Digital, flexo, finishing and converting are integrated to deliver high productivity in a single pass. Each process is digitally automated for on-the-fly non-stop job changes. The automation enables the converter to run the press with 1 operator.

High print quality at up to 100 m/min. guarantees a

fast time-to-market for label applications. The Master DM5 can process almost any kind of substrate and delivers high quality results thanks to the precision of flexo and the versatility of digital. This hybrid press is extremely compact, and has a low impact on a production area.

Technical Committee's opinion:

The Master DM5 combines extreme flexibility for high added value labels,

with extremely short job setup. Press uses Mouvment-developed digital ink-jet module with 1200x1200 dpi resolution and DigitalFlexo technology from Bobst. It suitable for a wide range of applications: PSA labels, multi-layer coupon labels, wet-glue labels, wrap around labels, in-mold labels, shrink sleeves, flexible packaging, specialty applications.

› www.bobst.com



FINALISTS AND WINNERS
INDUSTRIAL SOLUTIONS
PRINT & FINISHING

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

ENTRIES

INDUSTRIAL SOLUTIONS

PRINT & FINISHING

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

PRINT & FINISHING SOLUTION

Zünd | Press Cutting Tool – PCT

High processing speeds and high-quality results equal to die cutting: The PCT tool cuts corrugated cardboard up to 7 mm thick and simultaneously compresses the material with a special glide shoe.

LABEL PRINTING SOLUTION

Bobst | Master DMS

See »Combined label and flexible packaging printers«

Memjet | DuraFlex

See »Print engines and print heads«

Zünd | ZCC Workflow Solution – Label

See Software/Hardware

TRANSACTIONAL PRINTING, MAILING SYSTEM

Memjet | DuraFlex

See »Print engines and print heads«

FOLDING CARTON SOLUTION

Bobst | New Accucheck

The most advanced in-line quality control device for folder-gluer. The first generation introduced in 2011 had a huge success. The new Accucheck carefully inspects carton blanks for according to various defects quality criteria, covering all customer needs, and ensures zero-fault packaging. Thanks to a connection between the Accucheck and the rejection device, the defect boxes are automatically ejected from the folding-gluing line. Unique selling points, such as: fastest in-line quality control system, fully integrated into the folder-gluer, equipped with smart text identification using machine learning and PDF proofing, 2 patented technologies.

Memjet | DuraFlex

See »Label printing solution«

CORRUGATED SOLUTION

Highcon | Beam 2c

The Highcon Beam 2C digital cutting and creasing solution answers the stringent market requirements for corrugated packaging; non-crush process, customizable to enable rightsizing and light-weighting of

packaging; strong enough to allow product to be shipped in its own box; and at the same time providing a positive unboxing experience that supports brand owners. The Beam 2C will be available in two versions – a pallet feed standard configuration and a field upgradable nonstop feeding, stacking and waste removal configuration.

Memjet | DuraFlex

See »Print engines and print heads«

Zünd | Press Cutting Tool – PCT

See »print & finishing solution«

FLEXIBLE PACKAGING SOLUTION

Kodak | Uteco Sapphire Evo

The Sapphire Evo Press utilizes Kodak Stream Inkjet Technology as well as environmentally friendly water-based pigment inks and pre-coats from Kodak. Sapphire Evo offers a max. web width of 650 mm and lets flexible packaging printers migrate jobs from traditional printing processes to digital and achieve high quality results along with enormous time, makeready and cost savings.

The new Kodak Prosper QD Packaging Inks offer market leading bond strength with solventless, water-based, and solvent-based lamination.

Memjet | DuraFlex

See »Print engines and print heads«

WALL PAPER PRODUCTION

Fotoba | XLD170WP

Special version of the Fotoba XLD 170 Digital Print Cutter designed to make the most accurate vertical cut enabling a perfect butt-joint. Ideal for trimming multiple tiles of single images for side by side. It follows the image with an accuracy of 0,06 mm (0,002 in). The XLD 170 cutters can handle most flexible media up to a maximum thickness of 0,8 mm (32 ml) including polycarbonate, photo paper, vinyl, self-adhesive vinyl, PVC, film, duratrans, TDF, canvas, laminated or encapsulated prints and much more.

TEXTILE PRODUCTION

Memjet | DuraFlex

See »Print engines and print heads«

PRINT ENGINES AND PRINT HEADS

Kodak | Prosper Plus Imprinting solutions

Kodak Prosper Plus Imprinting Systems enable offset, flexo and gravure printers to integrate the power of digital print within existing pressroom and finishing operations. Prosper Plus Systems are ideal for imprinting monochrome or four-color content on a wide range of substrates and applications. Two narrow formats (105 mm / 4.13" print width) and two wider format models (210 mm / 8.26" print width) print up to 260 m/pm (850 f/pm) or 600 m/pm (2.000 f/pm).

Memjet | DuraFlex

DuraFlex is Memjets economical and flexible technology that introduces a completely new four-color printhead in A4 and A3+ widths.

DuraFlex provides long-life printheads with durable pigment inks in a highly integrated, ready-to-print

module – enabling fast and cost-efficient development of print solutions for a range of applications and markets.

RESULTS

INDUSTRIAL SOLUTIONS

PRINT & FINISHING

Category	Company	Product	Judging results
Print & finishing solution			No Award in 2020
	Zünd	Press Cutting Tool – PCT	Next year
Label printing solution			No Award in 2020
	Bobst	Master DMS	Nominee
	Memjet	DuraFlex	Nominee
	Zünd	ZCC Workflow Solution – Label	Next year
Transactional printing, mailing system			No Award in 2020
	Memjet	DuraFlex	Nominee
Folding carton solution			No Award in 2020
	Bobst	New Accucheck	Nominee
	Memjet	DuraFlex	Nominee
Corrugated solution			
	Highcon	Beam 2C	Award Winner 2020
	Memjet	DuraFlex	Nominee
	Zünd	Press Cutting Tool – PCT	Next year
Flexible packaging solution			No Award in 2020
	Kodak	Uteco Sapphire Evo	Finalist
	Memjet	DuraFlex	Nominee
Wall paper production			
	Fotoba	XLD 170 WP*	Award Winner 2020

RESULTS

INDUSTRIAL SOLUTIONS

PRINT & FINISHING

Category	Company	Product	Judging results
Textile production			No Award in 2020
	Memjet	DuraFlex	Nominee
Print engines and print heads			
	Kodak	Prosper Plus Imprinting Solutions	Next year
	Memjet	DuraFlex	Award Winner 2020

* EDP member submission.

(•) New or changed category.

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

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

No Award in 2020: The jury did not suggest an award for this category this year.

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

CORRUGATED SOLUTION



FINALISTS

Highcon | Beam 2c



There are only a few solutions answering the stringent market requirements for corrugated packaging. Or to put it better: there is actually always just one name that comes up: Highcon.

THE WINNER Highcon | Beam 2c

The Highcon Beam 2C digital cutting and creasing solution answers the stringent market requirements for corrugated packaging; non-crush process, customizable to enable rightsizing and light-weighting of packaging; strong enough to allow product to be shipped in its own box; and at the same time providing a positive unboxing experience that supports brand owners.

The Beam 2C will be available in two versions – a pallet feed standard configuration and a field upgradable nonstop feeding, stacking and waste removal configuration.

Technical Committee's opinion:

The inline cutting solution of Highcon now integrates a nonstop feeder system and a quality assurance system that works on the fly. The combination of the DART creasing station and inline-laser cutting unit

makes this an allrounder for the corrugated industry. The Beam 2C is fast, accurate and offers waste removal options that can be installed later in the field.

> www.highcon.net

WALL PAPER PRODUCTION



FINALIST

Fotoba | XLD 170 WP



With the advent of large format printing came new applications. One of these specials is the printing of wallpapers. However, this also requires corresponding equipment.

THE WINNER

Fotoba | XLD 170 WP

Special version of the Fotoba XLD 170 Digital Print Cutter designed to make the most accurate vertical cut enabling a perfect butt-joint. Ideal for trimming multiple tiles of single images for side by side. It follows the image with an accuracy of 0,06 mm (0,002 in).

Technical Committee's opinion:

XLD-170 WP cutter can automatically cut both longitudinally and transversally. It cuts longitudinally in the middle of the sheets as well. It also automatically realigns itself to the edge of the printed image with a sensor. It cuts a 30 m roll in 15 minutes (depending on the quantity of cuts). Excellent instrument for automated workflows where XY-cutting of flexible media output up to 1,7 m wide and

35 mm thick is needed. As a roll to sheet cutter it serves small to medium sized companies in a range of media such as polycarbonate, photo paper, vinyl, self-adhesive vinyl, PVC, film, Duratrans, TDF, canvas, thick coated fabrics, PU leather, laminated or encapsulated prints. The Fotoba XLD170WP can also be seen in combination with the Canon Colorado 1650 as the "Canon's UVgel Wall Paper factory".

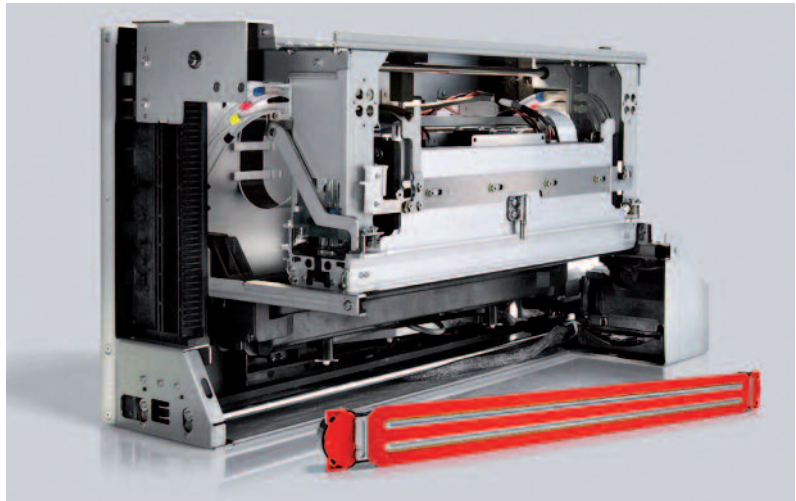
› www.fotoba.com

PRINT ENGINES & PRINT HEADS



FINALIST

Memjet | DuraFlex



Without appropriate print heads, nothing works in inkjet printing. They are a well-kept secret and only a few manufacturers offer their technology to OEM partners.

THE WINNER Memjet | DuraFlex

DuraFlex is Memjets economical and flexible technology that introduces a completely new four-color printhead in A4 and A3+ widths.

DuraFlex provides long-life printheads with durable pigment inks in a highly integrated, ready-to-print

module – enabling fast and cost-efficient development of print solutions for a range of applications and markets.

Technical Committee's opinion:

Memjet offers with DuraFlex a complete new pigment /water based print system for inkjet printing. It provides multi-colour A4 and A3+ printhead options and a modular set of compact components. The way Memjet brings it to the market, offering

OEMs all the components they needed to build their own printer module is also unique. It enables OEMs to build desktop, light production and cost-sensitive wide format solutions that enable fast, full-bleed colour printing with durability and image quality. All in all a innovation in the way OEM products are being introduced and used.

› www.memjet.com



FINALISTS AND WINNERS

FINISHING & ENHANCEMENT

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

ENTRIES

FINISHING AND ENHANCEMENT

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

DIGITAL WIDE FORMAT CUTTING SOLUTION**Elitron | Heleva + Reversa + Kombo TAV**

Automatic Material Handling & Finishing, in one complete Inline system, without operator intervention from start to finish. Elitrons well-known Heleva system loads sheets directly into the printer, and as sheets roll out of the printer stacks are automatically transported by means of rollers to Reversa, Elitrons intelligent, large format, sheet turner. Sheets are then turned so the print side is face down, before being fed into the Kombo TAV cutting system. The reference points are read from the underside in the pre-loading area, using the Seeker System cameras, and the material is then cut and creased with the print side facing downwards.

Summa | L3214

Commercial, apparel and industrial textiles are some of the fastest growing markets in the global economy, where on-demand and fast

delivery becomes increasingly important. The market needs solutions to quickly respond to customer demands for large format and printed textiles without compromise on cut quality. Summa meets these demands with the L3214 laser cutter. Boosting efficiency and processing times, increasing production speeds, and excelling as a complete solution for wide-format soft signage applications.

Trotec | SP4000

The SP4000 large format laser cutting solution is designed for soft signage applications. Featuring a generous 126 by 128-inch work area and a maximum roll width of 125.9 inches, the SP4000 laser cutting machine is ideal for soft signage applications such as banners, flags, or light boxes. The laser machine combines an automated solution with high cutting speeds and convincing accuracy, allowing to achieve high production volumes with perfect quality. The SP4000 wide format laser machine can be custom configured around a conveyor belt with feeder unit and unloading table to accommodate your workflow processes.

FINISHING SUPPORT TOOL**Elitron | Heleva + Reversa + Kombo TAV**

See »Digital wide format cutting solution«

BOOK-ON-DEMAND POSTPRESS SOLUTION**Tecnau | SteamFolder 5152**

Tecnaus StreamFolder 5152 system features the single-cutting Cutter c51 fed printed & folded output from the StreamFolder f50. Available with a tack-gluing option, this system operates at up to 750 fpm / 230 mpm to take full advantage of the emerging generation of high-speed inkjet printers. The StreamFolder f50 flow-fold module provides unprecedented reliability for short-run digital book printing jobs of varying run lengths including books of one. StreamFolder folds the web once or twice, enabling efficient use of a web-fed press at its maximum print width.

ENTRIES

**WIDE FORMAT FINISHING
SOLUTION OFFLINE****Elitron | Heleva + Reversa +
Kombo TAV**

See »Digital wide format cutting solution«

**CUTSHEET FINISHING
SOLUTION OFFLINE****Tecnau | Stack 1212**

Tecnaus Stack 1212 converts multi-up output into smaller, stacked finished pages without guillotine cutters, thus reducing manual print handling and consolidates labor-intensive finishing operations in a nearline automated process. Stack 1212 slits, cuts, trims, removes gutters/bleeds and stacks output up to B2 size, allowing users to process sheets in cost-effective multiple-up impositions. For applications from bills and statements to letters, books, and marketing brochures, from postcards to posters.

WEBFED FINISHING SOLUTION**Tecnau | Stack 5251**

Featuring the double-cutting Cutter c52, Tecnaus Stack 5251 reliably

operates as fast as 590 f/pm -180 m/pm as enabled by the emerging generation of high-speed inkjet printers. Cutting and stacking high-resolution print at these speeds requires a stable web of paper with minimal touchpoints. The Stack 5251 never lets go of the web, keeping control for reliable production. The Stacker s51 module produces 1-up, 2-up, 2-up merged or 3-up stacks, utilizing a transport technology which matches well to transactional and simple book applications.

ENHANCEMENT**Bobst | Master DMS**

See »Combines label and flexible packaging printers«

Klieverik | GTC 111-5400

Klieverik GTC belt calenders can be used for dye-sublimation transfer printing (paper to textile) as well as for dye fixation of direct printed dispersed dyes or pigments. The GTC belt calenders are well suited for entry level professionals to high end production facilities. With sharp edge definition, high processing speeds, less waste and fewer re-prints, these calenders are designed for maximizing profitability. These machines are suitable for all kinds of

substrates like woven-stretch-knits-non wovens.

**Kornit | NeoPigment Robusto
Softener**

See »Coatings and varnish«

Veika | Dimensor SG

First of a kind water-based wide format enhancement system. Digitally prints various decorative large particles such as glitter, mica, gold, silver and so on in register with previous print made by any technology and substrate (tested and approved by Veika Dimense). The printing of large particles is accomplished via spreading large particles all-over the substrate whereas only areas printed with water-based glue remain intact. The enhancement is done in register with the previous colour print with possibility to modify colour of enhancement digitally. Width: 1.6m, typical roll length 30 - 80 m. Colours: 4 CMYK+ 4 glue. Speed: 20 - 30 m²/hr. Easy to use file processing to generate registered output with colour. Registration system. Effective particles handling and loading system. Spreading and cleaning system in the closed cycle in-line with glue printing.

RESULTS

FINISHING & ENHANCEMENT

Category	Company	Product	Judging results
Digital wide format cutting solution			
	Elitron	Heleva + Reversa + Kombo TAV	Nominee
	Summa	L3214*	Award Winner 2020
	Trotec	SP4000	Finalist
Finishing support tool			
	Elitron	Heleva + Reversa + Kombo TAV	Nominee
No Award in 2020			
Book on demand postpress solution			
	Tecnav	StreamFolder 5152	Nominee
No Award in 2020			
Wide Format Finishing offline			
	Elitron	Heleva + Reversa + Kombo TAV	
No Award in 2020			
Cutsheet finishing solution offline			
	Tecnav	Stack 1212	Nominee
No Award in 2020			
Webfed Finishing Solution			
	Tecnav	Stack 5251	Award Winner 2020
Enhancement			
	Bobst	Master DMS	Nominee
	Klieverik	GTC 111-5400*	Award Winner 2020
	Kornit	NeoPigment Robusto Softener	Nominee
	Veika	Dimisor SG	Finalist

* EDP member submission.

(•) New or changed category.

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

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

No Award in 2020: The jury did not suggest an award for this category this year.

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



YEAH, PRETTY NICE. BUT WE PREFER MORE CONTEMPORARY SOLUTIONS.



Every year, when the 21 European trade magazines joined together in the European Digital Press Association present the prestigious **EDP AWARDS**, the focus is on high-performance equipment for day-to-day use in production companies. That's why criteria such as **INNOVATION, PRODUCTIVITY** and **QUALITY** are essential for choosing the best current technologies. The EDP Awards thus provide orientation and a neutral recommendation for purchase decisions. www.edp-award.com



Even if important industry trade fairs have been postponed or cancelled: **The competition for the EDP AWARDS 2021 is proceeding with.** Because especially in times when direct comparisons of solutions in the digital production chain are complicated, a competition like the EDP Awards is more important than ever. When the contest will start is not yet certain, but it is a promise: EDP will continue to look for the best solutions.

DIGITAL WIDE FORMAT CUTTING SOLUTION



FINALIST

Elitron | Heleva +
Reversa + Kombo TAV

Summa | L3214

Trotec | SP4000



Commercial, apparel and industrial textiles are some of the fastest growing markets in the global economy, where on-demand and fast delivery becomes increasingly important. There are many cutting solutions but lately the laser cutting is making its entry in the wider formats and leaving the smaller format engraving and acrylic cutting markets behind. Camera technologies and workflow become important in this market.

THE WINNER
Summa | L3214

The market needs solutions to quickly respond to customer demands for large format and printed textiles without compromise on cut quality. Summa meets these demands with the L3214 laser cutter. Boosting efficiency and processing times, increasing production speeds, and excelling as a complete solution for wide-format soft signage applications.

Technical Committee's opinion:

Laser cutting is not new to the market, but the innovative concept of this high speed textile 3.2m laser cutter is. Specially developed automated vision camera, eliminates the need of cut-files and thus the errors of loading the wrong cut-files are part of the past. (optional you can still use cut files if needed) The ability of continuous cutting of long prints accurately is impressive. High speed cutting make

this a direct competitor to many flatbed tables in the soft-sign and sportswear markets today. Using a metal tube laser this device will be able to be in production for many years without recalibration or laser replacements as like the traditional glass-tube lasers. The inclusion of the chiller and BOVA air purifier make it a complete laser cutting package.

› www.summa.com

WEBFED FINISHING SOLUTION



FINALIST

Tecnau | Stack 5251



With the increasing use of digital presses there is a growing demand for customised finishing solutions that are expected to deliver the same precision as the printing units.

THE WINNER

Tecnau | Stack 5251

Featuring the double-cutting Cutter c52, Tecnaus Stack 5251 reliably operates as fast as 590 fpm/180 mpm as enabled by the emerging generation of high-speed inkjet printers. Cutting and stacking high-resolution print at these speeds requires a stable web of paper with minimal touchpoints. The taut-web Stack 5251 never lets

go of the web, keeping control for reliable production. The Stacker s51 module produces 1-up, 2-up, 2-up merged or 3-up stacks, utilizing a transport technology which matches well to transactional and simple book applications. Stack 5251 features next generation controls for compatibility with the Internet of Things (IoT). The system includes natural-language error reporting on the user screen and onboard diagnostics to help keep the system up and running.

Technical Committee's opinion:

Tecnau StreamFolder 5152 system features the single-cutting Cutter c51 fed printed & folded output from the StreamFolder f50. Available with a tack-gluing option, this system operates at up to 750 fpm / 230 m/pm to take full advantage of the emerging generation of high-speed inkjet printers.

› www.tecnau.com

ENHANCEMENT



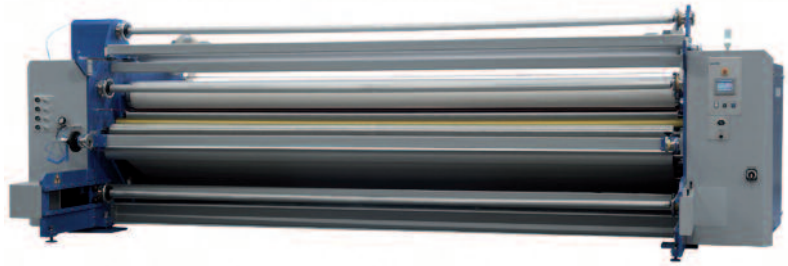
FINALIST

Bobst | Master DMS

Klieverik | GTC 111-5400

Kornit | NeoPigment Robusto Softener

Veika | Dimensor SG



As with all markets there are products that can't be put in an own category but still deserve a mention or an award for the technology, innovation or breakthroughs of the market.

THE WINNER
Klieverik | GTC 111-5400

Klieverik GTC belt calanders can be used for dye-sublimation transfer printing (paper to textile) as well as for dye fixation of direct printed dispersed dyes or pigments. The calenders are suited for entry level professionals to high end production facilities. These machines are suitable for all kinds of substrates like woven-stretch-knits-non wovens.

Technical Committee's opinion:

The 5mt wide textile heat press / calander for the soft-sign industry is just one of these products. The GTC can be used for lamination, textile bonding and sublimation transfer. The GTC is extremely temperature accurate across the whole drum due to the unique temperature control system that is fully PLC driven. The temperature stability is possible because of way Klieverik fills

the drum with oil and uses an internal extra core where the heating rods are located. This is a Klieverik technology not used by any other calander manufacturer. One of the most innovative features of this product is the media feeding system that gives easy feed of 5 meter textiles and sublimation paper even in low grammage. The small footprint and elegant design does not take away anything industrial of this calander.

› www.klieverik.com



FINALISTS AND WINNERS **CONSUMABLES**

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ENTRIES

CONSUMABLES

INKS, TONERS, SUBSTRATES

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

WATERBASED INK

Memjet | DuraFlex

See »Print engines and print heads«

ENVIRONMENTAL INK/TONER

Kodak | Antimicrobial Clear Dry Ink

Kodak NexPress Antimicrobial Clear Dry Ink is an antibacterial and anti-fungal powder for commercial use, designed to be applied in various ways when printed on a Kodak Nexfinity or NexPress Digital Press. The product contains an antimicrobial agent that inhibits microbial growth on the final article to prevent unsightly discoloration, unpleasant odours, and polymer degradation issues.

COATINGS AND VARNISH

Kornit | NeoPigment Robusto Softener

The new Softener solution is a product of the brand's continuous innovation strategy, making Kornit technology the fashion world's solution for on-demand proximity production. By streamlining the end-to-end process, these systems eliminate the need to predict demand and manage inventory, while

supporting global sustainability imperatives. Offering vibrant colours, intricate design capabilities, and a fabric touch that is second to none, Kornit's pigment-based digital print solutions require minimal space and labour relative to competitive offerings.competitive offerings.

SUBSTRATES

Neenah Coldenhove | Texcol

Texcol is a digital pigment transfer paper. Its special properties make it highly resistant to crocking and helps to retain its colour fastness when exposed to light. Excellent for use on textiles in the home furnishing segment, Texcol is especially recommended for applications on sturdier textiles.

Think about curtains, decorative pillows and beddings – which require a high degree of durability that used to be difficult to achieve with the sublimation transfer technology. Additionally, Texcol's multifunctional coating ensures you ink savings of up to 25%. You get a high colour brilliance that you don't see every day in a finished printing product. Texcol is designed to run on your plotter printers and allows easy transfer with your standard technologies. That means further cost sa-

vings for you, as you can use these techniques without making large investments.

Felix Schoeller | S-Race Tacky 100

Digital dye sublimation printing is not only growing rapidly, but this efficient production technology has become almost indispensable for many industries. Especially in textiles, makers of fashion and sportswear as well as home décor are looking for increased speed and improved quality to meet the challenging demands of digitally printed garments. Suppliers in the fields of photo gifts, merchandise and personalized items, especially with rigid substrates, demand pin-sharp and brilliant image quality.

S-Race dye sublimation paper is impressively fast, efficient and precise in every detail. It is the ultimate choice for printing houses of any size that consistently want to deliver outstanding quality. S-Race, with its ground-breaking and future-proof technology, will help printers to impress their clients with amazing results, enabling stable production and consistent quality.

RESULTS

CONSUMABLES

INKS, TONERS, SUBSTRATES

Category	Company	Product	Judging results
Waterbased Ink			No Award in 2020
	Memjet	DuraFlex	Nominee
Environmental ink/toner			
	Kodak	Antimicrobial Clear Dry Ink	Award Winner 2020
Coatings and varnish			
	Kornit	NeoPigment Robusto Softener	Award Winner 2020
Substrates			
	Felix Schoeller	S-Race Tacky 100*	Finalist
	Neenah Coldenhove	Texcol*	Award Winner 2020

* EDP member submission.

(•) New or changed category.

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

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

No Award in 2020: The jury did not suggest an award for this category this year.

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

ENVIRONMENTAL INK/TONER



FINALISTS

Kodak | Antimicrobial Clear Dry Ink



Not only since the outbreak of the Corona pandemic has the use of antimicrobial coatings been known as a protective coating. But now such a solution is also becoming possible for digital printing.

THE WINNER **Kodak | Antimicrobial Clear Dry Ink**

Kodak's Dry Ink is an antibacterial and antifungal powder for commercial use, designed to be applied in various ways when printed on a Kodak Nexfinity or NexPress Digital Press. The product contains an antimicrobial agent that inhibits microbial growth to prevent unsightly discoloration,

unpleasant odors, and polymer degradation issues. Color stability: compound is transparent and can be incorporated into products without affecting color; especially important for a clear dry ink overcoat. Data indicates efficacy against bacteria, fungi, mold, and viruses with no indication of ability to build resistance.

Technical Committee's opinion:

Printing highspeed antibacterial clear ink is some-

thing we all need today. Not only can this be used in glossy brochures but tabletops point of sale and more. Nexpress antimicrobial ink changes the way we think about print.

› www.kodak.com

COATINGS AND VARNISH



FINALIST

Kornit | NeoPigment
Robusto Softener



Printing on textiles alone is not a perfect and market-driven solution. Especially with textiles the touch and feel plays an incredibly important role.

THE WINNER

**Kornit | NeoPigment
Robusto Softener**

Kornit Digital announced the release of its new NeoPigment Robusto Softener solution for Presto, the company's system for digital, pigment-based direct-to-fabric decoration. Reflecting Kornit's commitment to expanding sustainable, on-demand (i.e. waste-free) decoration capabilities to all corners of the textile industry, this solution eliminates a key barrier between digital,

pigment-based impressions and the fashion industry – namely, a softer handfeel.

Technical Committee's opinion:

This Dry digital softening process is adding an extra touch for sustainable fashion on-demand. Kornit made it possible to have tough pigment inks to become soft on fabrics like if they were made in the analogue fashion way. This without the washing and steaming process.

Small and large textile companies have the need for smaller quantities of fabrics but need to deliver the same quality at fast delivery times. They can now benefit from this technology as it would make fabrics usable in minutes not days. The Neo Robusto Pigment inks and the softener gives the correct hand and feel for natural and polyester fabrics. (It only works with Kornit ink and systems)

› www.kornit.com

SUBSTRATES



FINALISTS

Felix Schoeller | S-Race
Tacky 100

Neenah Coldenhove |
Texcol



Curtains, decorative pillows and beddings require a high degree of durability that used to be difficult to achieve with the sublimation transfer technology.

THE WINNER Neenah Coldenhove | Texcol

Texcol is a digital pigment transfer paper. Its special properties make it highly resistant to crocking and helps to retain its colour fastness when exposed to light. Excellent for use on textiles in the home furnishing segment, Texcol is especially recommended for applications on sturdier textiles.

Technical Committee's opinion:

The transfer technology in sublimation is a well-known technology, the heat transfer of pigment ink is new. Neenah Coldenhove developed this digital transfer paper to allow users to print on a wide range of natural fibre textiles, like cotton, using a waterless process. Texcol digital transfer paper eliminates pre- or post-treatments of textiles, and reduces the user's cost. It guarantees a wider

colour gamut with more brilliant colours in comparison to digital direct pigment printing. The light fastness of the printed products is outstanding. The paper's special coating allows users to generate ink savings of up to 25% on their current jobs.

› www.coldenhove.com

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