



EDP AWARDS 2022/23

THE REPORT

EDP AWARDS 2022/2023

WWW.EDPAWARDS.COM



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

The members of the EDP Association congratulate all EDP Award winners and thank all participants for their engagement.

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16TH EDP AWARDS PRESTIGIOUS AND VALUABLE

One of the goals of the EDP Association is to assist the technology-appliers in their task to find the right solution for their applications. The EDP has been implementing this goal for 16 years and presents the EDP Awards every year. Thus the EDP Awards offer orientation and give a neutral recommendation for purchase decisions.

For this purpose, the EDP Technical Committee (the jury consists of specialists and experts of the member magazines) evaluates and judges the latest technological developments in several categories. The best products in each category are honoured with an EDP Award.

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. 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.

Since 2007 the EDP has honored the best and newest products. Over the years almost 350 trophies were awarded to the best technologies and developments. This year again 17 trophies are awarded. I hope we made the right decisions.

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.

So I would like to thank all the partners who make the EDP Awards possible. And on behalf of the EDP members, I would like to thank all participants and congratulate the winners.

But a few words about the upcoming EDP Awards. After seven years as President of the EDP, I will pass on the responsibility to my current deputy Jean Poncet. I know that the EDP and the Awards are in the best hands. Because there are a lot of new tasks that we have to deal with as an association after the Corona pandemic and the still ongoing unspeakable war in Ukraine.

I wish you all the best in these troubled times and stay safe.



Klaus-Peter Nicolay

President EDP Association

AWARDS IN MOTION

IT'S ALL ABOUT INNOVATION

The EDP Expert Committee is the institution of the EDP Association that does the constituent work for the decisions on the EDP Award winners and whether there will be an award in the respective categories at all.

From all the products submitted, the technical committee nominates the favourites in each category for an award. The main criterion according to which the evaluations are made is innovation: Does the product contain a new technology, is it more efficient or does it change the way of working in a positive sense? Are there new functionalities, a greater variety of applications or materials? How user-friendly is the product? And is it even available in linguistic and geographical diversity?

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.

Further developments are also submitted for the EDP Awards. As long as these bring clearly recognisable additional, significant or completely new features, they will be considered by the jury. Adaptations, updates of software, larger or smaller machines of a basic model with only insignificant further developments are not real innovations according to the jury's understanding.

Of course, we know that digital printing has largely matured in the meantime, which affects the frequency of major innovations. These are largely absent at the moment. That's why part of product launches today is adapting minor details and sometimes copying what a competitor has successfully introduced before.

But with every competition there are questions about why and how, and this is no different with the evaluation of the EDP Awards. This EDP Report can provide information with the listing and comparison of all submitted products and the jury's reasons why a product won.

The EDP Awards are about innovation. This is not only true for the vendors involved, but of course also for ourselves. We learned from this year that it might be useful to streamline the categories to make it easier to submit new products.

Nevertheless, there were interesting solutions and products again this year that deserve an award and thus an EDP prize.

This year again 17 trophies are awarded. We hope we made the right decisions.

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:

François Martin
(François Martin Consulting)

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



FINALISTS AND WINNERS **SOFTWARE**

All products submitted for the **EDP AWARDS 2022/2023** were thoroughly reviewed and evaluated by the **TECHNICAL COMMITTEE**. From the products and solutions submitted, the jury determined the winners of an EDP Award in their respective category. Thanks to everyone who participated in the EDP Awards and congratulations to all the winners of these prestigious awards!

ENTRIES

SOFTWARE

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.

COLOR MANAGEMENT

Onyx | Onyx 22

ONYX 22 introduces new color tools for color accuracy and an all new Color Reference Library to create internal color matching across devices. The Color Reference Library enables print businesses to quickly see what they can print today on any printer/media combination without adjusting profiles. Output can be shown to print buyers before printing using the smart PDF that highlights in- and out-of-gamut colors. The ONYX Color Reference Library can be imported into major design software applications.

WORKFLOW SOLUTIONS

Durst | Durst Workflow

Durst Workflow is the all-in-one solution to handle prepress and print production tasks in the most efficient way. A browser-based software solution designed to manage the entire PDF workflow manually or fully automatically for a streamlined process with optimal results. Efficient data management is combined with leading color management, advanced nesting and powerful rip

technology to take print productivity to the next level.

eurolaser | PositionPlus Professional

POSITIONplus professional is an optical recognition system for workflow optimisation when laser cutting printed materials, materials with patterns or materials on which contours are already present. The entire working area of the cutting system is detected via surface scan and the further processing is aligned accordingly. Many applications require precise cutting to existing registration marks, patterns or print contours. For this purpose, eurolaser offers an intelligent solution consisting of a camera and evaluation software. Using reference points, the optical recognition system allows printed materials to be cut out precisely along the print contour. Up to now, the marks have been read in individually. POSITIONplus professional considerably reduces the time needed to read in the register marks and thus optimises the process time

Bobst | Connect

Bobst Connect is a cloud-based digital platform, with BOBST machine insights and expertise built-in, that provides insights across every step of

the packaging production process to unlock advances in efficiency, quality, automation and productivity.

This fully connected platform brings together the data, IoT connectivity and digital services.

BOBST Connect is designed to integrate throughout the digital process ecosystem, including customers' ERP (Enterprise Resource Planning), MIS (Management Information System) and MES (Manufacturing Execution System), as well as with third party cloud-based applications across the value chain. This enables customers to have a fully connected workflow overview, orchestrating the entire production process.

E-COMMERCE SOLUTIONS

Durst | Smart Editor

Durst Smart Editor is a cloud-based application that allows personalized print products to be designed directly in the customer web-to-print solution. Easy to connect to the existing web shop via dedicated connectors (Plug-in and API), it allows users to get exactly what they want with real-time product personalization and realistic previews, receiving their orders as print ready files.

ENTRIES

SOFTWARE

MIS/ERP SYSTEMS

Durst | Dust Lift ERP

Durst Lift ERP is a cloud-based ERP/MIS software which provides a single integrated platform to run every aspect of the print business. The process is automated and streamlined, from taking the customer's order online into production order tracking, manufacturing, all the way through invoicing and customer delivery. With no user licensing fees, all members of your print shop can access jobs from anywhere to ensure efficient job processing.

Dataline | MultiPress

CO₂ Calculator

The software allows users to calculate and estimate costs and prices based on any possible print produc-

tion technique and the associated machine specifications, substrates, inks, printing plates, energy consumption. Also, aspects beyond production such as packaging materials, transport and logistics can be included in the calculations. The software can hold customer agreements such as standard volume discounts into account automatically when estimating new quotations. In 2022, a valuable new calculation method was added to this system: CO₂ Calculation.

SPECIAL APPLICATION SOFTWARE

Canon | Prisma XL Suite

PRISMAelevate XL is an easy-to-use software application that enables to offer tactile print applications to existing customers, and target new

markets. PRISMAelevate XL produces Intelligent printed layers of ink with special effects.

Durst | Durst Service Software

Durst Service Software offers a comprehensive set of service tools to close the loop from machine alarm to remote service. Durst Service Software monitors printers, provides Durst operators and service technicians with all relevant data for service interventions, and enables secure remote access to printers.

RESULTS

SOFTWARE

Category	Company	Product	Judging results
Color management			No Award in 22/23
	Onyx	Onyx 22	
Workflow solutions			
	Durst	Durst Workflow	Award Winner 22/23
	eurolaser	PostionPlus Professional	Finalist
	Bobst	Bobst Connect	Finalist
MIS/ERP Systems			
	Durst	Lift ERP	Finalist
	Dataline	MultiPress CO ₂ Calculator	Award Winner 22/23
Special application software			No Award in 22/23
	Canon	PrismaXL Suite	
	Durst	Durst Service Software	

* 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 2021: The jury did not suggest an award for this category this year.

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

WORKFLOW SOLUTIONS

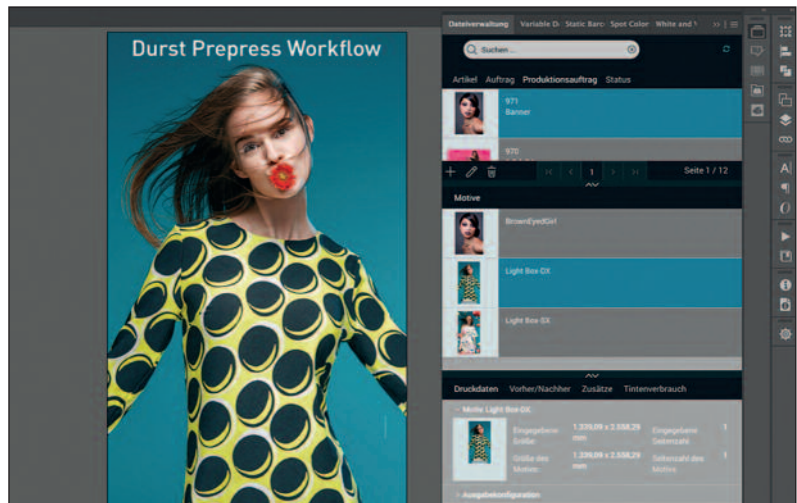


FINALISTS

Durst | **Workflow**

eurolaser | **PositionPlus**

Bobst | **Connect**



It is a trend of recent years that workflow technologies combine more and more functions in one tool. Thus, workflow solutions are increasingly becoming the backbone of their respective print environments and enable the entire process to be managed better and more efficiently. At the same time, the scope that workflows cover varies widely. But the solutions presented meet the demand for simplification.

THE WINNER Durst | **Workflow**

Durst Workflow is the all-in-one solution to handle prepress and print production tasks in an efficient way. A browser-based software solution designed to manage the entire PDF workflow manually or fully automatically for a streamlined process with optimal results. Efficient data management is combined

with color management, nesting and powerful rip technology.

Technical Committee's opinion:

The Durst browser-based workflow solution is a significant step forwards for printers and converters willing to integrate all prepress steps in an automated manner. From the PDF to the print ready file with all the elements necessary incl. VDP.

The major breakthrough is that it works also for non-Durst printers. The integration with MIS / ERP systems is integrated with API.

› www.durst-group.com

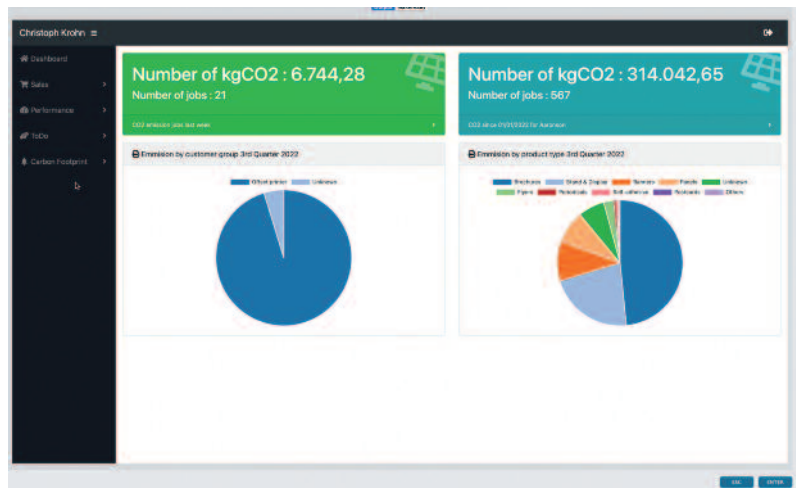
MIS/ERP-SYSTEMS



FINALISTS

Dataline | MultiPress
CO₂ Calculator

Durst | Lift ERP



MIS and ERP systems are systems for collecting, storing and processing data and provide access to information needed in the management of an organisation. At the same time, the scope of services sometimes fluctuates and important functions are still available. Or are they?

THE WINNER

Dataline | MultiPress CO₂ Calculator

MultiPress, the ERP/MIS solution developed by Dataline Solutions, is a comprehensive estimation tool. The software allows to calculate costs and prices for any possible print production technique and the associated machine specifications, substrates, inks, printing plates, energy consumption.

In 2022, a valuable new calculation method was

added to this system: CO₂ calculation.

Technical Committee's opinion:

Sustainability is a major pain point for the graphic industry. The Dataline MultiPress CO₂ Calculator solution meets the demand of an increasing number of clients who are interested in making their operations more sustainable indicating the carbon footprint of print of a given order in advance. The MultiPress is the only

print ERP/MIS software that combines European regulations and guidelines with accurate calculations at a quotation and order level, no matter the volume, application, substrate or production technique used. It also helps printers and converters to assess their own carbon footprint.

› www.dataline.eu



FINALISTS AND WINNERS
PRINTING SYSTEMS
LARGE/WIDE FORMAT PRINTING

All products submitted for the **EDP AWARDS 2022/2023** were thoroughly reviewed and evaluated by the **TECHNICAL COMMITTEE**. From the products and solutions submitted, the jury determined the winners of an EDP Award in their respective category. Thanks to everyone who participated in the EDP Awards. And congratulations to all the winners of these prestigious awards!

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
< 170 CM
Aleph | Laforte 600 Paper

Laforte 600 Paper is an industrial inkjet sublimation printer designed to deliver high-volume manufacturing of extremely high-quality printed textiles. Enabling a print speed of up to up to 850 sqm/h (24 print-heads) and up to 1000 sqm/h (48 printheads) at a print resolution of up to 1200 dpi in 4, 6 or 8 colors, Laforte 600 Paper offers an ideal solution to achieve industrial productivity with outstanding print quality, this printer uses a waterless process that reduces the consumption of water and energy, resulting in drastically lowered production costs and environmental impact.

Canon | Colorado M

The Colorado M-series is the new line of 1,6m roll-to-roll printers powered by the patented UVgel technology, and provides a unique configurable, in-field upgradable and modular platform that allows customers to dive deep into their creativity, produce high quality applications, while at the same time meet their demanding productivity

standards. the Colorado M-series enables an extended media range: structured, transparent, coloured, reflective, and even magnetic media are possible, without hassle.

Mimaki | JV330-160

It's Mimakis latest high performance solvent printer for the mid- to high-end market. Features (among others):- Photographic imaging with new generation printheads- Integrated XY cutter for inline trimming- Roll change system to house up to 3 rolls of media-Remote monitoring features, and more.

Mutoh | XpertJet 1682SR Pro

The XpertJet 1682SR Pro (64" – 1.6 m) carries two AccuFine HD print heads, each with 3200 nozzles, a new weaving algorithm and Mutoh's genuine VerteLith RIP software to deliver a significant improvement in both print quality and print speed. The XPJ-1682SRP is ideally suited for high productivity environments, delivering high quality production speeds up to 35 m²/h. The new printer also integrates automatic alignments to ensure uninterrupted production and consistent quality. Particularly interesting to users is that the printer comes with Mutoh's new MS51 quick dry CMYK inkset.

Mutoh | XpertJet 1641SR Pro

The 64" (162 cm) wide XpertJet 1641SR Pro sign & display printer is a robustly built and reliable printer, delivering high quality output – first time, every time. The successor to the XpertJet 1641SR model, the XPJ-1641SR-P has Mutoh's new AccuFine extra wide 1600 nozzle piezo print head on board and i-screen, a new weaving algorithm which suppresses banding even further. The VerteLith RIP integrates Mutoh proprietary Clear Tone Screening, delivering the gradients and skin tones, free of any noise.

ROLL-TO-ROLL PRINTER
< 350 CM
Aleph | Laforte 340 Fabric S

See Textile printers

Durst | Durst P5 350 HSR

The Durst P5 350 HSR is the most productive 3 meter roll-to-roll printer in the market with an effective print width of 3,5 meter and a maximum speed around 700 sqm/h. The P5350 HSR is based on the same platform technology as the successful P5 350 HS hybrid printer and is designed for unattended production of single and double rolls.

ENTRIES

PRINTING SYSTEMS

LARGE/WIDE FORMAT PRINTING

The printer is equipped with LED curing technology and allows 24/7 production cycles.

Thanks to the integrated Mesh-System, changing material from Banner to Mesh or vice-versa is done in seconds, and the XY cutting system, which allows sheets to be cut without interrupting the printing process, also increases efficiency and productivity. Its productivity and print quality, makes the P5 350 HSR a profitable solution for backlits, fine art prints, POP, banners, wallpaper and outdoor decorations.

Ricoh | Ricoh IM CW2200

The small footprint multifunction Ricoh IM CW2200 digital colour large format printer suits a wide range of environments from manufacturing, automotive, and construction to government departments, Central Reprographics Departments (CRDs), and small copy shops. The Ricoh IM CW2200 delivers, precision documents at up to 35.6mm/s for colour and up to 106.7mm/s for mono. The new automatic paper roll setting prints documents up to 33 metres long. The system uses Ricoh's waterproof GEL-Jet technology with inks that are smudge free and UV resistant.

It also includes GEL-Jet Ricoh Piezo permanent printheads, eliminating the need for replacements.

ROLL-TO-ROLL PRINTER > 350 CM

Durst | P5 500 D4

The Durst P5 500 is an efficient 5-meter large format printer equipped with LED curing technology and, thanks to its robustness, is designed for unattended printing when producing in single, dual and triple roll. In D4 configuration or in 6 color, it achieves a maximum printing speed of 386 sqm/h.

With features such as the integrated Mesh-System, a material change from Banner to Mesh or vice-versa is done in seconds. Also the XY cutting system, which allows sheets to be cut without interrupting the printing process, also increases efficiency and productivity.

FLATBED/HYBRIDE PRINTER < 100 sqm/h

Canon | Arizona 1300

The Arizona 1300 series of flatbed printers with FLOW technology are designed for Large Format applications to serve retail, interior décor, packaging or industrial segments.

This award-winning printer has led the market since 2007.

FLATBED/HYBRIDE PRINTER > 250 sqm/h

Agfa | Jeti Tauro H3300 Varnish

The Jeti Tauro H3300 LED offers producers of corrugated cardboard displays the option to add a layer of high-gloss or satin varnish – either applied to the entire surface (flood varnish) or to selected spots (spot varnish). The varnish embellishes the prints with a fine luxury look, while also protecting them to some extent.

Aleph | Laforte 600 Paper

See Roll-to-Roll printers

Durst | P5 350 HS D4

The P5 350 is one of the most versatile hybrid printer on the market for roll and board printing up to 3.5 m and achieves a productivity of up to 708 sqm/h (7,620 sq.ft/h). Thanks to its multiroll feature a fast media change and easy media handling render the printing process way more efficient. When printing single or dual roll, the correct transport of the roll media is granted by a tensor bar system.

ENTRIES

PRINTING SYSTEMS

LARGE/WIDE FORMAT PRINTING

swissQprint | Kudu

Kudu is a flatbed printer featuring a unique combination of high productivity (max. 300 sqm/h) and first-class output quality thanks to latest print head technology and precise droplet placement. Kudu has 10 freely configurable colour channels, accommodating a maximum of 30 print heads and enabling greatest versatility. It is user-friendly, reliable, and highly energy-efficient.

PRINT & CUT SOLUTION

Mimaki | CJV330-160

Mimakis latest high performance printer/cutter offers (among others) photographic imaging with new generation printheads, integrated XY cutter and roll change system to house up to 3 rolls of media. The CJV330-160 uses ID Cut function, which prints an ID barcode with cutting and rotation information. The crop mark sensor then reads the barcode and automatically executes cutting of consecutive jobs.

SPECIAL APPLICATION PRINTER

Canon | imagePROGRAF GP

The imagePROGRAF GP Series is the world's first large format printer with aqueous pigment fluorescent

pink ink for value-added output and graphics applications. The imagePROGRAF GP-2000/4000 models have a 10-Colour pigment-based plus Fluorescent Pink ink set, which includes Green, Orange, Red, Violet,

Matte Black, Black, Cyan, Magenta, Yellow and Gray colours.

TEXTILE PRINTER ROLL-TO-ROLL > 100 sqm/h

Aleph | Laforte 600 Paper

See Roll-to-Roll printers

Aleph | Laforte 340 Fabric S

Aleph's Laforte 340 with a width of 340mm has been designed to address the specific needs of home textiles market segment with pigment inks aleph M22. Streamlining the production of wallpapers, curtains, drapery and upholstery, this direct-to-textile inkjet printing solution enables to achieve high print quality and high speed (up to 570 sqm/h) with high fastness and at a competitive cost.

The Laforte technology guarantees low consumption of ink, water and energy. The aleph M22 pigment inks are formulated with a newly developed blend of pigments and binders,

designed to provide soft touch, high colour vibrancy and high fastness. The inks are developed with the use of nanotechnologies and environmental sustainability in mind.

Kornit | Presto MAX

Kornit Presto MAX is the most versatile on-Demand single-step DTF solution for high-quality, direct-to-fabric decoration, including white printing on colored fabrics.

See Category 7, Inks & Toners.

Mimaki | TS330-1600

The Mimaki TS330-1600 is the new high-volume sublimation printer from Mimaki. Clocking a maximum print speed of 135sqm/h, the Mimaki TS330-1600 achieves superb productivity and delivers a new level of quality with higher sharpness and a more uniform density, even at low pass printing, all for lower costs. The printer offers improved print quality and stable operation through multiple Mimaki core technologies as well as a scalable production with optional Mini Jumbo Roll unit and 10kg ink supply, remote monitoring features, and more.

RESULTS

PRINTING SYSTEMS

LARGE/WIDE FORMAT PRINTING

Category	Company	Product	Judging results
Roll-to-roll printers < 170 cm			
	Aleph	Laforte 600 paper	Finalist
	Canon	Colorado M	Award Winner 22/23
	Mimaki	JV330-160	Finalist
	Mutoh	XpertJet 164SR Pro	Finalist
	Mutoh	XpertJet 1682SR Pro	Finalist
Roll-to-roll printer < 350 cm			
	Aleph	Laforte 340 Fabric	Finalist
	Durst	Durst P5 350 HSR	Award Winner 22/23
	Ricoh	IM CW2200	Finalist
Roll-to-roll printer > 350 cm			No Award in 22/23
	Durst	P5 TEX iSUB	
Flatbed/hybrid printer < 100 sqm/h			No Award in 22/23
	Canon	Arizona 1300	Next year
Flatbed/hybrid printer > 250 sqm/h			
	Agfa	Jeti Tauro H3300 Varnish	Finalist
	Aleph	Laforte 600 paper	
	Durst	Durst P5 350 HS D4	Finalist
	swissQprint	Kudu	Award Winner 22/23
Print & cut solution			No Award in 22/23
	Mimaki	JV330-160	
Special application printer			No Award in 22/23
	Canon	ImagePROGRAF GP 2000/4000	

RESULTS

PRINTING SYSTEMS

LARGE/WIDE FORMAT PRINTING

Category	Company	Product	Judging results
Textile printer roll-to-roll > 100 sqm/h			
	Aleph	Laforte 600 paper	Finalist
	Aleph	Laforte 340 Fabric	Award Winner 22/23
	Kornit	Presto Max	Nominee
	Mimaki	TS330-1600	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 2021: 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

Aleph | Laforte 600

Canon | Colorado M

Mimaki | JV330-160

Mutoh | XpertJet
1682SR Pro

Mutoh | XpertJet
1641SR Pro



The areas of application for large format printing range from technical documents in engineering offices and agencies to displays and banners in advertising agencies and print shops. Especially the machines under 170 cm wide are extremely widespread, are under high competitive pressure and offer impressive quality and speed.

THE WINNER

Canon | Colorado M

The Colorado M-series is the new line of 1,6m roll-to-roll printers powered by the patented UVgel technology, and provides a unique configurable, in-field upgradable and modular platform that allows customers to dive deep into their creativity, produce high quality applications, while at the same time meet their demanding productivity

standards. the Colorado M-series enables an extended media range: structured, transparent, coloured, reflective, and even magnetic media are possible, without hassle.

Technical Committee's opinion:

The Canon Colorado M-Series printer with unique UVgel technology combines excellent quality, high productivity and extensive versatility. This second generation of UV-gel offers more possibilities with an

optional white ink. It accepts also a wide range of substrates - some which cannot be managed by other roll-to-roll printers. The Canon Colorado also takes a step forward with the ability change speed via software upgrade – even temporarily. This opens up new business models with low operating costs.

› www.canon-europe.com

ROLL-TO-ROLL PRINTERS < 350 CM

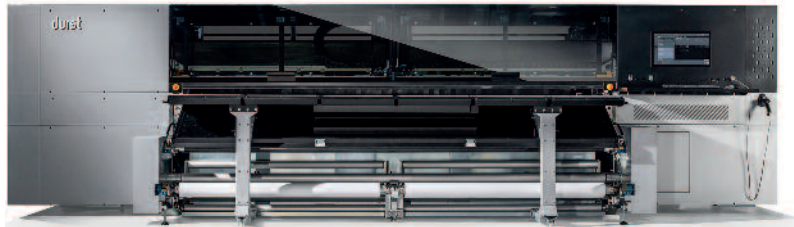


FINALISTS

**Aleph | Laforte 340
Fabric**

Durst | Durst P5 350 HSR

**Ricoh | Ricoh IM
CW2200**



The market between 170 cm and 350 cm is expanding rapidly with many players and different applications. Almost every manufacturer now has a solution in this segment. The 3.5 market is offered in UV, Solvent and water-based inks. Today the speed and quality matches the small large format printing devices.

THE WINNER Durst | Durst P5 350 HSR

The Durst P5 350 HSR is the most productive 3 meter roll-to-roll printer in the market with an effective print width of 3,5 meter. The P5350 HSR is based on the same platform technology as the successful P5 350 HS hybrid printer and is designed for unattended production of single and double rolls. The printer is

equipped with LED curing technology and allows 24/7 production cycles.

Thanks to the integrated Mesh-System, changing material from Banner to Mesh or vice-versa is done in seconds, and the XY cutting system, which allows sheets to be cut without interrupting the printing process, also increases efficiency and productivity. Its productivity and print quality, makes the P5 350 HSR a solution for backlits, fine art prints, POP, banners and wallpaper.

Technical Committee's opinion:

The Durst P5 350 HS is the hybrid solution of excellence. Designed for roll and board printing up to 3.5 m, it reaches a productivity up to 650 sqm/h. All you can expect from Durst: fast media change, easy maintenance handling and full safety render the printing process incl. the Durst Print Workflow software and the monitoring tool.

› www.durst-group.com

FLATBED/HYBRID PRINTER > 250 sqm/h



FINALISTS

Agfa | Jeti Tauro H3300
Varnish

Aleph | Laforte 600
Paper

Durst | P5 350 HS D4

swissQprint | Kudu



Industrial printers are located in the 250 sqm/h category and above. This market is highly competitive and offers astonishing developments at the highest technical level year after year.

THE WINNER swissQprint | Kudu

Kudu is a flatbed printer featuring a unique combination of high productivity (max. 300 sqm/h) and first-class output quality thanks to latest print head technology and precise droplet placement. Kudu has 10 freely configurable colour channels, accommodating a maximum of 30 print heads and enabling greatest versatility. It is user-friendly, reliable, and highly energy-efficient.

Technical Committee's opinion:

The swissQprint Kudu flatbed printer with 10 colors is the most advanced large format printer in the market today. A fully automated feed and maintenance system for white is also available. It provides printer service providers with freedom in composing color palettes. In addition, it delivers output, up to 304 m² per hour - a very reasonable performance. In short, the printer does address a very mature

market where versatility, driven by new applications and substrates, is critical.

› www.swissqprint.com

TEXTILE PRINTER ROLL-TO-ROLL > 100 sqm/h



FINALISTS

Aleph | Laforte 600
Paper

Aleph | Laforte 340
Fabric

Kornit | Presto MAX

Mimaki | TS330-1600



Textiles and clothing have become an integral part of the large-format printing landscape and are increasingly making the transition from analogue to digital printing. Some companies have recognised this trend at an early stage and introduced high-performance solutions in this market segment.

THE WINNER

**Aleph | Laforte 340
Fabric**

Aleph's Laforte 340 with a width of 340mm has been designed to address the specific needs of home textiles market segment with pigment inks aleph M22. The aleph M22 pigment inks are formulated with a newly developed blend of pigments and binders, designed to provide soft touch, high colour vibrancy and high

fastness. The inks are developed with the use of nanotechnologies and environmental sustainability in mind.

Technical Committee's opinion:

aleph's Laforte 340 has been designed to address specific needs of home textiles market segment addressing applications such as curtains, drapery, upholstery and wallpaper. This direct-to-textile inkjet printing solution enables to achieve superior print

quality, high speed (up to 570 sqm/h) with high fastness and water-based inks. In addition, it provides excellent economics. The printer benefits from the aleph sustainability commitment reducing use of water and energy. The print engine is very robust based on the flagship model Laforte 600 and it can help textile print service providers to address new business opportunities.

› www.alephteam.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.

**WEB FED COLOR < 550 MM
WEB WIDTH**
Kodak | Prosper 7000 Turbo

The Kodak Prosper 7000 Turbo Press delivers speeds of 410 mpm (1,345 fpm), nearly 35% faster than its nearest competitor and is able to print over 200 million A4 pages per month. With three optimized print modes — Quality, Performance and Turbo — the press allows to fine-tune the production process to give the optimal combination of resolution and speed. The Prosper 7000 Turbo Press delivers some of the lowest print costs of any inkjet press on the market. Automated processes reduce the need for manual user input.

LABEL PRINTER
Bobst | Digital Master 340

From a digital-only press to an All-in-line label production, these label printing presses enable customers to build their own press and evolve it over time. The Digital Master 340 is a fully digitalized and automated production line, from printing to embellishment and cutting.

Reaching speed of 100 m/min at full native resolution of 1200 dpi, in four or six colors plus optional digital white, the Digital Master 340 bridges the gap between traditional digital and flexo machines.

Bobst | Digital Master 510

The Digital Master series changes the way label production is done. From a digital-only press to an All-in-line label production, these label printing presses enable customers to build their own press and evolve it over time. The pure digital configuration of the Digital Master 510 provides high quality digital label production in 510mm print width. Included in the pure digital configuration is the digital printing unit, a quality control system, and jumbo unwinders and rewinders with automated roll-lifting system, which reduce the number of roll changes, saving time and effort. It can reach speeds of 100m/min at full native resolution of 1200 dpi, in four or six colors plus optional digital white. It is digitally automated for exceptionally high uptime, low waste and outstanding repeatability, regardless of the operator's skills. Quality control is guaranteed by Bobst Accucheck for 100% inline inspection at full speed. This proven technology

checks registration, quality, and color consistency of digital print to ensure fault-free production. The Digital Master series is based on a fully modular and upgradeable architecture, enabling customers to build their own press and evolve it over time to fit changing application needs and new market trends.

**COMBINED LABEL
AND FLEXIBLE PACKAGING
PRINTERS**
**Kodak | Sapphire EVO W with
Kodak Ultrastream**

The Sapphire EVO W is a digital packaging press to match the productivity of flexo and the quality of gravure. It uses Kodak's high-resolution Ultrastream Inkjet Technology and QD Packaging inks for the 1.26m (49.6") wide digital press for flexible packaging. With run lengths of up to 20,000 m², or more with variable content, the Sapphire EVO W delivers high CMYK inkjet quality at 600x 1800 dpi at speeds of up to 150 mpm (500 fpm).

RESULTS

PRINTING SYSTEMS

COMMERCIAL PRINTING

Category	Company	Product	Judging results
Web fed color < 550 mm web width			No Award in 22/23
	Kodak	Kodak Prosper 7000 Turbo	
Label Printer (•)			
	Bobst	Digital Master 340	
	Bobst	Digital Master 510	Award Winner 22/23
Combinded label and flexible Packaging printers			
	Kodak	Sapphire EWO W with Kodak Ultrastream	Award Winner 22/23

* 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 2021: The jury did not suggest an award for this category this year.

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

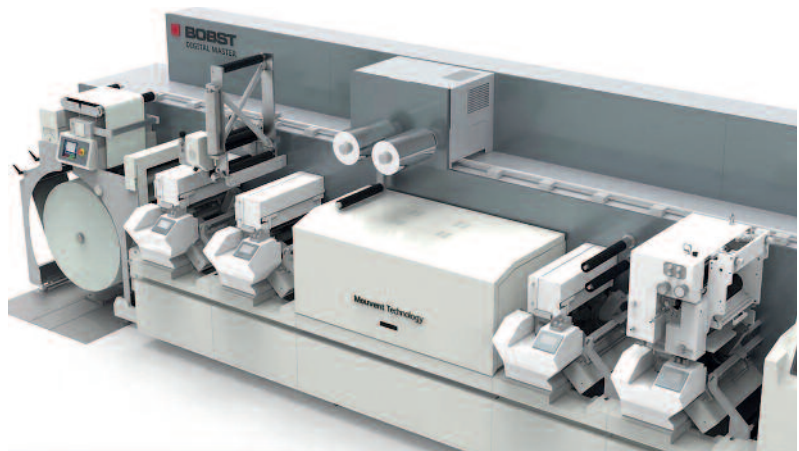
LABEL PRINTER



FINALIST

**Bobst | Digital Master
340**

**Bobst | Digital Master
510**



They have long been more than decoration and are taking on more and more functions. In addition to the marketing aspect that a label has for a brand, the flexible stickers are also increasingly used for counterfeit protection. The development of printing technology, new inks and substrates as well as finishes also make it possible to integrate completely new functions into labels.

THE WINNER

**Bobst | Digital Master
510**

The Digital Master series changes the way label production is done. From a digital-only press to an All-in-line label production, these label printing presses enable customers and evolve it over time. The pure digital configuration of the Digital Master 510 provides high quality digital label production in 510mm print width.

Technical Committee's opinion:

The Bobst Digital Master 510 mm offers the most complete feature set for label production. It set the bar high with the modularity and upgradability combining digital and flexo printing units. In addition, it offers embellishment and finishing. The integrated AccuCheck system for calibration and quality control is unique control each and every label. The level of automation answers operator's

shortages and the upgradability protects converter's investments. The print width enables high label production productivity and very large labels or tickers production.

› www.bobst.com

COMBINED LABEL AND FLEXIBLE PACKAGE PRINTER



FINALIST

**Kodak | Sapphire EVO W
with Kodak Ultrastream**



The combination of a printer for labels and flexible packaging may seem a little pointless at first, but the boundaries between labels and flexible packaging are blurred after a certain point. For printers who offer both, this is an ideal situation.

THE WINNER **Kodak | Sapphire EVO W with Kodak Ultrastream**

The Sapphire EVO W is a digital packaging press to match the productivity of flexo and the quality of gravure. It uses Kodak's high-resolution Ultrastream Inkjet Technology and QD Packaging inks for the 1.26m (49.6") wide digital press for flexible packaging. With run

lengths of up to 20,000 m², or more with variable content, the Sapphire EVO W delivers high CMYK inkjet quality at 600x1800 dpi at speeds of up to 150 mpm (500 fpm).

Technical Committee's opinion:

In flexible packaging, the Uteco Sapphire EVO W in 1260 mm print width opens a new dimension to flexible packaging short and medium runs production, Its configuration, with Kodak Ultrastream

Continuous Water based Inks respects the environment. Plastic films, Aluminum, Paper, Cardboard can be process for food, liquid, health care and industrial applications. This machine contributes to the digitalization of packaging production.

› www.kodak.com



FINALISTS AND WINNERS
INDUSTRIAL SOLUTIONS
PRINT & FINISHING

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ENTRIES

INDUSTRIAL SOLUTIONS

PRINT & FINISHING

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LABEL PRINTING SOLUTION

Bobst | Digital Master 340 Advanced

The Digital Master 340 advanced all-in-one, all-in-line configuration provides a fully digitalized and automated production line, from printing to embellishment and cutting. Reaching speed of 100 m/min at full native resolution of 1200 dpi, in four or six colors plus optional digital white, the Digital Master 340 bridges the gap between traditional digital and flexo machines. It offers printing, embellishment and cutting in a single pass, with seamless native integration between the UV inkjet digital engine, the flexo and converting modules. Each print, embellishment and finishing module is digitally automated for exceptionally high uptime, low waste, and outstanding repeatability regardless of the operator's skills. Quality control is guaranteed by Bobst AccuCheck for 100% inline inspection at full speed.

FLEXIBLE PACKAGING SOLUTION

Bobst | One complete solution

One complete solution is a range of tailored package of end-to-end solutions by Bobst to create a perfect flexible packaging workflow for converters, based on their specific production needs. It's a portfolio of end-to-end workflows that connect all steps, with a choice of solutions from production file and pre-press through to the reels of printed (different print technologies) or laminated substrates, or of high barrier functional films or paper.

The workflow, available since 2022, includes full pre-press set up with smartGPS technology, plus sleeve mounting with the partner, AV Flexographic, plus a CI Flexo press with the Vision CI, plus quality control with the Bobst digital inspection table, plus lamination with the solventless Nova SX 550 Laminator, plus all essential data and digital services with Bobst Connect.

WALLPAPER PRODUCTION

Durst | Alpha Wallpaper Edition

Highspeed 1,65 m Inkjet Printer with water based pigment inks for Industrial Wallpaper Production. Printing

speed up to 710 sqm/h. Feeding System for roll diametres up to 2 m. Inline Finishing for ready-to-ship-products. Water based Durst pigment inks for odorless wall coverings with natural and matt appearance. Alpha series 5 printhead technology for perfect color consistency. Integrated reporting software for maximum transparency of production output (Durst Analytics).

TEXTILE PRODUCTION

Kornit | Presto MAX

See Category 7, Inks & Toners.

GLASS PRODUCTION

swissQprint | Glass Option

High quality full bleed printing on pre-cut glass panels. With accurate registration for multiple productions and protective paper that saves the user cleaning the print bed. swissQprint flatbed printers can be equipped with this option for glass printing. It includes the specially developed ink set that adheres directly on glass - no primer needed.

RESULTS

INDUSTRIAL SOLUTIONS

PRINT & FINISHING

Category	Company	Product	Judging results
Label printing solution			No Award in 22/23
	Bobst	Digital Master 340 Advanced	
Flexible Packing Solution			
	Bobst	One complete solution	Award Winner 22/23
Wallpaper Production			No Award in 2021
	Durst	Alpha Wallpaper Edition	
Textile Production			No Award in 2021
	Kornit	Presto MAX	
Glass Production			
	swissQprint	Glass Option	Award Winner 22/23

* EDP member submission.

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

FLEXIBLE PACKAGING SOLUTION



FINALIST

Bobst | One complete solution



The packaging market is on the move and with it the flexible packaging market. Digital printing is also venturing into the market for this type of packaging due to declining print runs. All the more important that it can be considered as a production unit.

THE WINNER Bobst | One complete solution

One complete solution is a range of tailored package of end-to-end solutions by Bobst to create a perfect flexible packaging workflow for converters, based on their specific production needs. It's a portfolio of end-to-end workflows that connect all steps, with a choice of solutions.

Technical Committee's opinion:

The new Bobst One complete solution creates a perfect flexible packaging workflow. The solution is for the first time encompassing all the partners required from substrates vendors, to lamination and to converting. This is the first time to see such a collaboration reaching very high productivity levels using CI Flexo technology. machine, tools, pre-press and service are integrated. The new one-

Barrier elements reducing the environmental issues is integrated helping brand owners to offer sustainable, recycle-ready packaging with excellent barrier properties. From a technical point of view the solutions can be very productive addressing all kind of job length with good economics. In short, if well produce, flexible packaging has a future.

› www.bobst.com

GLASS PRODUCTION



FINALIST

swissQprint | Glass Option



The fact that large-format printers can print on different rigid materials is nothing new. It is also known that glass can be printed. Until now, however, this usually required large and specialised machines. This will remain the case for large surfaces, but smaller formats are often sufficient for advertising and marketing.

THE WINNER swissQprint | Glass Option

High quality full bleed printing on pre-cut glass panels. With accurate registration for multiple productions and protective paper that saves the user cleaning the print bed. swissQprint flatbed printers can be equipped with this option for glass printing. It includes the specially developed ink set

that adheres directly on glass - no primer needed.

Technical Committee's opinion:

The swissQprint full bleed printing option for pre-cut glass panels open new business opportunities. The accurate registration for multiple productions and protective paper saves the user cleaning the print bed. swissQprint flatbed printers can be equipped with this option including the specially developed inks that adheres directly

on glass - no primer is needed. This solution enables new applications while protecting existing investments.

› www.swissqprint.com



FINALISTS AND WINNERS **FINISHING & ENHANCEMENT**

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ENTRIES

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.

WIDE FORMAT CUTTING SOLUTION

eurolaser | PositionPlus Professional

POSITIONplus professional is an optical recognition system for workflow optimisation when laser cutting printed materials. The entire working area of the cutting system is detected via surface scan and the processing is aligned accordingly. For the precise cutting to existing registration marks, patterns or print contours eurolaser offers an intelligent solution consisting of a camera and evaluation software. Using reference points, the optical recognition system allows printed materials to be cut out precisely along the print contour. POSITIONplus professional considerably reduces the time needed to read in the register marks and optimises the process time.

Fotoba | XLA170

The XLA is a fully automatic XY cutter for variable sizes. By means of a printed barcode, the cutter is able to automatically change the position of the vertical blades, allowing unattended high speed of squared variable sizes prints.

Mimaki | CG-AR Series

The CG-AR Series is Mimakis latest range of entry-model cutting plotters. In addition to cutting letters, labels, and stickers, the CG-AR also supports full cutting and folding lines of sheet-fed materials (e.g. cardboards). Available in three sizes: 60cm, 100cm and 130cm. The high accuracy cutting plotters is 105% faster than the previous model. The ID Cut function which prints an ID barcode. The crop mark sensor then reads the barcode and automatically executes cutting of consecutive jobs, saving time and reducing potential material waste.

CUTSHEET FINISHING SOLUTION INLINE

Tecnau | BookReady

Tecnau builds on its expertise in on-line cutting and stacking for sheet-fed print with the introduction of BookReady, offering the converting of SRA3+ (13" x 19") sheet sizes printed in 2up and 4up into final size book blocks such as A4 and A5 (letter and 5.5" x 8.5") ready for nearline perfect binding.

The new cut-sheet finishing solution may be equipped with an automatic 90-degree turning station to rotate 2-up imposed sheets from long-

edge leading to short-edge leading, so that printer speed is maximized and book of one is made possible. Book blocks are neatly cut, stacked, offset separated and delivered to a belt conveyor ready for the next finishing process.

WEB FINISHING SOLUTION

Tecnau | Revolution 50 Roll-to-Roll

The Revolution 50 Roll-to-Roll solution reliably unwinds and rewinds rolls across the widest breadth of applications, keeping inkjet presses running. Featuring adjustable controls, Revolution 50 Roll-to-Roll accommodates the wide range of tensions required for varying papers to be run by the newest high-speed color inkjet presses. Center-shaft driven, this solution rewinds rolls at speeds up to 820 feet per minute (250 m/min), and is ideal for commercial print applications.

ENTRIES

FINISHING

DIGITAL FINISHING

Zünd | Q-Line with BHS 180

Zünd is expanding its machine portfolio with a powerful system solution. The company has raised the bar for industrial, pallet-to-pallet production with the new Q-Line with BHS180 Board Handling System and Undercam.

The new Q-Line with BHS180 complements Zünd's current offering and raises the bar for industrial, efficient, pallet-to-pallet production. The new Q-Line with BHS180 is an integrated system solution. It is specifically intended for the demands of highly automated, industrial finishing of printed boards for displays and packaging. The individual components – board feeder with UNDERCAM, the new Q-Line cutter generation, and the off-load unit – are optimally coordinated and provide previously unattainable levels of productivity. Together, they offer incredible cutting accuracy and reliability. Consequently, they make it easier than ever for packaging and display manufacturers to automate their cutting operations and achieve maximum efficiency.

FINISHING SUPPORT TOOLS

Elitron | Automatic Feeding System

Elitron's AFS (Automatic Feeding System) uses a carriage loaded with sheet materials aligned to the left, which is positioned at the front stop barrier with respect to the zero point of the Automatic Feeding System. A structurally dimensioned lift then raises the carriage to precisely align the correct Z height of the sheets to be processed. The AFS Protective Media Handling version is designed for contact-free sheet handling. Sheets are transported from the stack to the cutting system without them coming into contact with each other, preventing any scratches or damage to the print during this loading process. The mechanism is interposed, using a suction gantry to lift the sheet from the stack vertically without touching the next sheet in the stack. Subsequently a suspended, retractable, roller system is activated in order to facilitate the smooth transition and positioning of the sheet onto the cutting table.

KAMA | CPX 106

The KAMA CPX 106 is a digital positioning system for the sheet format 81, which shortens the setup time in

Finishing substantially. The CPX 106 support system with several calculating programs is easy to use and an efficient time- and cost-saver for job setup for any flat-bed embossing machine. The CPX 106 support system with several calculating programs is easy to use and an efficient time- and cost-saver for job setup for any flat-bed embossing machine.

Zünd | BHS 180

See Q-Line with BHS 180

RESULTS

FINISHING

Category	Company	Product	Judging results
Wide format cutting solution			
	eurolaser	PositionPlus Professional	
	Fotoba	XLA 170	Award Winner 22/23
	Mimaki	CG-AR-Series	
Cutsheet finishing solution inline			
	Tecna	BookReady	Award Winner 22/23
Web finishing solution			
	Tecna	Revolution 50 Roll-to-Roll	No Award in 22/23
Digital finishing			
	Zünd	Q-Line with BHS 180	Award Winner 22/23
Finishing Support Tool			
	Elitron	Automatic Feeding System	
	KAMA	CPX 106	Award Winner 22/23
	Zünd	BHS 180	

* EDP member submission.

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WIDE FORMAT CUTTING SOLUTION



FINALISTS

eurolaser | **PositionPlus Professional**

Fotoba | **XLA170**

Mimaki | **CG-AR Series**



Digital cutting solutions occupy a wide range of applications. It ranges from print & cut solutions to automated CNC tools, laser cutting systems and fully automatic cutting solutions for large sheets as a stand-alone solution or integrated into complete workflows such as wallpaper solutions.

THE WINNER Fotoba | **XLA170**

The XLA is a fully automatic X/Y cutter for variable sizes. By means of a printed barcode, the cutter is able to automatically change the position of the vertical blades, allowing unattended high speed of squared variable sizes prints.

Technical Committee's opinion:

The Fotoba XLA170 offers automation, helping to increase productivity and reduce labor costs in wide format cutting. This system is a step forwards in automating the workflow. The barcode reader technology applied is not new but its application in wide format cutting is very pragmatic. Combined with six double rotary slitters, it enables a good

productivity. Last, it can be combined to most of the large format printers in the market. displays.

› www.fotoba.com

CUTSHEET FINISHING



FINALIST

Tecnau | **BookReady**



Even supposedly analogue techniques such as binding single sheets have been captured by digitisation. Now that the possibilities of book block production from the roll have been realised, the binding of single sheets follows.

THE WINNER

Tecnau | **BookReady**

Tecnau builds on its expertise in online cutting and stacking for sheet-fed print with the introduction of BookReady, offering the converting of SRA3+ (13" x 19") sheet sizes printed in 2up and 4up into final size book blocks such as A4 and A5 (letter and 5.5" x 8.5") ready for near-line perfect binding. The new cut-sheet finishing solution may be equipped with an automa-

tic 90-degree turning station to rotate 2-up imposed sheets from long-edge leading to short-edge leading, so that printer speed is maximized and book of one is made possible. Book blocks are neatly cut, stacked, offset separated and delivered to a belt conveyor ready for the next finishing process.

Technical Committee's opinion:

The Tecnau BookReady solution is a completely automated system for

short-run and book-on-demand production inline to sheetfed digital printers. The full automation goes well into the direction of the so called "dark factories" from industry 4.0 which will prevail as of 2030 - book production is each day, advancing with more automation and less errors. This module is perfect to be integrated with the recently announced new inkjet presses.

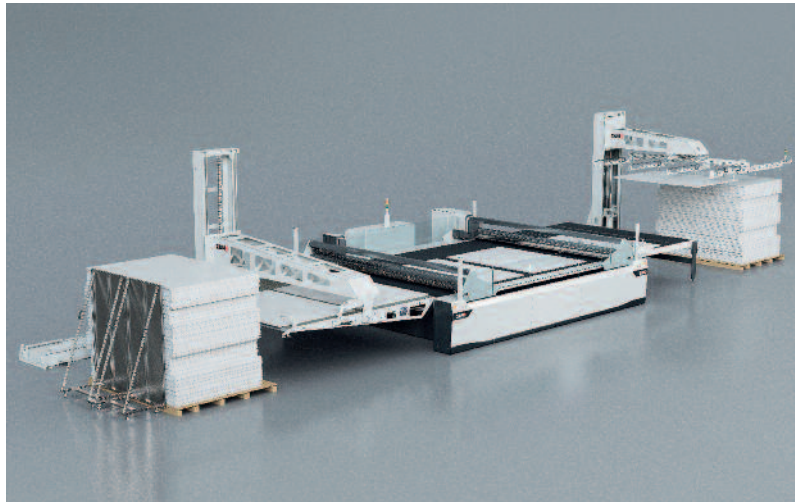
› www.tecnau.com

DIGITAL FINISHING



FINALIST

Zünd | Q-Line with BHS 180



Digital cutter solutions are an integral part of large and wide format printing. For a while it looked as if laser cutters could come closer to the well-known solutions with different tools. But the fronts seem to have been cleared due to new digital cutters with even higher performance.

THE WINNER Zünd | Q-Line with BHS 180

Zünd is expanding its machine portfolio with a powerful system solution. The company has raised the bar for industrial, pallet-to-pallet production with the new Q-Line with BHS180 Board Handling System and Undercam.

Technical Committee's opinion:

In digital finishing, the extraordinary modularity of the new Zünd cutter is unique. It adapts to new requirements with modifications and upgrades. The Zünd's modular design concept lets you put together tailor-made cutting solutions and protects your investments. The cutting platform was completely redesigned with updated tool holders. The linear motor drive ensures even higher accuracy. To-

gether with the double bridge and updated software control, it provides higher processing speed..

› www.zund.com

FINISHING SUPPORT TOOL



FINALIST

KAMA | CPX 106



Finishing and die-cutting are part of many print projects. But preparing cutting dies is often a time-consuming affair. Here, too, digitisation can help.

THE WINNER KAMA | CPX 106

The KAMA CPX 106 is a digital positioning system for the sheet format 81, which shortens the setup time in Finishing substantially. The CPX 106 support system with several calculating programs is easy to use and an efficient time- and cost-saver for job setup for any flat-bed embossing machine. The CPX 106 support system with

several calculating programs is easy to use and an efficient time- and cost-saver for job setup for any flat-bed embossing machine.

Technical Committee's opinion:

The KAMA CPX 106 professional cliché positioning system sheet format is now available for the popular B1 format. It speeds up all types of positioning tasks. It enables up to a 90% reduction

in set-up time. This is a major innovation for an industry required to grow automation and reduce machine setup time.

› www.zund.com



FINALISTS AND WINNERS

MEASUREMENT & CALIBRATION AND ROBOTICS

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ENTRIES

MEASUREMENT & CALIBRATION AND ROBOTICS

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MEASUREMENT & CALIBRATION

Bobst | AccuCheck

AccuCheck guarantees reliable production that meets the expectations of even the most demanding customers. Since the market launch of the first generation, Bobst has continuously developed the quality assurance system and with the current version has made zero-defect production in label and packaging production a reality. As an inline solution, the system checks folding box blanks and labels.

Just Normlicht | DLS Color Viewing Light

The LED-based DLS Color Viewing Light v8 enables to assess graphic and industrial materials of all kinds in compliance with standards such as ISO 23603, ISO 3668, ISO 3664, ASTM D1729 and CIE S 012. In addition to the luminants D50, D65 and UV-A, two specific LED illuminants (B1, B2 or B3) according to CIE 15:2018 can be added to the viewing booth, according to customer need.

ROBOTICS

Durst | P5 Robotics

Durst P5 Robotics is the ultimate automation system for the Durst P5 printer series designed for maximum versatility in an automated, continuous production process and capable of handling different size and type of board media. It can be integrated into a production environment to reduce complexity, labor cost and human failure, and to increase the efficiency and productivity. Bottlenecks caused, for example, by reversing boards manually for backside printing or going directly in an after-printing finishing station, can be eliminated through simple and precisely programmable motion sequence.

Robotfactory | Robot Porta Table 130

Robot PortaTable 130 is a finishing automation system designed for use with digital Zünd cutters. It consists of a multipurpose roller-table with a build-in collaborate UR10 robot from Universal Robots. The flexible and fully integrated collaborative Robot PortaTable 130 acts as an assistant operator in combination with

any Zünd cutter. Designed for plug and play connection, it is running directly out of the box – no initial programming needed. Picking, sorting, kitting, stacking, loading and unloading tasks are dynamically available for a wide range of substrates and applications – graphics, packaging etc. Designed to serve multiple cutters where needed, the Robot PortaTable 130 helps automate and to reduce operator intervention and cost. Customers take advantage of the unit being easily moved from cutter to cutter, or for multiple applications around the front, side and back of the same cutter. Robot PortaTable is modular build and offers optional end-of-arm gripper-tools.

RESULTS

**MEASUREMENT & CALIBRATION
AND ROBOTICS**

Category	Company	Product	Judging results
Measurement & Calibration			
	Bobst	AccuCheck*	Award Winner 22/23
	Just Normlicht	DLS Color Viewing Light	
Robotics			
	Durst	P5 Robotics	Award Winner 22/23
	Robotfactory	Robot Porta Table 130	

* EDP member submission.

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MEASUREMENT & CALIBRATION



FINALIST

Bobst | AccuCheck

Just Normlicht | DLS
Color Viewing Light



In label and packaging production today, it is more important than ever to eliminate defective products from the production process. In some market segments this is even a must. Examples are packaging for the pharmaceutical industry and for luxury articles. At the speeds of today's machines, manual over-inspection is absolutely not possible.

THE WINNER

Bobst | AccuCheck

AccuCheck guarantees reliable production that meets the expectations of even the most demanding customers. Since the market launch of the first generation, Bobst has continuously developed the quality assurance system and with the current version has made zero-defect production in label and packaging production

a reality. As an inline solution, the system checks folding box blanks and labels.

Technical Committee's opinion:

Calibration and quality control is a major topic for the labels & packaging industry. The newly launched BOBST ACCUCHECK solution for labels reset expectations for label converters checking all labels at 100 m/min. It is built on the proven folding carton solution checking a large

range of quality defects at up to 350 m/min. The technology is also used for a perfect calibration of the inkjet printing process without human intervention. Such technologies, not only enable better products, but as well reduce waste.

› www.bobst.com

ROBOTICS



FINALIST

Durst | P5 Robotics

Robotfactory | Robot
Porta Table 130



Robots are being used more and more in the graphic arts industry. However, it is not only about heavy loads or packaging tasks, but also about small-scale work that requires a high level of manual input. This is where robots can be extremely helpful.

THE WINNER Durst | P5 Robotics

Durst P5 Robotics is the ultimate automation system for the Durst P5 printer series designed for maximum versatility in an automated, continuous production process and capable of handling different size and type of board media. It can be integrated into a production environment to reduce complexity, labor cost and human failure, and to increase the efficiency and

productivity. Bottlenecks caused, for example, by reversing boards manually for backside printing or going directly in an after-printing finishing station, can be eliminated through simple and precisely programmable motion sequence.

Technical Committee's opinion:

Durst Robotics drives the graphic industry towards the industry 4.0 vision. It turns printing into a continuous process thanks to

the use of robots on both the loading and unloading side, even when several plates are loaded side by side. It is no longer necessary to start the next print job only after a complete row of plates has been loaded. The software allows each image to be started individually so that the same robot can insert plate by plate without losing print time.

› www.zund.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.

PIGMENT INKS

Aleph | Laforte 340 Fabric

The Laforte technology guarantees low consumption of ink, water and energy. The aleph M22 pigment inks are formulated with a newly developed blend of pigments and binders, designed to provide soft touch, high colour vibrancy and high fastness. The inks are developed with the use of nanotechnologies and environmental sustainability in mind.

SOLVENT INKS

Mutoh | MS51 inks

Mutoh's MS51 CMYK inks - available in litre packs - are cost-effective quick dry sign & display inks which enable printing on the widest range of uncoated and coated substrates, for indoor and outdoor durable commercial graphics. The MS51 inks offer health and safety features: they do not carry any danger or hazard symbols, are gBL free and allow ozone free printing. As such, they can be used in regular offices, home based businesses or small retail environments.

Mutoh MS51 inks offer wide media compatibility, superior colour gamut, excellent weather, abrasion and chemical resistance, UV durability up to 3 years without lamination and last but not least unique gloss preservation of prints. In addition, they offer excellent drying properties. There is also no additional printer maintenance required.

TEXTILE INKS OR TONERS

Kornit | Presto MAX

Kornit Presto MAX is the most versatile on-Demand single-step DTF solution for high-quality, direct-to-fabric decoration, including white printing on colored fabrics.

ENVIRONMENTAL INKS

Mutoh | MS51 inks

See »Solvent inks«

CONSUMABLES

Bobst | oneBarrier

oneBarrier is a family of new alternative and sustainable solutions developed by Bobst together with several industry partners. The solutions include oneBarrier PrimeCycle – a polymer-based mono-material, which is recycle-ready while retaining excellent barrier qualities, making it an alternative to metallized polyester film and a potentially groundbreaking development for sustainable packaging. Institute Cyclos awarded Bobst an EU-wide certification of recyclability for oneBarrier PrimeCycle AIOx with a recyclability level of 98%. oneBarrier FibreCycle meanwhile is a full paper, mono-material, recycle-ready solution created together with partners Michelman and UPM. For this project, we maximize the fibre content, making it easier for the recycling process whilst offering paper solutions with barrier performances that are also equivalent to Metallized PET. With FibreCycle, we are responding to increasing demand in the industry for more paper-based packaging options.

RESULTS

CONSUMABLES

INKS, TONERS, SUBSTRATES

Category	Company	Product	Judging results
Pigment inks			No Award in 22/23
	Aleph	Laforte 340 Fabric	
Solvent inks			No Award in 22/23
	Mutoh	MS51 inks	
Textile inks or toners			
	Kornit	Presto MAX	Award Winner 22/23
Environmental inks			No Award in 22/23
	Mutoh	MS51 inks	
Environmental friendly substrate			No Award in 22/23
	Bobst	oneBARRIER	

* 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 2021: The jury did not suggest an award for this category this year.

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

TEXTILE INKS



FINALIST

Kornit | Presto Max



Textile printing is one of the fastest growing markets within large format printing. Of course, the printing machines also play a role, but the inks, which offer more sustainability than conventional textile production, have the biggest share in the success.

THE WINNER

Kornit | Presto Max

Kornit Presto MAX is the most versatile on-Demand single-step DTF solution for high-quality, direct-to-fabric decoration, including white printing on colored fabrics.

Technical Committee's opinion:

The new white inks designed for the Kornit Presto MAX are suitable for personalization of fashion items, home decor and other textile applications. White printing on color fabrics, enabling new applications and more creativity demonstrate that digital continue to gain traction in textile printing.

From a sustainability standpoint, the more digital printing the better

› www.kornit.com

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