

# EDP REPORT

Technical Report  
based on the EDP Awards  
entries 2018



EDP AWARDS 2018





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
		

# EDP REPORT

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## EDP AWARDS

# THE 12 YEAR YOUNG TRADITION

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

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

### **A 12 year young tradition**

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.

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

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

For the contest the members of the EDP Technical Committee (the jury consists of specialists and experts of the member magazines or partnering associations) investigate the submitted products' features, achievement, quality and costs etc. At the end of the submission

period the committee nominates the best ones in a category for the final judging round. At least representatives of all EDP member magazines discuss the suggestions of the Technical Committee and decide finally which product is worth of being awarded by an EDP Trophy.

### **A quality and innovation mark**

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

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

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

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

### **Win-win situation**

Since 2007 the EDP Association has honored the best and newest products. Over the years more than 260 trophies were awarded to the best technologies and developments. This year again 29 trophies are awarded. I hope we made the right decisions.



*In 2017 the EDP Association awarded 31 trophies in the respective categories. 2018 there are again 29 EDP Awards. Since last year 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  
nico@edp-award.com

### **EDP Award Contest 2019**

With the end of this year's EDP Award Ceremony the next EDP Award contest 2019, meanwhile the 13th edition, is open for participation. Within the next weeks we will prepare everything for the EDP Awards 2019 (categories, entry form etc.) to invite companies as in the last years, to submit their products on own initiative. All new products and developments which are announced, presented and available for testing by jury members from April 1<sup>st</sup>, 2018, till March 15<sup>th</sup>, 2019, and widely available in the member countries of EDP, are entitled to participate. Companies can submit as many products as they want. There are no restrictions. And we are working on the next EDP Award campaign to make the contest more attractive. There are a lot of new ideas, not all ideas are doable or they need a certain time to realise, nevertheless, some new ideas will become reality.

## TECHNICAL REPORT AND CONCLUSION

# DOING THINGS DIFFERENTLY

Innovation can be translated as doing things differently – in a new way in an existing market or delivering a product that opens a new market. There is no fixed definition. But innovation means change – all the time.

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

This is also true for this year's Awards. When we started the campaign 2018 we introduced several slightly modified categories. When the EDP Technical Committee started to judge the entries we had already to change some category names or transfer submitted products to another better fitting category. This is the reflection of how fast the industry and the applications are changing. Sometimes we also had to make difficult decisions like pulling products out of this year's contest because the products were not completed on time. Or it was not possible for a jury member to see the product in working capacity.

There was also a new phenomenon we had to deal with: some companies seemed to be shy in submitting their products. Others think, they can not win an Award and did not enter. Apparently there are also marketing departments that had absolutely no time to fill in the few lines to enter in time – although they told us they would!

In any case, it's a missed opportunity, not only to not win an Award, but also to draw the attention of the worldwide trade press to new products. The EDP Awards are not only reported in the EDP member magazines.

As I said before – innovation is not a fixed concept by nature. That is also true when it comes to win an EDP Award. A product that could have won an award if it was introduced two years ago and changed the market,

now has to fight against the competition. If it's submitted too late, the competition already has developed similar products with the same nature. Thus it's difficult to win an award.

On the other hand it is possible to change an exciting concept with new features in a way that its recognizable as unique without starting the product development all over again to come up with a brand new product. But upgrading or downsizing an existing product is not a real innovation.

Besides that we see more and more complete solutions coming up. Because the technologies in the meantime are such complex that manufactureres have to cooperate. So innovation is not anymore the idea or the work of one single person or one company, innovation also affects teams and complete applications.

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

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



**Herman Hartman**

Chairman Technical Committee  
EDP Association

## NO AWARD IN THIS CATEGORY WHY NOT?

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.

For this year's contest the categories were modified again. We added some categories especially in the segments of commercial print and finishing to adjust the contest to the new technologies we saw in the past months.

Now the comprehensive choice of categories should cover nearly all solutions in digital printing. But the EDP Awards are still dedicated to digital (printing) technologies. Therefore, submitted products must allow at least the integration in digital processes. Some categories (especially finishing, enhancement and consumables) don't sound really digital, but under the condition that products can be integrated into a (digital) workflow or a completely networked production process makes them part of the digital chain.

During the judging period the EDP Association reserve the right to add, change, cancel or combine categories. For example the category "robotics" was a new one in 2017 and covered the automation efforts in the industry. The variety of different

workflow management tools as for example editors, preflight solutions or RIPs were summarised into the category "workflow technology".

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

This assumes there is enough product information available for the jury to make a decision. If there is not enough material it cannot be taken into consideration. So we encourage vendors to submit the products again next year.

Though competitive products are submitted, however, they should also correspond to a certain international standard. It is not enough being successful in the German-speaking countries. Mostly this already ends at the borders in linguistic problems. But, despite looking at various measures of innovation, in some cases the Technical Committee decided there was not enough development within a category to present an award.

### EDP Technical Committee

#### Chairman:

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

#### Members:

Rob Haak  
*(Consultant, President, SPIKIX, the Netherlands)*

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

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

#### Back office:

Julius Nicolay  
*(Editor Druckmarkt, Germany)*

## ENTRIES

**SOFTWARE / HARDWARE**

The following descriptions are based on the statements of the EDP Awards competitors, they are slightly edited for this publication and are not the opinion of the EDP Technical Committee. Recommended products for the next year's content are not described on this pages.

**LAYOUT, DESIGN AND EDITING SOFTWARE****Chili publish | Chili publisher UGE**

The Universal Graphics Engine (UGE) is a self-servicing technology companies need to streamline both the input and output of graphic assets in an omnichannel, brand-consistent way, regardless of market focus or technical user expertise.

**CloudLab AG | printQ 3D**

printQ takes E-Commerce print solutions and online print shops to a new level. All incoming orders can automatically be integrated into the technical and business workflow. Now the stand alone 3D editor allows customers to design their packaging themselves.

**COLOR MANAGEMENT****Onyx Graphics | Onyx 18**

Building upon the ONYX 12.2 software, the new version release includes new colour technologies that help prove colour accuracy, consistency and conformance to standards such as G7 and FOGRA. The product

puts power into the hands of users to manage customer brand colour needs as well as knowing when to recalibrate printers to stay consistent and reduce waste before printing. Onyx 18 boasts the latest Adobe PDF Print Engine throughout the entire Onyx portfolio and is the first print workflow solution compatible with iccMAX, the new standard recommended by the International Color Consortium. Combined with new core improvements and optimized out-of-the-box presets, Onyx 18 delivers fast output for all wide-format printing applications.

**WORKFLOW TECHNOLOGY****HP Indigo | Production Pro**

HP Production Pro is a scalable Digital Front End (DFE) with modular architecture. It was designed to meet complex production needs, and support production on Indigo presses in the labels and packaging market. Key factors are its powerful RIP engine, complete prepress suite, HP PrintOS integration and wealth of JDF-based integration possibilities. Production Pro is suitable for print shops of all sizes.

**Onyx Graphics | Onyx 18**

See color management.

**Tilia Labs | Tilia Griffin**

Tilia Labs, a developer of planning, imposition, and automation software solutions for the graphic arts industries, is now offering the Tilia Griffin Pro application on the Enfocus Appstore as a fully self-contained Switch app. The new app is available on the Enfocus Appstore for both Mac and PC and can be used as a free trial first before committing to a purchase.

**WORKFLOW SOLUTIONS****Konica Minolta | AccurioPro Conductor**

The centralized queue management system for multiple printers manages workflows for printing processes across networked printers. Jobs are automatically allocated to the right printer and processed according to priority. Different JDF formats are automatically converted into a unified format, realizing smooth connection to the existing workflow environments. The post-press device settings, such as folding and cutting, are conducted by barcode or JDF instruction.



## ENTRIES

**Konica Minolta | AccurioPro Connect**

The document workflow solution for production print environments automates labor-intensive pre-press processing tasks, such as ganging, tab creation, imposition, PDF handling, and more. The system captures files from a variety of sources, including web services, folder, print stream, scanners, production print devices, etc. and routes files based on amount of color, pages, metadata, file size, and more. AccurioPro Connect converts, parses and modifies job ticket information with JDF tools, evaluates PCL and PS files based on user-defined rules of automate printing. JDF files from any third party storefronts can be collected and sent to AccurioPro systems.

**Onyx Graphics | Onyx 18**

See color management.

**Zünd Systemtechnik | Zünd Cut Center – ZCC 3.0**

Zünd Cut Center software facilitates every aspect of the production workflow – from file import and production planning, to cutting data optimization, cutting system management, and remote production monitoring.

**E-COMMERCE SOLUTIONS****CloudLab | printQ 3D**

See special application software.

**Printplus | Printplus Web-Shop**

Printplus Web-Shop uses completely responsive web-design and is a flexible product configuration tool. The web shop offers uploading of content data or design via a web-to-print editor, offers the integration with Printplus order management and flexible payment options.

**MIS****Printplus | Estimation and Production**

Estimation and Production Planning allows a hierarchical product view, fully automated product description generation (e. g. for quotes, order confirmation, etc.), signature and sheet layout creation as well as customizable cost summaries. Artificial intelligence algorithms anticipate user decisions and features complex machine learning instead of complex master data management. The automatic gang job optimization uses Perfect Pattern sPrintOne, a fully automated setup time optimization, calculation of production processes even far beyond print products.

**Printplus | Production Control**

The software includes color coded Gantt-view of all process steps, multi-site production management, either centrally managed or locally managed, easy traceable production dependencies, one-click generation of optimized production sequence out of thousands of single jobs by maintaining all constraints such as milestones, print data availability and delivery times. Its optimized for short-term change orders, resource utilization and visual representation of inventory information. Customer service representative has full access to detailed order status in the advanced JDF production equipment connectivity.

**SOFTWARE AUTOMATION TOOLS****Onyx Graphics | Onyx Hub**

Onyx Hub software is a business intelligence tool with a browser-based dashboard that provides easy-to-understand data. It collects data by job, station and printer, including costs of ink, media, labor and machine rates for job costing, presented in real-time, for immediate visibility into your production environment.

## ENTRIES

With up to the minute, historic and trend data ink usage and media waste reporting, users can better understand their costs, improve profitability and diagnose areas to increase efficiency. Gain insight using trend reporting and costing to optimize workflows.

### SPECIAL APPLICATION SOFTWARE

#### CloudLab | printQ 3D Packaging Design

printQ takes E-Commerce print solutions and online print shops to a new level. All incoming orders can automatically be integrated into the technical and business workflow. Now the stand alone 3D editor allows customers to design their packaging themselves. In the editor library CloudLab offers packagings, which customers can use for their designs. All sorts of graphical content and customizable sizes and shapes for the packagings are possible. Width, height and depth are the only values they need. Within less than a second, printQ creates the 3D model for the preview, the die cut and the canvas in the designer.

The PDF and CF2 files are directly created for the production. The software is HTML5-based and optimized for mobile devices and can be used in external shops by using the printQ Connector. The printQ 3D packaging design is a combination of web to print solution and packaging design.

#### HP | D4D for Designers

HP D4D is a suite of light design solutions available as a plug-in to Adobe Illustrator enable designers to harness HP digital print with dynamic, variable and print ready artwork. Features include: HP Smart Stream Designer which allows to personalize any printjob through varying images, text and colors. HP Mosaic which random image generator.

#### swissQprint | Kea

Kea is a small but powerful tool that enables the swissQprint droptix 3D effect. It's a re-launch of its print mode for optical 3D effects which was already honoured with an EDP Award. The software simulates and creates the pattern needed for the 3D effect as an eye catcher at the POS, in shop windows display, or at a poster site, saving time and ensuring process security. Even untrained staff can use it.

### MEASUREMENT

#### AVT | Jet-IQ

AVT's Jet-IQ system is positioned to give OEM inkjet printing solution suppliers the benefits of Jet-IQ, i.e. optimal machine set-up, ease of operation, minimal downtime, substrate validation/profiling and reduced ink consumption and waste. Most of the basic vision control software and quality reporting framework are based on AVT's core inspection software technology. AVT's inline scanners are so sensitive that they can detect, even at phenomenal speeds, nozzle out conditions, misplaced pico-dots and malfunctioning jets that the human eye cannot perceive. These scanners are capable of capturing full size colour and spatial data at full press speed. The inspection system runs on very fast processors, using special algorithms, covering: nozzle detection (missing, deviating, weak, crossing), colour uniformity control (difference, density, DeltaE, etc.), colour-to-colour registration measurement, geometrical (accurate position, image-to-substrate, skew, scaling, transport movement, etc.). The Jet-IQ inspection system compares it to reference

## ENTRIES

data and analyzed data are then sent to the press controller.

The latter corrects or compensates the artefacts using software (nozzle control, linearization, stitching, screening, masking, etc.), alerts the operator about warnings/maintenance or takes corrective calibration and/or compensation action.

#### **Barbieri | Spectro LFP qb**

The new spectrophotometer from Barbieri combines the latest color measuring technologies with innovative methods of illumination and comes with both tried and tested features and new features and applications, which open up a whole world of new possibilities for the user.

#### **Konica Minolta | IQ-501 Integrated Color Care Unit**

Many time-consuming and cumbersome quality adjustment tasks can be automated with the IQ-501 Integrated Color.

## **CURING SYSTEMS**

### **ebeam Technologies | ebeam Compact**

The ebeam Compact enables inline curing with narrow-web digital ink-jet printers, making industrialized EB curing (electron beam) a reality for numerous applications and producing a virtually instantaneous, high gloss, scratch-resistant finish on any colour, including metallic.

Traditionally, electron beam systems have been oversized, under-optimized machines, requiring high capital investment. ebeam's innovation was to master how to accelerate electrons inside a compact, vacuum-sealed, longevity, zero maintenance ebeam Lamp, which can be easily replaced. Photoinitiator-free UV-cured inks, photoinitiators are not required to be present in EB inks.

This means the ebeam Compact can cure food-safe inks enabling ebeam partners to develop solutions for mass personalization/variable printing on indirect food-contact materials.

### **ebeam Technologies | ebeam Core 100/760**

The ebeam Core 100/760 is an EB curing system for high quality and high performance finishing of labels

and flexible packaging materials printed on an HP Indigo 20000 Digital Press. The ebeam Core 100/760 delivers numerous competitive advantages to HP Indigo 20000 users. Eliminating in-between processes, ebeam curing is effectively instant, enabling faster time to all markets. The solution is optimized for overprint varnish applications on the HP Indigo 20000 and produces an outstanding look and feel with high-gloss, matte and soft-touch finishes that are scratch, tear, puncture and fade resistant.

## **PRINT AND FINISHING SUPPORT TOOLS**

### **Kodak | Nexpress Substrate Expansion Kit**

The Substrate Expansion Kit enables Nexpress presses to print on thicker substrates: paperboard up to 0.610 mm and synthetic substrates up to 0.356 mm. It opens up new business opportunities like short-run packaging applications, POS displays and signage. Commercial print pieces requiring heavier or thicker substrates.

# RESULTS

## SOFTWARE / HARDWARE

Category	Company   Product		Judging results
Layout, design and editing			<b>EDP Award 2018</b>
	Chili	Chili Publisher	<b>Winner</b>
	CloudLab	printQ 3D Packaging Design	Nominee
Color management			<b>EDP Award 2018</b>
	Onyx	Onyx 18	<b>Winner</b>
Workflow technology			<b>EDP Award 2018</b>
	HP	Production Pro Labels & Packaging	Finalist
	Onyx	Onyx 18	Finalist
	Tilia labs	Tilia Griffin*	<b>Winner</b>
Workflow solutions			<b>No Award in 2018</b>
	Konica Minolta	AccurioPro Conductor	Finalist
	Konica Minolta	AccurioPro Connect	Finalist
	Onyx	Onyx 18	Finalist
	Zünd	Zünd Cut Center ZCC 3.0	Finalist
E-Commerce solutions			<b>No Award in 2018</b>
	CloudLab	printQ 3D Packaging Design	Finalist
	Printplus	Web Shop	Finalist
Management information systems			<b>No Award in 2018</b>
	Onyx	Onyx Hub	Finalist
	Printplus	Druck Estimation and Production	Finalist
	Printplus	Druck Production Control	Finalist
Software automation tools (•)			<b>No Award in 2018</b>
	Onyx	Onyx Hub	Finalist

# RESULTS

## SOFTWARE / HARDWARE

Category	Company   Product		Judging results
Special application software			<b>EDP Award 2018</b>
	CloudLab	printQ 3D Packaging Design	<b>Winner</b>
	HP	D4D for Designers	Finalist
	swissQprint	Kea	Finalist
Measurement and calibration			<b>EDP Award 2018</b>
	AVT	Jet-IQ*	<b>Winner</b>
	Barbieri	Spectro LFP qb*	Nominee
	Konica Minolta	IQ-501 Integrated Color Care Unit	Finalist
Curing systems, dryer/lamps			<b>EDP Award 2018</b>
	ebeam	ebeam Compact	<b>Winner</b>
	ebeam	ebeam Core 100/760	Finalist
Print and finishing support tools			<b>No Award in 2018</b>
	Kodak	Nexpress Substrate Expansion	Finalist

\* EDP member submission.

• New or changed category.

Nominee: This product was nominated for an Award.

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

No Award in 2018: There is no Award in this category this year.

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

## FINALISTS AND WINNERS **SOFTWARE / HARDWARE**

Out of the entries and member submissions the **EDP TECHNICAL COMMITTEE** has nominated products for an EDP Award and suggested the finalists. Middle of April 2018 the EDP members voted and made the final decision which product is being honoured with an **EDP AWARD**. Congratulations!



This year no accolades will be given in the following categories:

- Workflow solutions
- E-Commerce solutions
- Management information systems
- Software automation tools
- Robotics
- Print and finishing support tools

## LAYOUT, DESIGN AND EDITING SOFTWARE



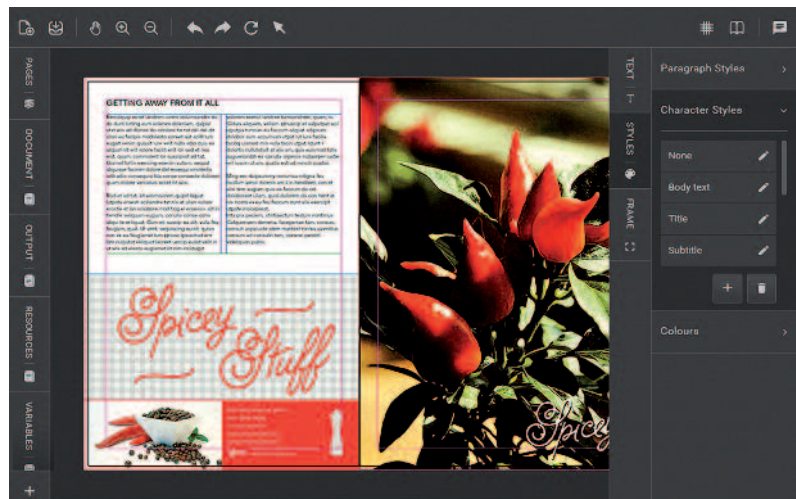
## NOMINATED

### CloudLab AG printQ 3D Packaging Design

printQ takes E-Commerce print solutions and online print shops to a new level. All incoming orders can automatically be integrated into the technical and business workflow. Now the stand alone 3D editor allows customers to design their packaging themselves.

The Technical Committee recommend the product in an other category.

### Chili publish Chili publisher UGE



### THE WINNER Chili publisher UGE

Chili publisher was built from the ground up using the right tools to allow developers to quickly put together applications with a minimum of effort. The software is made to be integrated.

The Universal Graphics Engine (UGE) processes any graphic arts input of

an organization and creates templates from that input.

Once created, users with a variety of skill sets – from beginners to seasoned graphics professionals – can edit these templates online. The edited templates are then delivered in the proper omnichannel format to the production environment or marketing automation program serving your organization.

### Technical Committee's opinion:

As a layout, design and editing software the Chili publisher is the most complete tool in this category. It is already a leading product for years – with the new engine it takes it even on an higher level.

[www.chili-publish.com](http://www.chili-publish.com)

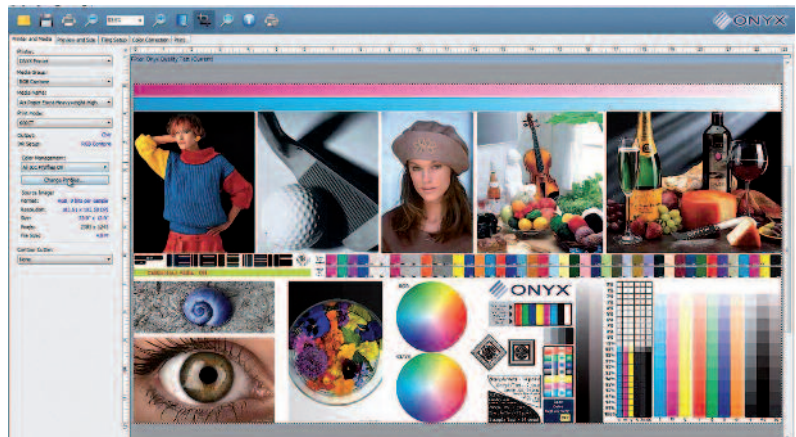
# COLOR MANAGEMENT



## NOMINATED

### Onyx Graphics Onyx 18

There were no other entries this year in the category color management solutions. Originally Onyx had submitted the version 12.2 and replaced it. The Technical Committee therefore decided to verify the major release Onyx 18 (the name was not released to the public end of march).



## THE WINNER Onyx 18

Building upon the Onyx 12.2 software, the new version release Onyx 18 includes new colour technologies that help prove colour accuracy, consistency and conformance to standards such as G7 and FOGRA.

The product puts power into the hands of users to manage customer brand colour needs as well as knowing when to recalibrate printers to stay consistent and reduce waste before printing.

### Technical Committee's opinion:

Onyx 18 boasts the latest Adobe PDF Print Engine throughout the entire Onyx portfolio and is the first print workflow solution compatible with

iccMAX, the new standard recommended by the International Color Consortium. Combined with new core improvements and optimized out-of-the-box presets, Onyx 18 delivers fast output for all wide-format printing applications.

[www.onyxgfx.com](http://www.onyxgfx.com)



# WORKFLOW TECHNOLOGY



## NOMINATED

### HP Inc.

#### Production Pro

HP Production Pro for Indigo Labels & Packaging is a scalable solution with modular architecture. It was designed by HP Indigo to meet even the most complex production needs, and support optimized production on HP Indigo digital presses in the labels and packaging market.

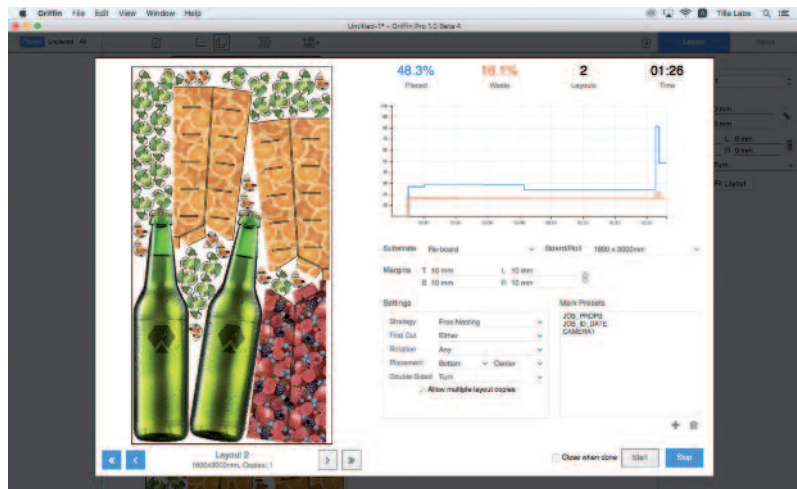
### Onyx Graphics

#### Onyx 18

See color management.

### Tilia Labs

#### Tilia Griffin



## THE WINNER

### Tilia Griffin

Tilia Labs, a developer of planning, imposition, and automation software solutions for the graphic arts industries, is now offering the Tilia Griffin Pro application on the Enfocus Appstore as a fully self-contained Switch app.

The new app is available exclusively on the Enfocus Appstore for both Mac and PC and can be used as a free trial first before committing to a purchase.

#### Technical Committee's opinion:

Most print providers would benefit from fast, intelligent imposition but they often don't know the capabilities exist. Many wide format printers, for example, are still relying on the proprietary soft-

ware that came bundled with their machines. Now they get access to Tilia Griffin's automatic layout capabilities to produce faster and more efficient nesting, tiling, and ganged jobs to maximize substrate usage.

[www.tilialabs.com](http://www.tilialabs.com)

# SPECIAL APPLICATION SOFTWARE

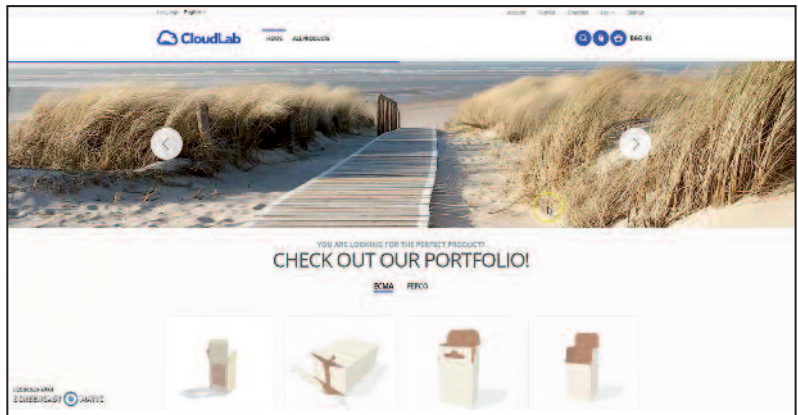


## NOMINATED

### HP

#### D4D for Designers

HP D4D is a suite of light design solutions available as a plug-in to Adobe Illustrator enable designers to harness HP digital print with dynamic, variable and print ready artwork. Features include HP Smart Stream Designer for varying images, text and colors and HP Mosaic which random image generator.



### swissQprint

#### Kea

Kea is a small but powerful tool that enables the swissQprint droptix 3D effect. It's a re-launch of its print mode for optical 3D effects which was already honoured with an EDP Award.

### CloudLab

#### printQ 3D Packaging Design

## THE WINNER

### printQ 3D Packaging Design

With printQ all incoming orders can automatically be integrated into the technical and business workflow. Now the stand alone 3D editor allows customers to design their packaging themselves. In the editor library CloudLab offers packagings, which customers can use for their designs.

All sorts of graphical content and customizable sizes and shapes for the packagings are possible. Width, height and depth are the only values they need. Within less than a second, printQ creates the 3D model for the preview, the die cut and the canvas in the designer. The PDF and CF2 files are directly created for the production. The software is HTML5-based and optimized for mobile devices and can be used in external shops by using the printQ Connector.

### Technical Committee's opinion:

The printQ 3D Packaging Design is a strong and exciting combination of a web to print E-Commerce solution and custom packaging. It takes packaging design and printing on a new level.

› <http://custom-packing.your-printq.com>

# MEASUREMENT AND CALIBRATION

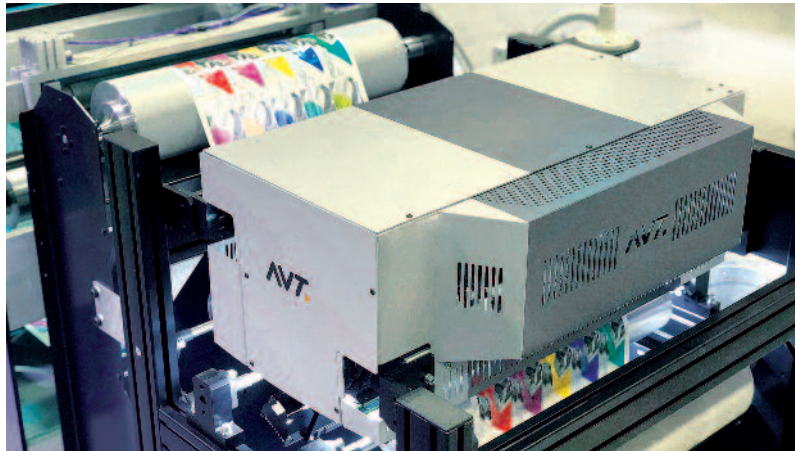


## NOMINATED

**Barbieri**

### Spectro LFP qb

The new spectrophotometer from Barbieri combines color measuring technologies with innovative methods of illumination and comes with new features and applications, which open up a whole world of new possibilities.



**Konica Minolta**

### IQ-501 Integrated Color Care Unit

Many time-consuming and cumbersome quality adjustment tasks can be automated with the IQ-501 Integrated Color.

**AVT**

### Jet-IQ

## THE WINNER

### AVT Jet-IQ

AVT's Jet-IQ system is positioned to give OEM inkjet printing solution suppliers the benefits of Jet-IQ, i.e. optimal machine set-up, ease of operation, minimal downtime, substrate validation/profiling, reduced ink consumption and waste. Most of the basic vision control software and quality reporting framework is based on AVT's core inspection software technology. The inline

scanners detect, even at high speeds, nozzle out conditions, misplaced dots and mal-functioning jets that the human eye cannot perceive. The inspection system uses special algorithms, covering nozzle detection (missing, deviating, weak, crossing), colour uniformity control (difference, density, DeltaE, etc.), colour-to-colour registration measurement, geometrical (accurate position, image- to-substrate, skew, scaling, transport movement, etc.). Jet-IQ compares it to reference

data and analyzed data are then sent to the press.

### Technical Committee's opinion:

The demand for accuracy and image inspection in industrial printing markets will soon change from nice to have to critical. Quality is particularly important and closed-loop inspection is a 'MUST'.

› [www.avt-inc.com](http://www.avt-inc.com)

## CURING SYSTEMS



### NOMINATED

#### ebeam Technologies ebeam Core 100/760

The ebeam Core 100/760 is an EB curing system (electron beam) for high performance finishing of labels and flexible packaging materials printed on HP Indigo 20000 Digital Presses. The ebeam Core delivers numerous competitive advantages to HP Indigo 20000 users.

Eliminating in-between processes, ebeam curing is effectively instant, enabling faster time to all markets. The solution is optimized for over-print varnish applications and produces high-gloss, matte and soft-touch finishes that are scratch, tear, puncture and fade resistant.

#### ebeam Technologies ebeam Compact



### THE WINNER ebeam Compact

The ebeam Compact enables inline curing with narrow-web digital inkjet printers, making industrialized EB curing (electron beam) a reality for numerous applications and producing an instantaneous, high gloss, scratch-resistant finish on any colour, including metallic. Traditionally, EB systems have been oversized, requiring high capital investment. ebeam's innovation was to master how to ac-

celerate electrons inside a compact, vacuum-sealed, longevity, zero maintenance ebeam lamp, which can be easily replaced. Photoinitiator-free UV-cured inks, photoinitiators are not required to be present in EB inks. This means the ebeam Compact can cure food-safe inks enabling ebeam partners to develop solutions for mass personalization/variable printing on indirect food-contact materials.

### Technical Committee's opinion:

A very interesting new kind of curing system applicable to very different markets and materials. Using electron beam technology, food packaging producers can eliminate risks associated with photoinitiators, migration, and VOC emissions.

›  
[www.ebeamtechnologies.com](http://www.ebeamtechnologies.com)

# THEY ARE DEFINITELY NOT ALL THE SAME.



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



[www.edp-awards.org](http://www.edp-awards.org)

## ENTRIES

**PRINTING SYSTEMS**

## LARGE/WIDE FORMAT PRINTING

The following descriptions are based on the statements of the EDP Awards competitors, they are slightly edited for this publication and are not the opinion of the EDP Technical Committee. Recommended products for the next year's content are not described on this page.

**ROLL-TO-ROLL PRINTER  
UP TO 170 CM**
**Fujifilm | Acuity LED 1600R**

This accessible, dedicated roll-to-roll printer is optimised for four-colour CMYK printing, but otherwise shares all the benefits in quality and performance of the Acuity LED 1600 II hybrid model.

**Mimaki | UCJV300-160**

The UCJV300-160 is Mimaki's most efficient wide format printer/cutter ever. Taking advantage of the UV LED printing technology, the machine offers media versatility, from banners to transparent PET films to wallpapers and more. Output is instantly dry and ready for post processing, while the ink features high scratch resistance and white option. Mimaki also adds a unique Day and Night 4-layer printing, in which one print can have two different views; one during the day and one during the night, when the signage is backlit. It is packed with Mimaki's core technologies, e.g. automatic nozzle check unit, ID cut function, etc.

**ROLL-TO-ROLL PRINTER  
UP TO 320 CM**
**HP | HP Latex 3600 Printer**

The printer offers high-quality latex printing at professional speeds and widths up to 3.2 m. Handle production peaks up to 350,000 ft<sup>2</sup>/month. The water-based HP Latex Ink offers stunning results on a wide range of applications.

**FLATBED/HYBRIDE  
PRINTER UP TO 250 SQM/H**
**Agfa | Anapurna H1650i LED**

The Anapurna H1650i LED is a high-speed hybrid UV LED-curable inkjet system with a printing width of 1.6 m for indoor and outdoor applications.

**swissQprint | Nyala LED**

Nyala LED is a state-of-the-art large format printer featuring a flatbed of 3.2 x 2 m and LED technology. Its modular design makes it scaleable. It is precise and robust, extremely versatile, profitable, and it leaves a small footprint.

For the third time in a row, Nyala is the most popular UV flatbed/hybrid printer within the European specialist community.

**FLATBED/HYBRIDE  
PRINTER > 250 SQM/H**
**Agfa | Jeti Tauro H2500 LED**

A robust hybrid UV inkjet printer with integrated roll-to-roll system, the Jeti Tauro LED features continuous and automated feeding of rigid and flexible media. Its possibilities for high-end sign and display printing are nearly endless – UV LED curing, prints of up to 2.54 m wide, print speeds up to 275 m<sup>2</sup>/h, and countless applications.

**Durst Phototechnik | P5 250 HS**

One printer designed for high volume large format and offset small format applications. Engineered for maximum uptime due to its industrial design in combination with Durst Analytics preemptive diagnostics and intervention software. The P5 core values productivity, print quality, versatility and workflow efficiency lead to a unique efficiency. 2.5 m wide UV inkjet hybrid printer, maximum speed > 400 m<sup>2</sup>/h, production speed at 240 m<sup>2</sup>/h and highest resolution 1,200 dpi, 5 pcl drop size (70% faster than the current model P10 250 HS at higher quality

## ENTRIES

and reduced costs EUR/m<sup>2</sup>). Vacuum zone with 100% more chambers for reliable media transport. New Integrated Workspace with Virtual Cockpit for ideal operation environment.

### PRINT & CUT SOLUTION

**HP | HP Latex 335 Print and Cut**  
64 inch Print&Cut solution - Print and cut at the same time versus print or cut with solvent a reliable, dual-device solution.

**Mimaki | UCJV300-160**

See roll-to-roll printer up to 170 cm.

**Zünd | Laser Module - LM 100W**

Cut and seal – perfect cuts, sealed edges, one process.

**Zünd | Over Cutter Camera - OCC**

The Over Cutter Camera OCC captures all the registration marks in the workspace with a single shot. This allows fast and fully automatic registration of orders.

**Zünd | Cut Center Dashboard**

The browser-based Dashboard gives management and production staff easy, full-time remote access to

relevant performance data. It lets you always keep an eye on real-time order status and Zünd cutter utilization.

**Zünd | Cut Center - ZCC 3.0**

Zünd Cut Center software facilitates every aspect of the production workflow – from file import and production planning, to cutting data optimization, cutting system management, and remote production monitoring.

### OBJECT PRINTER

**Mutoh | ValueJet 626UF**

The new ValueJet VJ-626UF is a 6-colour A2-size desktop LED UV object printer. With print resolutions up to 1,440 x 1,440 dpi, the ValueJet 626UF printer uses Mutoh's LED UV CMYK + white inks & varnish which are completely VOC-free requiring no air filtration equipment. Both flex and rigid inks are available. A wide variety of solid materials and objects up to a thickness of 150 mm (5.9") can be printed. An optional rotary system enables the ValueJet 626UF to print on cylindrical objects with a diameter up to 120 mm and a length of 360 mm. Offering a bed size of 594 x 483 mm (19" x 23.4"), the printer is targeted at short-run

personalisation of gifts & gadgets, packaging prototypes, awards, specialty industrial items, labels, decals, signs, etc. Next to the well-known ValueJet features enabling easy set up and usage of the unit, even by inexperienced operators, intelligent design features have been added for extra user comfort on the ValueJet 626UF, such as an integrated vacuum bed, an automatic table lifting system as well as an LED pointer to facilitate accurate media placement and origin point detection. Thickness of the loaded object is also automatically measured.

## ENTRIES

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

#### **Mimaki | TS30-1300**

Designed specifically with ease of use and versatility in mind, the Mimaki TS30-1300 is a simple, entry-level sublimation transfer printer equipped with a carefully selected set of features that allows the users to bring high-mix, low-volume print production inhouse. This machine also features fluorescent inks and is suitable for smaller companies and startups looking into a sublimation business.

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

#### **Agfa | Avinci DX3200**

The Avinci DX3200 is Agfa Graphics' dedicated soft signage dye sublimation roll-to-roll printer. It brings remarkable print quality to a wide range of in- and outdoor applications such as banners, indoor wall graphics, shop decoration, outdoor advertising, trade show displays and more. You name it, Avinci is up to the challenge. Waterbased technology for soft signage and fabric printing.

The Avinci allows to create large-format, soft signage prints of up to 3.2 m wide with a maximum resolution of 540 x 1,080 dpi.

**Aleph | LaForte Optima Paper340**  
340 cm high speed sublimation printer.

#### **ATPColor | DFP2000**

The Widest Textile Printer in the World with integrated heat drum with integrated cutting unit, with integrated sewing unit for media saving. Speed Up to 320 sqm/h. Heat Drum Protected by 4 patents.

### **TEXTILE PRINTER DIRECT TO GARMENT**

#### **Brother | GTX**

Brother DTG has released its next generation of digital direct-to-garment printers with the GTX printer. The GTX print heads, developed by Brother, contain much more nozzles than its previous print heads. This allows for prints at 1,200 x 1,200 dpi in a single pass resulting in high quality prints at massproduction level speed. Brother also has released a new ink system with the GTX printer. Innobella Textile water-based pigment inks have a larger color gamut and are Okeo-Tex Eco-

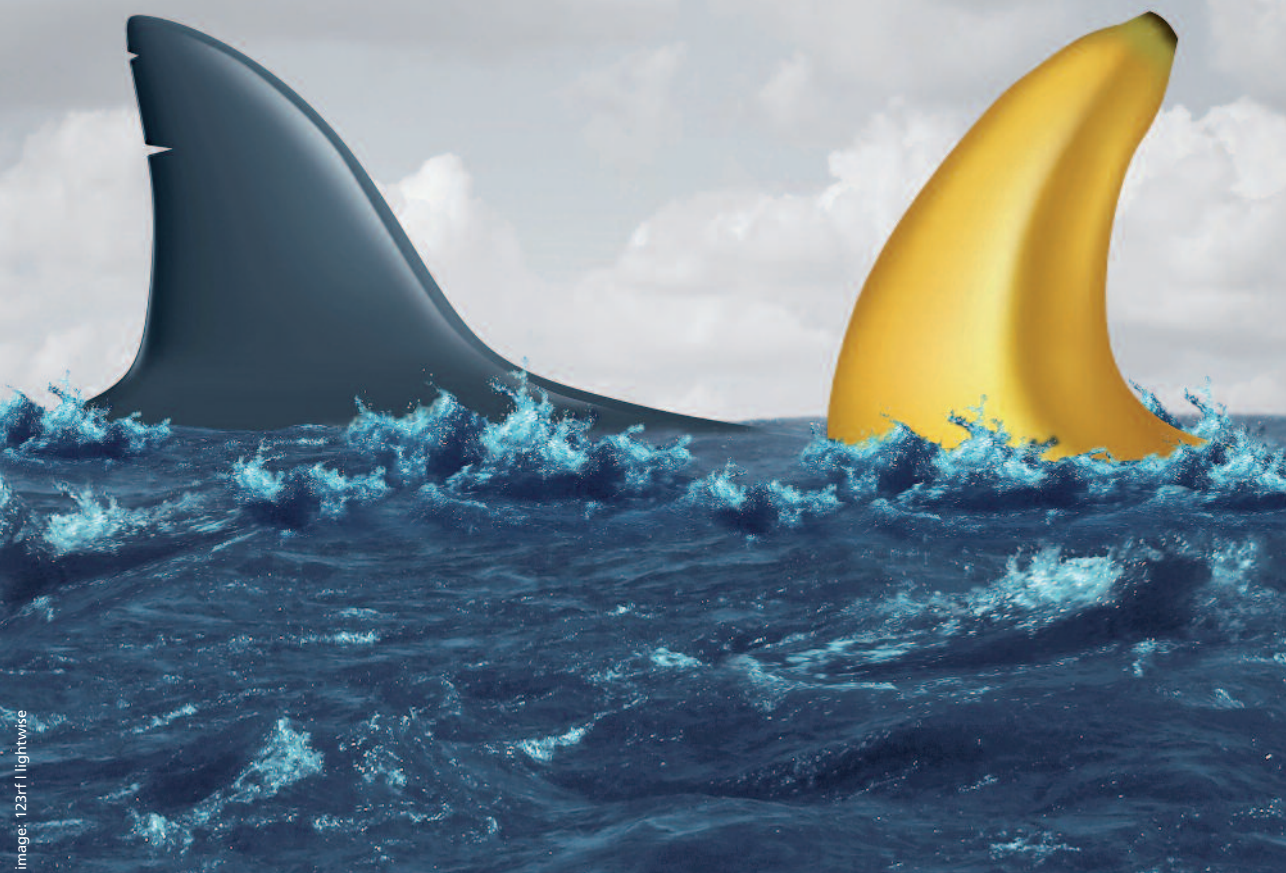
Passport certified and CPSIA compliant.

#### **Kornit | Avalanche HD6**

The productive six-color-plus-white direct-to-garment printing system uses integrated pretreatment to reduce the costs per print and pushing out the break-even point against screen printing.



# ARE YOU STRUGGLING WITH UNEQUAL CONDITIONS?



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



[www.edp-awards.org](http://www.edp-awards.org)

# RESULTS

## PRINTING SYSTEMS

### LARGE/WIDE FORMAT PRINTING

Category	Company   Product		Judging results
Roll-to-roll printer < 170 cm			<b>EDP Award 2018</b>
	Fujifilm	Acuity LED 1600R*	Nominee
	Mimaki	UCJV300-160	<b>Winner</b>
Roll-to-roll printer < 320 cm			<b>No Award in 2018</b>
	HP	HP Latex 3600 Printer	Finalist
Flatbed/hybrid printer < 250 sqm/h			<b>EDP Award 2018</b>
	Agfa	Anapurna H1650i LED	Finalist
	Inca/Fujifilm	Acuity B1 press*	Nominee, Next year
	swissQprint	Nyala LED	<b>Winner</b>
Flatbed/hybrid printer > 250 sqm/h			<b>EDP Award 2018</b>
	Agfa	Jeti Tauro H2500 LED	Finalist
	Durst	P5 250 HS	<b>Winner</b>
Print & cut solution			<b>No Award in 2018</b>
	HP	HP Latex 335 Print and Cut	Finalist
	Mimaki	UCJV300-160	Finalist
	Zünd	Laser Module LM 100W	Finalist
	Zünd	OCC Over Cutter Camera	Finalist
	Zünd	Zünd Cut Center Dashborad	Finalist
	Zünd	Zünd Cut Center ZCC 3.0	Finalist
Object printer			<b>No Award in 2018</b>
	Mutoh	ValueJet 626UF	Finalist

# RESULTS

## PRINTING SYSTEMS

### LARGE/WIDE FORMAT PRINTING (textile)

Category	Company   Product		Judging result
Textile printer roll-to-roll < 100 sqm/h			<b>No Award in 2018</b>
	Mimaki	TS30-1300	Finalist
Textile printer roll-to-roll > 100 sqm/h			<b>EDP Award 2018</b>
	Agfa	Avinci DX3200	<b>Winner</b>
	Aleph	LaForte Studio Paper340	Finalist
	ATPColor	DFP2000	Finalist
	Mouvent	TX801*	Nominee, Next year
Textile printer on transfer paper (•)			<b>EDP Award 2018</b>
	Aleph	LaForte Optima Paper340	<b>Winner</b>
Direct to garment printer			<b>EDP Award 2018</b>
	Brother	GTX	<b>Winner</b>
	Kornit	Avalanche HD6	Finalist

\* EDP member submission.

• New or changed category.

Nominee: This product was nominated for an Award.

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

No Award in 2018: There is no Award in this category this year.

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

## FINALISTS AND WINNERS

# PRINTING SYSTEMS

### LARGE/WIDE FORMAT PRINTING

Out of the entries and member submissions the **EDP TECHNICAL COMMITTEE** has nominated products for an EDP Award and suggested the finalists. Middle of April 2018 the EDP members voted and made the final decision which product is being honoured with an **EDP AWARD**. Congratulations!



This year no accolades will be given in the following categories:

- Roll-to-roll printers < 320 cm
- Print & cut solutions
- Objects printers
- Textile printers roll-to-roll < 100 m<sup>2</sup>

# ROLL-TO-ROLL PRINTERS UP TO 170 CM



## NOMINATED

### Fujifilm

#### Acuity LED 1600R

This accessible, dedicated roll-to-roll printer is optimised for four-colour CYMK printing, but otherwise shares all the benefits in quality and performance of the Acuity LED 1600 II hybrid model.

### Mimaki Europe B.V.

#### Mimaki UCJV300-160



## THE WINNER

### Mimaki UCJV300-160

The UCJV300-160 is Mimaki's most efficient wide format printer/cutter ever. Taking advantage of the UV LED printing technology, the machine offers media versatility, from banners to transparent PET films to wallpapers and more.

Output is instantly dry and ready for post processing, while the ink features high scratch resistance and white option.

Mimaki also adds a unique Day and Night 4-layer printing, in which one print can have two different views; one during the day and one during the night, when the signage is backlit. It is packed with Mimaki's core technologies, e.g. automatic nozzle check unit, ID cut function, etc.

### Technical Committee's opinion:

This product is an excellent print-and-cut solution but the printer itself provides more than a simple print and cut experience: it delivers an inspiring range of applications. Backlit panels that change color schemes with the light source are a really unusual application.

› [www.mimakieurope.com](http://www.mimakieurope.com)

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



### NOMINATED

Agfa

#### Anapurna H1650i LED

The wide-format hybrid Anapurna i LED-series is a perfect fit for sign shops, digital printers, photo labs and mid-size screen printers that want to combine board and roll-to-roll print jobs.

The Anapurna H1650i LED is a high-speed hybrid UV LED-curable inkjet system with a printing width of 1.6 m for indoor and outdoor applications.

swissQprint

#### Nyala LED



### THE WINNER

#### Nyala LED

Nyala LED is a state-of-the-art large format printer featuring a flatbed of 3.2 x 2 m and LED technology. The 3.2 x 2 m flatbed can take on board any commonplace format and handle virtually any type of material – even heat-sensitive ones.

And it turns out convincing results even at the top speed of 206 m<sup>2</sup>/h.

Nyala LED is the new, environmentally friendly flagship model of swissQprint. It is precise and robust, extremely versatile, profitable, and it leaves a small footprint.

For the third time in a row, Nyala is the most popular UV flatbed/hybrid printer within the European specialist community.

### Technical Committee's opinion:

Thanks to LED curing, trouble with heat-sensitive substrates belongs to the past. Equipped with quadruple CMYK, the Nyala LED delivers an unbeatable optimum of printing speed and density.

› [www.swissqprint.com](http://www.swissqprint.com)

## FLATBED/HYBRIDE PRINTERS > 250 SQM/H



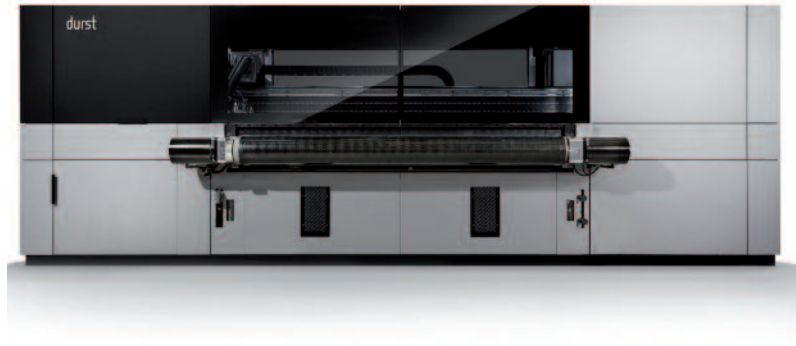
### NOMINATED

#### Agfa

##### Jeti Tauro H2500 LED

A robust hybrid UV inkjet printer with integrated roll-to-roll system, the Jeti Tauro LED features continuous and automated feeding of rigid and flexible media. Its possibilities for sign and display printing are nearly endless: UV LED curing, prints of up to 2.54 m wide, print speeds up to 275 m<sup>2</sup>/h, and countless applications.

#### Durst Phototechnik AG P5 250 HS



### THE WINNER

#### Durst P5 250 HS

One printer designed for high volume large format and offset small format applications. Engineered for maximum uptime due to its industrial design in combination with Durst Analytics preemptive diagnostics and intervention software. The P5 core values productivity, print quality, versatility and

workflow efficiency lead to a unique efficiency. 2.5 m wide UV inkjet hybrid printer, maximum speed > 400 m<sup>2</sup>/h, production speed at 240 m<sup>2</sup>/h and highest resolution 1,200 dpi, 5 pcl drop size (70% faster than the current model P10 250 HS at higher quality and reduced costs EUR/m<sup>2</sup>). Vacuum zone with 100% more chambers for reliable media transport. New integrated workspace with virtual cockpit for ideal operation environment.

### Technical Committee's opinion:

An unusual and in every detail perfect new development. The fact that the P5 platform is conceived for the highest availability shows the foresight of Durst for the topical needs in the market.

› [www.durst-group.com](http://www.durst-group.com)

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



### NOMINATED

**Aleph srl**  
**LaForte Studio**  
**Paper340**

340 cm high speed sublimation printer.



**ATPColor Srl**

**DFP2000**

Textile printer with integrated heat drum, cutting unit and sewing unit for media saving. Speed up to 320 m<sup>2</sup>/h.

**Agfa Graphics**  
**Avinci DX3200**

**THE WINNER**  
**Avinci DX3200**

Soft signage is rapidly becoming the preferred solution for many businesses that demand high-quality marketing and display material. And with good reason: textile is user-friendly and cost-effective. Soft signage print results are lighter and easier to transport and install. The Avinci DX3200 is Agfa Graphics' dedicated soft

signage dye sublimation roll-to-roll printer. It brings remarkable print quality to a wide range of in- and outdoor applications such as banners, indoor wall graphics, shop decoration, outdoor advertising, trade show displays and more. You name it, Avinci is up to the challenge. Water-based technology for soft signage and fabric printing. The Avinci allows to create large-format, soft signage prints of up to 3.2 m wide with a maximum resolution of 540 x 1,080 dpi.

**Technical Committee's opinion:**

Through the process of dye sublimation, this unit prints directly onto fabrics. An efficient printing process and extremely vivid prints.

› [www.agfa.com](http://www.agfa.com)



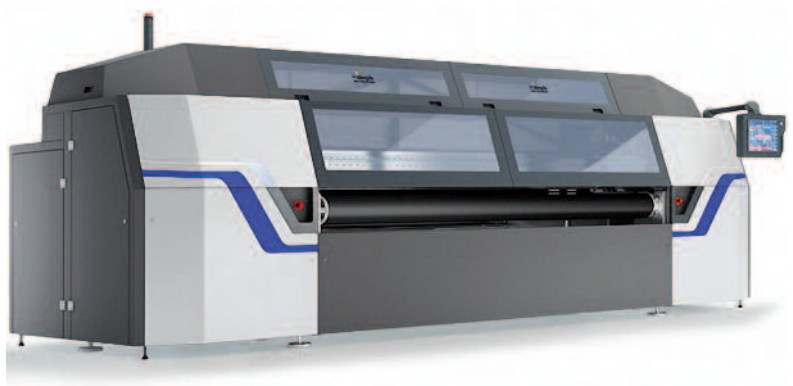
## TEXTILE PRINTER ON TRANSFER PAPER



### NOMINATED

#### Aleph LaForte Optima Paper340

There were no other entries in this new category. But there are some facts making the new generation of dye-sublimation paper on wider format printers interesting.



### THE WINNER LaForte Optima Paper340

The LaForte Optima Paper 340 reaches a speed up to 600 m<sup>2</sup>/h at maximum resolution and features a patented rotary belt with air vacuum system. Aleph argues that the price of transfer paper has fallen and knowledge of its use has increased. Transfer printing uses 20% to 30% less ink

(than direct to textile) and there are no additional costs. Printing is always on the same media (transfer paper) and it isn't therefore necessary to create new profiles each piece of textile. And it's possible to print on a much broader range of textiles. In terms of quality, as the textile is not pre-treated for direct printing, it much less, and the result is taut and professional looking. Also, colours may be more vivid and there is no risk of the ink rubbing off.

### Technical Committee's opinion:

Some users say that transfer printing is possibly better than direct printing. We will have a look whether the market sees the development as positive like the manufacturer itself. But the technical data are impressive.

› [www.alephteam.com](http://www.alephteam.com)

## DIRECT TO GARMENT PRINTER



### NOMINATED

#### Kornit

##### Kornit Avalanche HD6

The productive six-color-plus-white direct-to-garment printing system uses integrated pretreatment to reduce the costs per print and pushing out the break-even point against screen printing.



#### Brother

##### GTX

### THE WINNER GTX

Brother DTG has released its next generation of digital direct-to-garment printers with the GTX printer. The GTX print heads, developed by Brother, contain much more nozzles than its previous print heads. This allows for prints at 1,200 x 1,200 dpi in a single pass resulting in high quality prints at massproduction level speed.

Brother also has released a new ink system with the GTX printer. Innobella Textile waterbased pigment inks have a larger color gamut and are Okeo-Tex Eco-Passport certified and CPSIA compliant.

#### Technical Committee's opinion:

The new generation print-heads, the new ink for a wider color gamut and brighter colors, several new features to reduce maintenance costs and

the speed makes this printer attractive for the textile market.

› [www.brother-ism.com](http://www.brother-ism.com)



# THE RIGHT TECHNOLOGY LEND'S WINGS.



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



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## ENTRIES

# PRINTING SYSTEMS

## COMMERCIAL PRINTING

The following descriptions are based on the statements of the EDP Awards competitors, they are slightly edited for this publication and are not the opinion of the EDP Technical Committee. Recommended products for the next year's content are not described on this page.

### CUTSHEET PRINTER MONOCHROME UP TO B3

#### Canon | Océ VarioPrint 6000 Titan

The Océ VarioPrint 6000 Titan series offers a range of finishing options including booklet-making, perfect binding, tape binding, die punching and trimming.

#### Konica Minolta | AccurioPress 6136

High Productivity 136 A4 pages / 78 A3 pages per minute and up to 7,940 A4 pages per hour. Automatic and real-time density and registration adjustment is delivered by the IQ-501. High media flexibility: paper weight 40 - 350 gsm, declassified tools for professional feeding (e.g. envelop kit, heater on paper trays). Over 700 system configurations for highest customer flexibility, partnerships with well-known finishing companies e.g. Plockmatic, GBC, Watkiss.

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

#### Konica Minolta | AccurioPress C3080

High Productivity 81 A4 color pages / 45 A3 color ppm and up to 4,399 A4 pph. Automatic and real time density and registration adjustment is delivered by IQ-501. Banner duplex print up to length of 762 mm. Paper input capacity of up to 15,390 sheets from 11 trays. New integrated print submission software AccurioPro Print Manager. Banner simplex printing up to length of 1,300 mm. Dedicated tools for professional feeding (e.g. envelope kit, heater on paper trays, banner kit).

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

#### Ricoh | Pro C7200X series

The Ricoh Pro C7200X series helps commercial printers produce responsive, high quality, creative print. The compact, space saving production systems, offer print, scan and copy capabilities available in both 95 ppm and 85 ppm (prints per minute) at 2,400 x 4,800 dpi across a wide range of media up to 360 gsm. It supports long sheet printing up to 1,260 mm simplex. Enhancements

include improved image quality, productivity, colour stability, registration, usability, application capability and added automatic adjustment function. In addition, the fifth station allows for value added print applications with the new ability to print white plus CMYK in single pass and supports the use of new toner colours including neon pink and invisible red. Also new is peripheral support for a GBC eWire Binder, BDT Banner Sheet LCT and a Plockmatic banner sheet stacker.

### CUTSHEET PRINTER COLOR UP TO B3 > 500,000 A4/MONTH

#### Kodak | Nexfinity Digital Press

New Digital Press Platform with a 5-color print engine that dramatically improves the versatility of digital printing. Features a new high resolution (1,200 dpi) 8 bit LED writing system and unparalleled flexibility in sheet sizes, substrate types and thicknesses, color sequence and print enhancement options.

## ENTRIES

**WEB FED PRINTER MONO-  
CHROME > 550 MM WEB WIDTH****Ricoh | Pro V20000 series**

The Ricoh Pro V20000 continuous feed inkjet platform is a compact, versatile and simple to use system. It is ideally suited to a wide range of applications from transactional print to books, direct mail and leaflets. The 75 m/min., 600 x 600 dpi mono Ricoh Pro V20000 will work with a wide variety of papers including lightweight materials required in the pharmaceutical industry.

**WEB FED PRINTER COLOR  
< 550 MM WEB WIDTH****MGI | JETvarnish 3D Web Color+**

The JETvarnish 3D Web Color+ is the first digital all-in-one roll to roll digital press worldwide to offer the label market a complete inline solution without make ready and tools. This new press includes toner 4C printing, spot and flat (2D) and tactile effect (3D) inkjet varnish, foiling; all in digital with personalization if needed; and inline die cutting, slitting and rewinding.

The JETvarnish 3D Web Color+ configuration allow flexo primer application and embellishment on a variety of substrates from paper to synthetic and light cardboard. The JETvarnish 3D Web Color+ production speed, for 4C and embellishment with varnish and foil, is between 10 m/min and 20 m/min for 1,200 x 1,200 dpi 8 bits resolution (equivalent to 3,600 dpi) on a 330 mm web width. The speed without 4C printing can be as high as 42 m/min and the width up to 420 mm. The semi-rotary die cutting unit allows producing label roll in line without additional operation.

**LABEL PRINTER WEB****Konica Minolta | Accurio Label  
190**

Mid range toner based digital label press, with speed up 19 m/min., 330 mm web width, 1,200 x 1,200 offset quality, outstanding ease of use.

**Screen | Truepress Jet L350UV+  
and L350UV+LM**

As consumer tastes continue to diversify, the label printing industry's demand for improved multi-format, short-run capabilities is growing every year. There is also a trend towards

using an increasingly wide variety of materials in label designs to promote differentiation with competitor products. The Truepress Jet L350UV+ series has been developed to meet these needs. Its lineup includes a model with the ability to print food package labels, whilst all L350UV+ and L350UV+LM models deliver a combination of speed and quality. These systems are the key to unlocking a new wave of innovation in the label production field.

**LABEL AND FLEXIBLE  
PACKAGING PRINTER****HP Indigo | 6900 Digital Press**

Print any label in a simple, more productive and profitable way. Print anything and open new market opportunities by leveraging Indigos outstanding versatility. Be productive – increase productivity and put automation to work for you, no matter the job, no matter the run length. Stand out by relying on Indigos renowned print quality.

# RESULTS

## PRINTING SYSTEMS

### COMMERCIAL PRINTING

Category	Company   Product		Judging results
Cutsheet printer monochrome up to B3			<b>EDP Award 2018</b>
	Canon	Océ VarioPrint 6000 Titan*	<b>Winner</b>
	Konica Minolta	AccurioPress 6136	Finalist
Cutsheet printer color up to B3 < 200,000 A4/month			<b>No Award in 2018</b>
	Konica Minolta	AccurioPress C3080	Finalist
Cutsheet printer color up to B3 > 200,000 A4/month			<b>EDP Award 2018</b>
	Ricoh	Ricoh Pro C7200X series	<b>Winner</b>
Cutsheet printer color up to B3 > 500,000 A4/month			<b>EDP Award 2018</b>
	Kodak	Nexfinity Digital Press	<b>Winner</b>
Cutsheet printer color B1 (+)			<b>No Award in 2018</b>
	Heidelberg	Primefire 106*	Next year
Webfed printer monochrome			<b>No Award in 2018</b>
	Ricoh	Ricoh Pro V20000	Nominee
Webfed printer color			<b>No Award in 2018</b>
	MGI	JETvarnish 3D Web Color+	Nominee

# RESULTS

# PRINTING SYSTEMS

## COMMERCIAL PRINTING

Category	Company   Product		Judging results
Label printer small size, low volume			<b>No Award in 2018</b>
	OKI	Oki Pro 1040 3 Pr 150 toner*	Nominee
	Primera	CX1200e Digital Color Label*	Nominee
Label Printer web (•)			<b>EDP Award 2018</b>
	Konica Minolta	Accurio Label 190	Finalist
	Mouvent	LB 701-UV*	Nominee, next year
	Screen	Truepress Jet L350UV+*	Nominee
	Screen	Truepress Jet L350UV+LM*	<b>Winner</b>
	Xeikon	PX2000 UV*	Nominee, next year
Label and flexible packaging printer (•)			<b>No Award in 2018</b>
	Colordyne	3600 Series UV*	Nominee, next year
	Dantex	PicoJet*	Nominee, next year
	HP Indigo	HP Indigo 6900	Finalist
	Mouvent	LB 702-UV*	Nominee, next year
	Xeikon	CX500*	Nominee
Print engines and print heads			<b>No Award in 2018</b>
	Memjet	DuraLink, Series*	Next year
	Mouvent	Cluster printheads*	Nominee, next year

\* EDP member submission.

• New or changed category.

Nominee: This product was nominated for an Award.

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

No Award in 2018: There is no Award in this category this year.

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

## FINALISTS AND WINNERS

# PRINTING SYSTEMS

## COMMERCIAL PRINTING

Out of the entries and member submissions the **EDP TECHNICAL COMMITTEE** has nominated products for an EDP Award and suggested the finalists. Middle of April 2018 the EDP members voted and made the final decision which product is being honoured with an **EDP AWARD**. Congratulations!



This year no accolades are given in the following categories:

- Cutsheet printers up to B3  
< 200,000 A4/month
- Cutsheet printers color B1 (+)
- Webfed printers monochrome
- Webfed printers color
- Label printers small size,  
small volume
- Label and flexible packaging printers
- Print engine and print heads



# CUTSHEET PRINTER MONOCHROME UP TO B3



## NOMINATED

### Konica Minolta Business Solutions

#### AccurioPress 6136

This printer is a high productive 136 A4 pages per minute (78 A3 pages per minute and 7,940 A4 pages per hour) unit.

Automatic real-time density and registration adjustment is delivered by the IQ-501. The media flexibility is between a paper weight of 40 - 350 gsm and tools for professional feeding (e.g. envelop kit) are included as well as system configurations for finishing components from Plockmatic, GBC or Watkiss.

### Canon

#### Océ VarioPrint 6000 Titan



## THE WINNER

### VarioPrint 6000 Titan

The Titan series is built on the established Océ VarioPrint 6000 platform for monochrome digital production when it was first launched a decade ago. Its Gemini Instant Duplex Technology is still unmatched.

Supporting volumes of up to 10 million A4 size impressions per month, the new presses are ideally

suited for producers of commercial print materials, books and transactional documents, as well as large in-plants. The Océ VarioPrint 6000 Titan series comes in three versions and has a range of finishing options including booklet-making, perfect binding, tape binding, die punching, trimming and offers an open Document Finishing Device (DFD) Interface for further connectivity to compatible 3rd party finishers on demand.

### Technical Committee's opinion:

Black-and-white output remains a mainstay of industrial print production. Canon is committed to continuous innovation in this technology. These products can meet new or established business models to transform the services.

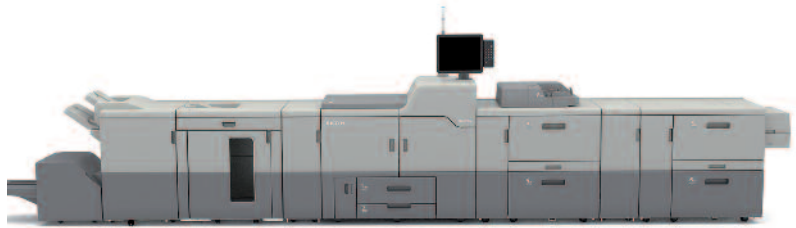
› [www.canon.com](http://www.canon.com)

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



### NOMINATED

There were no other entries in this category. This development will be successful anyway because Heidelberg as well adapted the product in their product range. On the other hand there are some really interesting new features.



### Ricoh Europe PLC Pro C7200X series

#### THE WINNER Ricoh Pro C7200X series

The compact, space saving production systems, offer print, scan and copy capabilities available in both 95 ppm and 85 ppm (prints per minute) at 2,400 x 4,800 dpi across a wide range of media up to 360 gsm. The system supports long sheet printing up to 1,260 mm simplex. Enhancements include improved image quality, productivity, colour stability,

registration, usability, application capability and added automatic adjustment function. In addition, the fifth station allows print applications with white plus CMYK in single pass and supports new toner colours including neon pink and invisible red. There is a 17 inch operation panel, a new media management tool, auto calibration, auto registration adjustment and improved jam removal. Also new is peripheral support for a GBC eWire Binder, BDT Banner Sheet

LCT and a Plockmatic banner sheet stacker.

#### Technical Committee's opinion:

The Ricoh Pro C7200X series may help print-for-pay businesses, commercial printers, corporate reprographics and marketing environments produce highly responsive, high quality, creative print.

› [www.ricoh-europe.com](http://www.ricoh-europe.com)

# CUTSHEET PRINTER COLOR UP TO B3 > 500,000 A4/MONTH



## NOMINATED

There were no other entries in this category. But this major new generation of digital printing unit will accompany the digital printing industry within the next years.



**Kodak**

**Nexfinity Digital Press**

## THE WINNER Kodak Nexfinity

The Nexfinity platform is powered by a new imaging system utilizing Kodak Dynamic Imaging Technology. With a maximum speed of 131 A4 pages per minute, the press is ideal for monthly page volumes that exceed 1,000,000 impressions, enabling to optimize hybrid offset/digital production mix and grow total page volume.

The new platform with a 5-color print engine improves the versatility of digital printing, features a resolution of 1,200 dpi with a 8 bit LED writing system and offers flexibility in sheet sizes, substrate types and thicknesses, color sequence and print enhancement options. Special inks and surface finishes including gold, 3D dimensional, opaque white and clear dry inks help to differentiate the printed communications.

## Technical Committee's opinion:

This digital printing unit is more than an upgrade of the Nexpress. Like all Kodak digital sheetfed presses, Nexfinity is designed to appreciate over time, with an ongoing stream of upgrades and advancements that will improve productivity and application flexibility.

› [www.kodak.com](http://www.kodak.com)

## LABEL PRINTER WEB



### NOMINATED

#### Konica Minolta Accurio Label 190

Mid range toner based digital label press, with speed up to 19 m/min., 330 mm web width, 1,200 x 1,200 offset quality, outstanding ease of use.

#### Screen

#### Truepress Jet L350UV+ and L350UV+LM



#### Screen

#### Screen Truepress Jet L350UV+LM

### THE WINNER

#### Screen Truepress Jet L350UV+LM

As consumer tastes continue to diversify, the label printing industry's demand for improved multi-format, short-run capabilities is growing every year. There is also a trend towards using an increasingly wide variety of materials in label designs to promote differentiation

with competitor products.

The Truepress Jet L350UV+ series has been developed to meet these needs. Its lineup includes a model with the ability to print food package labels, whilst all L350UV+ and L350UV+LM models deliver a combination of speed and quality.

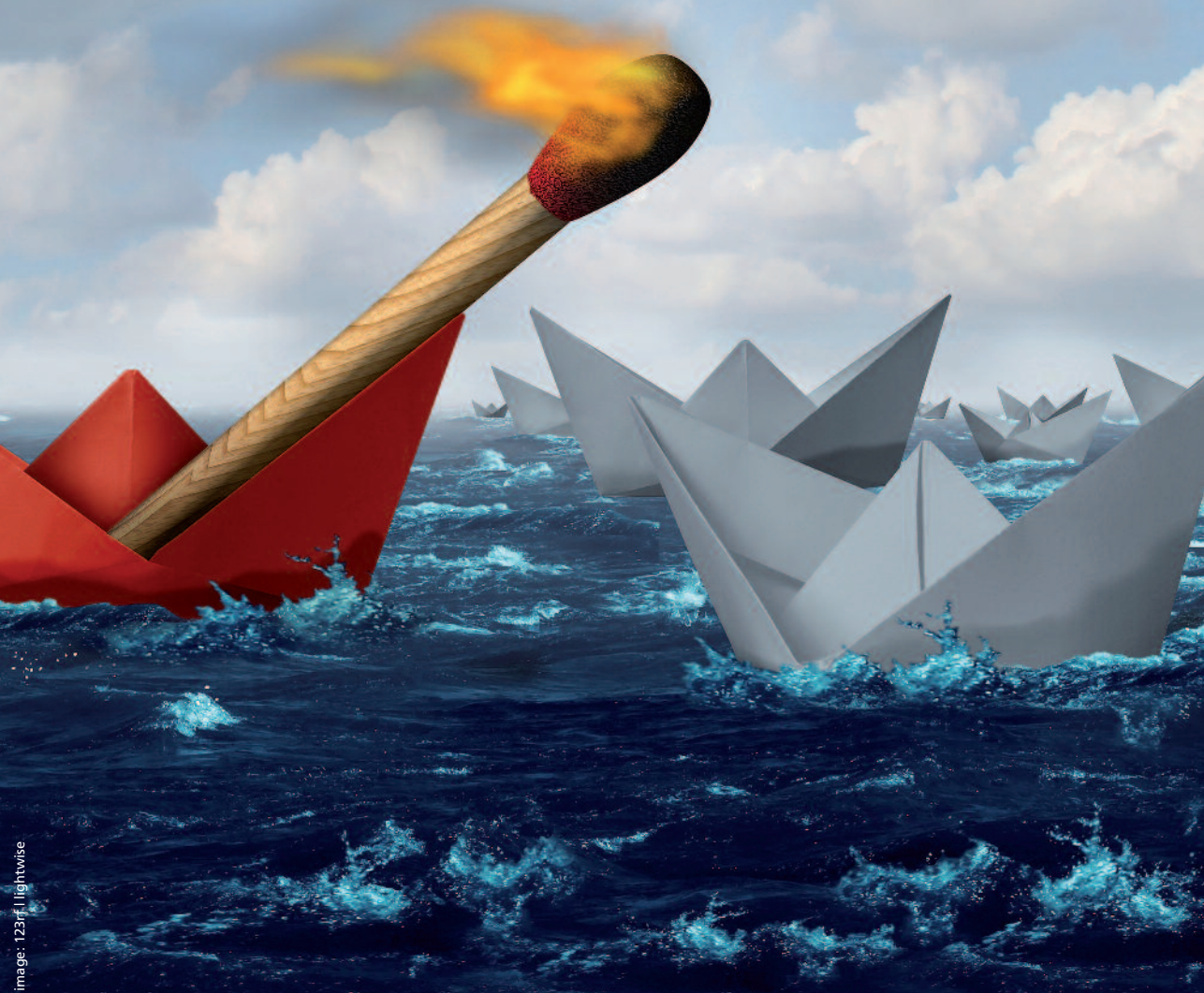
These systems are the key to unlocking a new wave of innovation in the label production field.

#### Technical Committee's opinion:

The Screen Truepress Jet L350UV offers unmatched functions for labels and food packaging. The orange ink and the new low migration inks for food packaging are especially interesting.

› [www.screeneurope.com](http://www.screeneurope.com)

# HOW DO YOU PROTECT YOUR INVESTMENTS?



Paying attention to **INVESTMENT PROTECTION** of the production equipment, security counts more than discounts. For this the EDP Awards are a reliable advisor. If Europe's 21 leading trade magazines on digital production, united in the European Digital Press Association, yearly honour the best technological developments with the popular **EDP Awards**, these are selected according to criteria like achievement, quality and costs. Thus the EDP Awards offer orientation and give a neutral recommendation for purchase decisions.



[www.edp-awards.org](http://www.edp-awards.org)

## ENTRIES

# PRINT & FINISHING

## INDUSTRIAL SOLUTIONS

The following descriptions are based on the statements of the EDP Awards competitors, they are slightly edited for this publication and are not the opinion of the EDP Technical Committee. Recommended products for the next year's content are not described on this page.

### LABEL PRINTING SOLUTION

#### ebeam, Uteco, INX | Gaia

Gaia has been created through combining Uteco's expertise in web handling, INX Digital's expertise in the customization and integration of digital technologies and print engines, and an in-line ebeam Technologies' ebeam Compact 80/400 curing unit. The 4-colour solution uses recently developed photoinitiator-free inkjet ebeam curable inks from INX Digital, has a resolution up to 720 x 360 dpi, and a throughput speed of up to 25 m/min. With a footprint of only 4.4 x 1.5 m, it is a low energy and low pollution solution that will safely and conveniently fit into print room environments.

#### Konica Minolta | Accurio Label 190

Mid range toner based digital label press, with speed up 19 m/min., 330 mm web width, 1,200 x 1,200 offset quality, outstanding ease of use.

### PRINT & FINISHING SOLUTION

#### MGI | JETvarnish 3D Web Color+

The JETvarnish 3D Web Color+ is the first digital all-in-one roll to roll digital press worldwide to offer the label market a complete in line solution without make ready and tools. This new press includes toner 4C printing, spot and flat (2D) and tactile effect (3D) inkjet varnish, foiling; all in digital with personalization if needed; and inline die cutting, slitting and rewinding. The JETvarnish 3D Web Color+ configuration allow flexo primer application and embellishment on a variety of substrates from paper to synthetic and light cardboard. The JETvarnish 3D Web Color+ production speed, for 4C and embellishment with varnish and foil, is between 10 m/min and 20 m/min for 1,200 x 1,200 dpi 8 bits resolution (equivalent to 3,600 dpi) on a 330 mm web width. The speed without 4C printing can be as high as 42 m/min and the width up to 420 mm. The semi-rotary die cutting unit allows producing label roll in line without additional operation.

### CORRUGATED SOLUTION

#### EFI | EFI Nozomi C18000

Ultra-high-speed (75 linear m/min.) single-pass LED corrugated board production press.

### WALL PAPER PRODUCTION

#### Veika | Dimense

Dimense technology does exactly what its name implies – it “dimenses” digital printing. It is a wide format digital printing technology, which makes it possible to print unique embossing at the same time as the item is digitally printed at virtually any size and without repeating the embossing pattern. So structure and motif can be perfectly matched to each other, or the structure may be completely different than the picture itself – it all depends on the designer's creativity.

## TEXTILE PRODUCTION

### Konica Minolta | Nassenger SP-1

Equipped with functionality that compensates for errors detected by printhead nozzle sensors. Now able to adjust density uniformly for each color on all of the printhead modules, thanks to density correction functions using image sensors. Newly developed mechanism for automatically cleaning the printhead module nozzle surface eliminates extra labor and skill previously required for nozzle cleaning, and also allows long-term, stable printing. Nassenger uses single-pass technology that prints on cloth (media) fed on a belt under the fixed printing units. The result is an inkjet printer that achieves comparable production quality to screen printers.

### Trotec | SP4000 C

The SP4000 C is a dedicated large format laser cutter for the high volume finishing of soft signage products. It consists of a 3,210 mm x 3,210 mm laser cutter with a conveyor bed, an accompanying material feeder and an optional un-

loading table. The laser cut process ensures sealed edges for all soft signage materials eliminating additional edge seaming for many applications. The contact free cut ensures a reliable finishing process even for delicate and elastic materials. The SP4000 C features high laser power and flying optics for maximum productivity, an optimized exhaust solution for excellent cutting results and a safe working environment, as well as fully automatic, highly reliable material flow.

# RESULTS

## PRINT & FINISHING

### INDUSTRIAL SOLUTIONS

Category	Company   Product		Judging result
Label printing solution			<b>EDP Award 2018</b>
	ebeam, Uteco, INX	Gaia*	<b>Winner</b>
	Konica Minolta	Accurio Label 190	Finalist
Print & finishing solution (•)			<b>EDP Award 2018</b>
	MGI	JETvarnish 3D Web Color+	<b>Winner</b>
Corrugated solution			<b>EDP Award 2018</b>
	EFI	Nozomi C18000	<b>Winner</b>
Wallpaper production			<b>EDP Award 2018</b>
	Veika	Dimensor	<b>Winner</b>
Textile production			<b>EDP Award 2018</b>
	Konica Minolta	Nassanger SP-1*	<b>Winner</b>
	Trotec	SP4000C	Finalist

\* EDP member submission.

• New or changed category.

Nominee: This product was nominated for an Award.

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

No Award in 2018: There is no Award in this category this year.

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



# BELOW THE LINE IT'S SIMPLY CLEVER.



**RESOURCE OPTIMISATION**, for example: If production equipment and consumables are perfectly matched, you reach top performances. For this the EDP Awards are a reliable advisor. If Europe's 21 leading trade magazines on digital production, united in the European Digital Press Association, yearly honour the best technological developments with the popular **EDP Awards**, these are selected according to criteria like achievement, quality and costs. Thus the EDP Awards offer orientation and give a neutral recommendation for purchase decisions.



[www.edp-awards.org](http://www.edp-awards.org)

## NOMINEES AND WINNERS **PRINT & FINISHING** SOLUTION

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## LABEL PRINTING SOLUTION



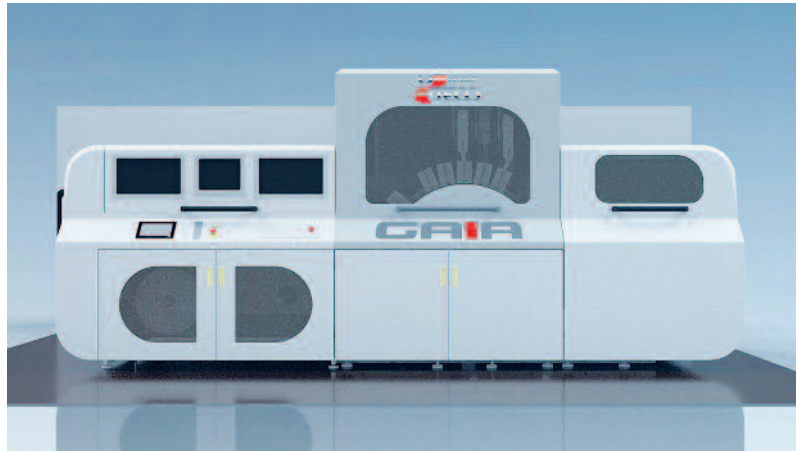
### NOMINATED

#### Konica Minolta Business Solutions

##### Accurio Label 190

Mid range toner based digital label press, with speed up to 19 m/min, 330 mm web width, 1,200 x 1,200 offset quality, outstanding ease of use.

ebeam, Uteco, INX  
**GAIA**



### THE WINNER

#### GAIA

GAIA has been created through combining Uteco's expertise in web handling, INX Digital's expertise in the customization and integration of digital technologies and print engines, and an in-line ebeam Technologies' ebeam Compact 80/400 curing unit. The 4-colour solution uses recently developed photoinitiator-free

inkjet ebeam curable inks from INX Digital, has a resolution up to 720 x 360 dpi, and a throughput speed of up to 25 m/min. With a footprint of only 4.4 x 1.5 m, it is a low energy and low pollution solution that will safely and conveniently fit into print room environments.

#### Technical Committee's opinion:

It's the combination of the printing unit, the inks and the curing system that makes this product excep-

tionally. Using electron beam technology, printers can eliminate risks associated with photoinitiators, migration, and VOC emissions. This combination of technologies possibly can inspire other manufacturer for other applications.

› <https://ebeamtechnologies.com>

## PRINT & FINISHING SOLUTION



### NOMINATED

#### MGI Digital Technology JETvarnish 3D Web Color+

For the first time a combination of digital printing machine and finishing was submitted. Therefore, the new category was created.

### THE WINNER

#### JETvarnish 3D Web Color+

The JETvarnish 3D Web Color+ is the first digital all-in-one roll to roll digital press worldwide to offer the label market a complete inline solution without make ready and tools. This new press includes toner 4c printing, spot and flat (2D) and tactile effect (3D) inkjet varnish, foiling, inline die cutting, slitting and rewinding. All in digital with personaliza-

tion if needed. The JETvarnish 3D Web Color+ configuration allow flexo primer application and embellishment on a variety of substrates from paper to synthetic and light cardboard.

The JETvarnish 3D Web Color+ production speed, for 4c and embellishment with varnish and foil, is between 10 m/min and 20 m/min for 1,200 x 1,200 dpi 8 bits resolution (equivalent to 3,600 dpi) on a 330 mm web width. The speed without 4c printing can be as high as

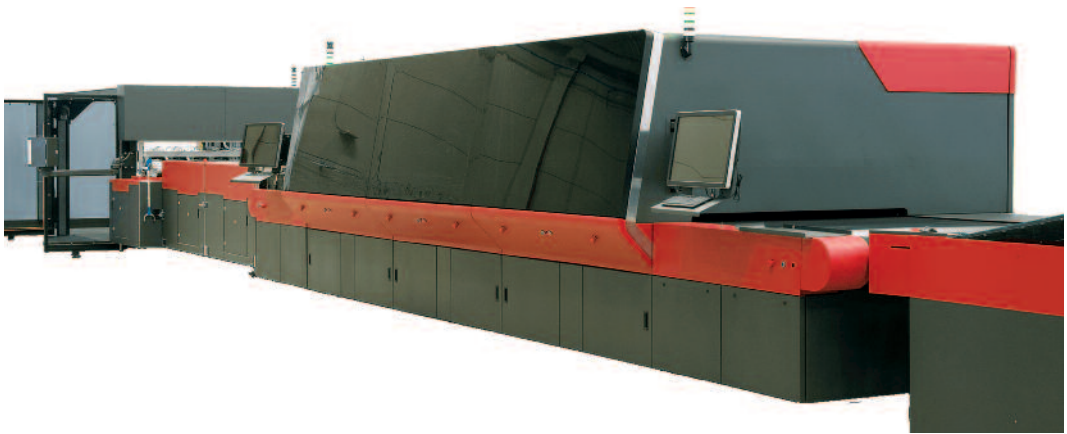
42 m/min and the width up to 420 mm. The semi-rotary die cutting unit allows producing label roll in line without additional operation.

#### Technical Committee's opinion:

This solution seems to be a perfect match for high-performance 'all-in-one' production.

› [www.mgi-fr.com](http://www.mgi-fr.com)

# CORRUGATED SOLUTION



## NOMINATED

EFI

**EFI Nozomi C18000**

## THE WINNER

**EFI Nozomi C18000**

The EFI Nozomi C18000 is a sheetfed, digital packaging press has run speeds up to 8,100 m<sup>2</sup>/h and can print on boards up to 1.8 m x 3 m in size. Users will gain versatility thanks to a double-lane printing feature that enables full utilization of the press's speed and width and in-

creases throughput up to 9,000 boards 80 x 60 cm per hour.

The press's LED imaging capabilities provide brilliant, accurate color imaging on just about any board substrate, including traditional Kemi, model, bleach and kraft materials. The high-speed (75 linear m/min.) single-pass LED corrugated board production press uses in the base configuration CMYK and can be upgrade with white and an inline coating station.

## Technical Committee's opinion:

Last year the Nozomi was recommended by the EDP Technical committee for this year's awards. In the meantime the single pass system is running at customer sites and is in daily use.

› [www.efi.com](http://www.efi.com)

## WALL PAPER SOLUTION

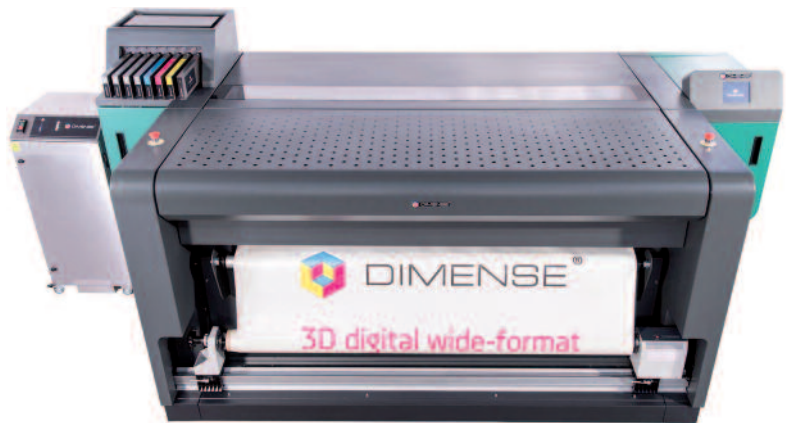


### NOMINATED

Veika

#### Dimense

Wallpaper printing is up to now a business for big editions. And up to now, the embossing had limited the production of wallpapers. Now this changes.



### THE WINNER

#### Veika Dimense

Dimense technology does exactly what its name implies – it “dimenses” digital printing. It is a wide format digital printing technology which makes it possible to print unique embossing at the same time as the item is digitally printed at virtually any size and without repeating the embossing pattern. So structure and motif can be

perfectly matched to each other, or the structure may be completely different than the picture itself – it all depends on the designer’s creativity. This pioneering technology makes it possible to print the embossing at the same time as the item is digitally printed.

#### Technical Committee’s opinion:

The innovative Lithuanian wallpaper materials producer has now developed an entirely new printing

technology. It’s the world’s first printer that makes digital print and embossing simultaneously and effectively. The system allows the user to print non-repetitive and unique wallpapers.

› [www.veika.lt](http://www.veika.lt)

# TEXTILE PRODUCTION



## NOMINATED

### Trotec Laser GmbH SP4000 C

The SP4000 C is a dedicated large format laser cutter for the high volume finishing of soft signage products. It consists of a 3,210 mm x 3,210 mm laser cutter with a conveyor bed, an accompanying material feeder and an optional unloading table.



### Konica Minolta Nassenger SP-1

## THE WINNER Nassenger SP-1

Equipped with functionality that compensates for errors detected by printhead nozzle sensors. Now able to adjust density uniformly for each color on all of the printhead modules, thanks to density correction functions using image sensors. Newly developed mechanism for automatically cleaning the printhead module nozzle

surface eliminates extra labor and skill previously required for nozzle cleaning, and also allows long-term, stable printing. Nassenger uses single-pass technology that prints on cloth (media) fed on a belt under the fixed printing units. The result is an ink-jet printer that achieves comparable production quality to screen printers.

### Technical Committee's opinion:

The printer is equipped with a newly developed

printhead module for single-pass printing. Especially interesting is the construction, similar to a sheedfed offset machine with single towers for each color.

› [www.konicaminolta.com](http://www.konicaminolta.com)

## ENTRIES

**FINISHING AND ENHANCEMENT**

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**DIGITAL SHEETFEED CUTTING SOLUTION****Highcon Systems | Euclid III C**

The Highcon Euclid III C digital cutting and creasing machine has been specifically engineered to suit the needs of packaging converters working in B1 or B2 format for corrugated and fluted substrates from 1 mm up to 3 mm / 40-120pt.

**Zünd | Laser Module - LM 100W**

The laser module cuts and seals in one process.

**DIGITAL WIDE FORMAT CUTTING SOLUTION****eurolaser | eurolaser XL-3200**

The CO<sub>2</sub> laser machine XL-3200 with a processing area of 2,270 x 3,200 mm (89.3" x 126") is the largest model of the XL series. The huge dimensions allow the processing of big-size materials. The high acceleration of the optical head releasing the laser beam assures best efficiency even on this table size.

**Trotec Laser | SP4000 C**

The SP4000 C is a dedicated large format laser cutter for the high vo-

lume finishing of soft signage products. It consists of a 3,210 mm x 3,210 mm laser cutter with a conveyor bed, an accompanying material feeder and an optional unloading table. The laser cut process ensures sealed edges for all soft signage materials eliminating additional edge seaming for many applications. The contact free cut ensures a reliable finishing process even for delicate and elastic materials. The SP4000 C features high laser power and flying optics for maximum productivity, an optimized exhaust solution for excellent cutting results and a save working environment, as well as fully automatic, highly reliable material flow.

**Zünd DK | Océ Auto Pilot**

With just one click Océ Auto Pilot automatically identifies and starts processing all jobs placed on the cutter. You can even place different jobs in different materials on the cutter and process them at the same time. Auto Pilot increases the productivity leaving more time for the operator to attend other work during the cutting process.

**Zünd |****Laser Module - LM 100W**

See above.

**FINISHING SUPPORT TOOL****Zünd | Over Cutter Camera - OCC**

The Over Cutter Camera - OCC captures all the registration marks in the workspace with a single shot. This allows fast and fully automatic registration of orders.

**BOOK-ON-DEMAND POSTPRESS SOLUTION****Tecnau | Libra 800**

Libra 800 is the only fully automated and integrated system to produce one unique book at a time, allowing variability from one book to the next in dimension (footprint), thickness, and cover types (soft cover, false cover, cover with flaps).

**WIDE FORMAT FINISHING SOLUTION INLINE****Zünd | Cut Center Dashboard**

The browser-based dashboard gives management and production staff easy, full-time remote access to relevant performance data. It lets you always keep an eye on real-time order status and Zünd cutter utilization.



## ENTRIES

## CUTSHEET FINISHING SOLUTION INLINE

### Tecnau | Finishing for i-series

New Finishing Solutions for dynamic perforating, punching and cutting inline to sheet-fed digital printers.

## WEBFED FINISHING SOLUTION

### HP Indigo | HP Indigo GEM

HP Indigo GEM adds digital embellishments to the printing pass, enabling a fully digital, tooling-free, and streamlined production line with a single point of control. It enables an efficient print process for any label type, and allows the application of digital variable foil, tactile (silk screen-like), spot varnish, mini textures, cast & cure digital holograms, and more.

### Leonhard Kurz | DM-Liner UV-Ink

The DM-Liner UV-Ink digitally transfers metallization onto paper and cardboard. The transfer process can be up- or downstream of the color printing. The designs to be metallized are first printed with UV-Ink. The metallization is then transferred to the substrate and hardened with

LED UV. The carrier foil is removed after the transfer procedure. The attractive and high-gloss flat metallized digital finishing results guarantee further processing. With three different versions of the DM-Liner Kurz enables integration, flexibility and variability for premium customizations with real metal in digital printing. And it offers a dedicated digital foil finishing solution for almost every requirement of printing industry. As a Stand-Alone system it ensures digital foil enhancement of printed products in one step. The built-in module upgrades digital printing machines with a solution for a completely printing and finishing process and the module equips flexo printing with a perfect add-on for digitally enhancing labels in one step. It can be used for personalization, individualization or late stage customization needs, for small runs as well as various label or packaging campaigns with metal effects.

## LAMINATION, FOILING, HOT STAMPING, EMBOSSING ETC.

### Karlville

#### HP Indigo Pack Ready Laminator

Pack Ready lamination is based on an ecosystem of material suppliers,

Karlville laminating equipment and HP R&D. Pack Ready has several advantages as zero-cure-time lamination and strong bond between HP Indigo digitally printed substrate and Pack Ready laminate film. The new process enables digital converters to print, laminate and pouch on demand for time-to-market with qualified food safety regulations. The HP Indigo Pack Ready Laminator by Karlville is designed for lower environmental impact and simple operation.

### Leonhard Kurz | DM-Liner UV-Ink See Webfed finishing.

## LAMINATORS, VARNISHING / UV VARNISHING SYSTEMS ETC.

### Duplo International

#### DuSense Sensory Coater

The system creates a digital emboss and heightens the senses and engages who ever receives the printed application, in a way that until recently, was out of the price range of most commercial printers. By utilizing Duplos proven feeding technologies, setup times are limited and the first sheet printed is sellable. The 600 dpi UV inkjet heads offers a huge variety of printed applications.

## RESULTS

**FINISHING & ENHANCEMENT**

Category	Company   Product		Judging results
<b>FINISHING SYSTEMS</b>			
Digital sheetfed cutting solutions (•)			<b>EDP Award 2018</b>
	Highcon	Euclid IIC	<b>Winner</b>
	Zünd	Laser Module LM 100W	Finalist
Digital wide format cutting solution (•)			<b>EDP Award 2018</b>
	eurolaser	XL-3200*	<b>Winner</b>
	Trotec	SP4000 C	Finalist
	Zünd	Laser Module LM 100W	Finalist
	Zünd DK	Océ Auto Pilot for Océ Procut	Finalist
Finishing support tool (•)			<b>EDP Award 2018</b>
	Zünd	OCC Over Cutter Camera	<b>Winner</b>
Book-on-demand postpress solution (•)			<b>EDP Award 2018</b>
	Tecna	Libra 800	<b>Winner</b>
Wide Format Finishing Inline (•)			<b>No Award in 2018</b>
	Zünd	Zünd Cut Center Dashborad	Finalist
Wide Format Finishing Offline (•)			<b>No Award in 2018</b>
	Trotec	SP4000 C	Finalist, next year
Cutsheet Finishing Inline (•)			<b>No Award in 2018</b>
	Tecna	Finishing solutions for i-series	Finalist
Webfed Finishing Solution (•)			<b>EDP Award 2018</b>
	HP Indigo	HP Indigo GEM	<b>Winner</b>
	Leonhard Kurz	DM-Liner UV-Ink	Finalist

# RESULTS

## FINISHING & ENHANCEMENT

Category	Company   Product		Judging results
<b>ENHANCEMENT</b>			
Lamination, Foiling, Hot Stamping, Embossing Systems etc.			<b>EDP Award 2018</b>
	Karlville	HP Indigo Pack Ready Laminator	Finalist
	Leonhard Kurz	DM-Liner UV-Ink	<b>Winner</b>
Laminators, Varnishing Systems, UV Varnishing Systems etc.			<b>No Award in 2018</b>
	Duplo	DuSense Sensory Coater	Finalist

\* EDP member submission.

• New or changed category.

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

No Award in 2018: There is no Award in this category this year.

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

## NOMINEES AND WINNERS

# FINISHING & ENHANCEMENT

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This year no accolades are given in the following categories:

- Wide format finishing inline
- Wide format finishing offline
- Cutsheet finishing inline
- Laminators, Varnishing Systems, UV Varnishing Systems etc.

# DIGITAL SHEETFED CUTTING SYSTEMS



## NOMINATED

Zünd Systemtechnik AG  
**Laser Module - LM**  
**100W**

The laser module cuts and seals in one process.

Highcon Systems Ltd.  
**Highcon Euclid III C**



## THE WINNER

### Highcon Euclid III C

The Highcon Euclid III C digital cutting and creasing machine has been specifically engineered to suit the needs of packaging converters working in B1 or B2 format for corrugated and fluted substrates from 1 mm up to 3 mm. The Highcon Euclid III C replaces a complex, expensive and slow die-making

and setup process, with an digital system, delivering improved responsiveness, design flexibility and enhanced efficiency. It addresses today's operational challenges and answers tomorrow's growth needs by opening the door to new opportunities in high value applications and markets; from packaging and commercial print applications to Web-to-Pack and even 3D modeling.

## Technical Committee's opinion:

The versatility of the Highcon Euclid III C will enable converters, printers, trade finishers or even 3D service bureaus to keep up with the innovation and differentiation clients are seeking.

› [www.highcon.net](http://www.highcon.net)

# DIGITAL WIDE FORMAT CUTTING SOLUTION



## NOMINATED

### Trotec Laser GmbH SP4000 C

The SP4000 C is a dedicated large format laser cutter for the high volume finishing of soft signage products. It consists of a 3,210 mm x 3,210 mm laser cutter with a conveyor bed, an accompanying material feeder and an optional unloading table.



### Zünd DK

#### Océ Auto Pilot for Océ Procut

With just one click Océ Auto Pilot automatically identifies and starts processing all jobs placed on the cutter.

### Zünd Systemtechnik AG Laser Module - LM 100W

The laser module cuts and seals in one process.

### eurolaser eurolaser XL-3200

## THE WINNER eurolaser XL-3200

The CO<sub>2</sub> laser machine XL-3200 with a processing area of 2,270 x 3,200 mm (89.3" x 126") is the largest model of the XL series. The huge dimensions allow the processing of big-size materials. The high acceleration of the optical head releasing the laser beam assures best efficiency even on this table size.

eurolaser offers this unit to process adhesive foils, wood, acrylic, composite materials and much more. The CO<sub>2</sub> laser machine XL-3200 is also available with a conveyor system for textiles processing.

### Technical Committee's opinion:

eurolaser customizes the technology to the needs of the application through the modular design of the laser systems. The user will receive a laser machine specially configured for his

requirements and designed to meet his needs which will arise in later use.

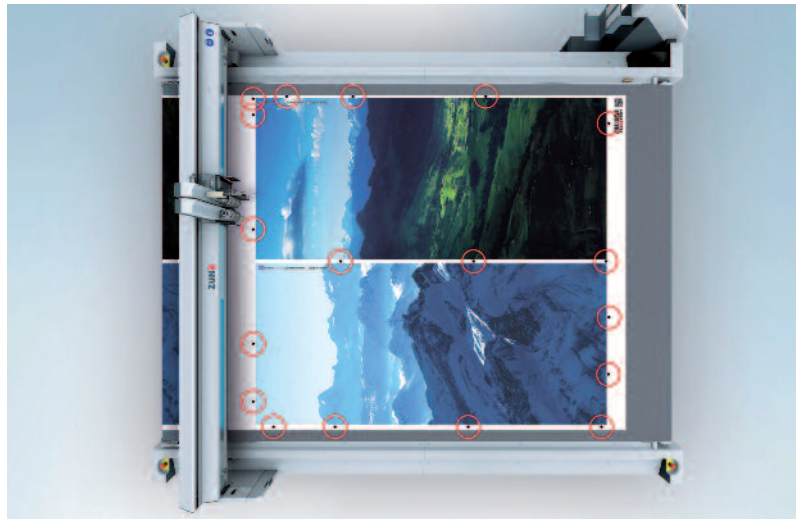
› [www.eurolaser.com](http://www.eurolaser.com)

## FINISHING SUPPORT TOOL



### NOMINATED

Zünd Systemtechnik AG  
Over Cutter Camera -  
OCC



### THE WINNER

#### Zünd Over Cutter Camera - OCC

The Over Cutter Camera – OCC is an intelligent optics system for fully automated digital capture of registration marks. The camera is mounted above the center of the cutter, either on a support frame or suspended from the ceiling. It captures all register marks within the working area of the cutting

system in a single image and in a matter of seconds.

Because of the OCC's one-shot capture technology, the number or register marks along with their position on the cutting surface become completely irrelevant. This significantly increases the overall productivity of the cutting system. The data processing functions are completely integrated in the ZCC software: in seconds, algorithms analyze the data captured by the camera and simultane-

ously compensate for any distortions.

#### Technical Committee's opinion:

The OCC captures all the registration marks in the workspace with a single shot. This allows fast and fully automatic registration of orders.

› [www.zund.com](http://www.zund.com)

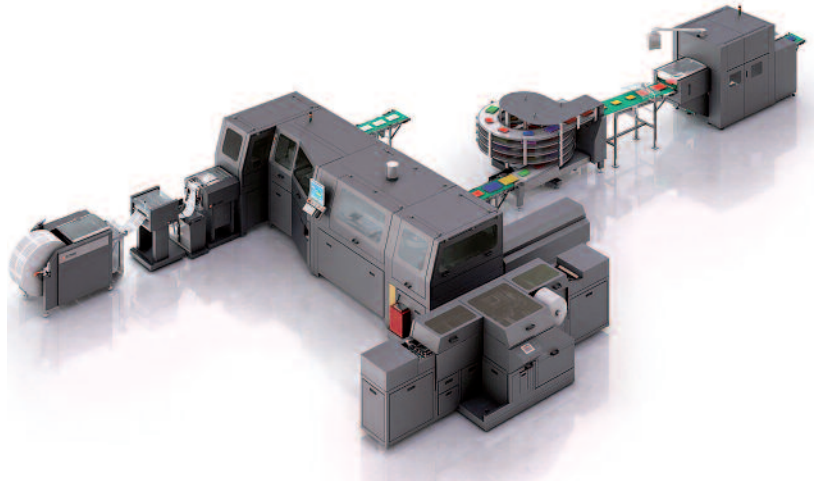
# BOOK-ON-DEMAND POSTPRESS SOLUTION



## NOMINATED

There were no other entries in this category. But this new generation of book on demand post-press solution will accompany the digital printing industry within the next years.

**Tecnau**  
**Libra 800**



## THE WINNER

**Tecnau Libra 800**

Libra 800 is a fully automated and integrated system to produce one unique book at a time, allowing variability from one book to the next in dimension (footprint), thickness, and cover types (soft cover, false cover, cover with flaps).

Libra is an inline or near line solution, with input from roll (one or two

paper input) and/or from pre-assembled book-blocks for fully automated book on demand production. With a productivity up to 800 books per hour, Libra provides flexibility and efficiency for short run, personalized books and book of one production in markets such as short runs, manuals, limited editions, authors publishing, research papers, republishing, financial reports, art books and more. Small volume publications become an opportunity.

## Technical Committee's opinion:

As the average book run is being dramatically reduced, Libra is a suitable solution to support short run and book on demand production. It's possible to reduce to zero the stocks of each copy and the risk of unsold inventory.

› [www.tecnau.com](http://www.tecnau.com)



# WEBFED FINISHING SOLUTION



## NOMINATED

Leonhard Kurz

### DM-Liner UV-Ink

The DM-Liner UV-Ink digitally transfers metallization onto paper and cardboard. The transfer process can be up- or downstream of the color printing. The designs to be metallized are first printed with UV-Ink. The metallization is then transferred to the substrate and hardened with LED UV.

HP Inc.

### HP Indigo GEM



## THE WINNER

### HP Indigo GEM

HP Indigo GEM adds digital embellishments to the printing pass, enabling a fully digital, tooling-free, and streamlined production line with a single point of control. It enables an efficient print process for any label type, and allows the application of digital variable foil, tactile (silk screen-like), spot varnish, mini textures, cast

and cure digital holograms, and more.

Integrated with the HP Indigo WS6800 Digital Press, the GEM produces highly decorated labels simply and efficiently.

### Technical Committee's opinion:

Inline with the HP Indigo WS6800, the HP Indigo GEM is a fully digital one-pass printing press for embellishing with foil, screen, tactile, varnish and other special effects, using one workflow, one operator,

and one design file without the need for tooling. With these solutions converters can streamline and reinvent the production floor and print any label, no matter the complexity, to successfully help meet new market demands.

› [www.hp.com](http://www.hp.com)

## LAMINATION, FOILING, HOT STAMPING ...

**NOMINATED**
**Karlville  
HP Indigo Pack Ready  
Laminator**

Pack Ready lamination is based on an ecosystem of material suppliers, Karlville laminating equipment and HP R&D. Pack Ready has several advantages as zero-cure-time lamination and strong bond between HP Indigo digitally printed substrate and Pack Ready laminate film. The new process enables digital converters to print, laminate and pouch on demand for time-to-market with qualified food safety regulations. The HP Indigo Pack Ready Laminator by Karlville is designed for lower environmental impact and simple operation.

**Leonhard Kurz  
DM-Liner UV-Ink**
**THE WINNER  
DM-Liner UV-Ink**

The DM-Liner UV-Ink digitally transfers metallization onto paper and cardboard. The transfer process can be up- or downstream of the color printing. The designs to be metallized are first printed with UV-Ink. The metallization is then transferred to the substrate and hardened with LED UV. The carrier foil is removed after the transfer procedure. The attractive and high-gloss flat

metallized digital finishing results guarantee further processing.

As a stand-alone system it ensures digital foil enhancement in one step. The built-in module upgrades digital printing machines with a finishing process and the module equips flexo printing with an add-on for enhancing labels in one step. It can be used for personalization, individualization or late stage customization needs, for small runs as well as various label or packaging with metal effects.

**Technical Committee's  
opinion:**

With three different versions the DM-Liner enables integration, flexibility and variability for premium customizations with real metal in digital printing. And it offers a dedicated digital foil finishing solution for almost every requirement of printing industry.

› [www.kurz-graphics.com](http://www.kurz-graphics.com)



# SIZE NOT ALWAYS MEANS SUCCESS.



**FLEXIBILITY AND SPEED** often are the real success factors. And the production equipment considerably contributes on it. For this the EDP Awards are a reliable advisor. If Europe's 21 leading trade magazines on digital production, united in the European Digital Press Association, yearly honour the best technological developments with the popular **EDP Awards**, these are selected according to criteria like achievement, quality and costs. Thus the EDP Awards offer orientation and give a neutral recommendation for purchase decisions.



[www.edp-awards.org](http://www.edp-awards.org)

## ENTRIES

**CONSUMABLES & SPECIALS**

## INKS, TONERS, SUBSTRATES

The following descriptions are based on the statements of the EDP Awards competitors, they are slightly edited for this publication and are not the opinion of the EDP Technical Committee. Recommended products for the next year's content are not described on this page.

**UV INK**

Kao Chimigraf

**ChimiJet CRB**

UV low migration ink for single pass applications.

**LOW-MIGRATION INK / TONER**

Kao Chimigraf

**ChimiJet CRB**

UV low migration ink for single pass applications.

**SPECIAL EFFECT INK / TONER**

HP Inc.

**HP Indigo Silver Ink**

HP Indigo Silver ElectroInk is a metallic ink, close in appearance to Pantone 877. Using the Silver ElectroInk with layers of other colors on top of it enables to print a wide range of metallic colors, combining metallic effects with digital capabilities in one printing process. HP Indigo Silver ElectroInk can be used in variety of applications, such as labels, shrink sleeves, etc.

**SPECIAL APPLICATION AND EFFECT SUBSTRATE**

ArjoWiggins

**Powercoat Alive**

PowerCoat Alive is an offer of creative papers with embedded NFC technology for graphic printing available in both sheets and stickers. A sheet of PowerCoat Alive comprises 3 layers of paper: two layers of a conventional creative paper; between which a layer of PowerCoat paper with pre-printed RFID circuitry and a silicon chip are inserted. The 3 sheets are then laminated to create a sheet of "connected" PowerCoat Alive. The result is an NFC-ready paper that can be programmed to trigger a multitude of functions on any NFC-enabled device.

**DISPLAY HARDWARE**

ABS Group srl

**Absolutely**

Absolutely is a complete set-up system, based on the aluminium and fabric enhanced by the position of a wire range of accessories and multimedia supports. Absolutely elements can house dynamic back lighting, noise reduction, sound diffusion and single module handling systems.

**3D ADDITIVE PRINTING**

Mimaki Europe B.V.

**Mimaki 3DUJ-553**

The 3DUJ-553 marks Mimaki's first foray into the 3D printing market. Taking advantage of Mimaki's experience in digital printing, the printer's unique proposition for the 3D market lies in the number of colours it can produce and its colour accuracy. It is in fact the world's first 3D printer with over 10 million colours. Other features include high quality print of up to 20 microns and watersoluble support material, which enable the users to create intricate designs with fine details. The Mimaki 3DUJ-553 was warmly received at the Formnext show by the 3D community and has been featured in various 3D news outlets, including the leading 3Dprintingindustry.com.

# RESULTS

## CONSUMABLES & SPECIALS

### INKS, TONERS, SUBSTRATES

Category	Product (*EDP member submission) in alphabetical order		Judging results
<b>CONSUMABLES</b>			
UV ink			<b>No Award in 2018</b>
	Kao Chimigraf	ChimiJet CRB	Finalist
Low-migration ink / toner			<b>No Award in 2018</b>
	Kao Chimigraf	ChimiJet CRB	Finalist
Special effect ink / toner			<b>EDP Award 2018</b>
	HP Indigo	HP Indigo Silver Ink	<b>Winner</b>
Special application effect substrates			<b>No Award in 2018</b>
	ArjoWiggins	Powercoat Alive NFC paper*	Nominee, next year
<b>ACCOMPANYING TECHNOLOGIES</b>			
Display Hardware			<b>No Award in 2018</b>
	ABS	Absolutely	Finalist
3D additive printing (full color)			<b>EDP Award 2018</b>
	Mimaki	3DUJ-553	<b>Winner</b>

## NOMINEES AND WINNERS

# CONSUMABLES & SPECIALS

### INKS, TONERS AND SUBSTRATES

Out of the entries and member submissions the **EDP TECHNICAL COMMITTEE** has nominated products for an EDP Award and suggested the finalists. Middle of April 2018 the EDP members voted and made the final decision which product is being honoured with an **EDP AWARD**. Congratulations!



This year no accolades are given in the following categories:

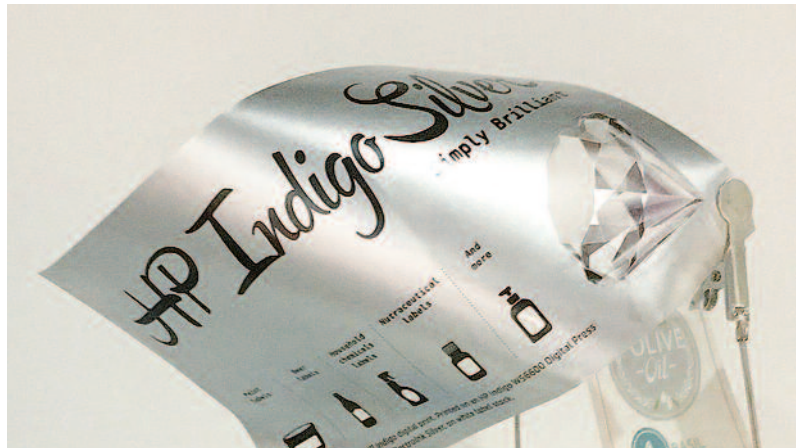
- UV inks
- Low migration inks
- Special application effect substrates
- Display hardware

## SPECIAL EFFECT INK



## NOMINATED

HP Inc.  
HP Indigo Silver Ink



**THE WINNER**  
**HP Indigo Silver Ink**

It's a metallic ink, close in appearance to Pantone 877. Using the Silver ElectroInk with layers of other colors on top of it enables to print a wide range of metallic colors, combining metallic effects with digital capabilities in one printing process. Silver ElectroInk can be used in variety of applications, such as labels, shrink sleeves, etc.

Until now, silver metallic print, which is used for the production of more than 2 billion square meters of prime labels, has mostly been printed using conventional print processes. The introduction of HP Indigo ElectroInk Silver enables the printing of high-quality silver ink on digital print applications. It opens up opportunities for more jobs, and offers converters a cost-effective, high-quality solution for these needs.

**Technical Committee's opinion:**

The addition of silver extends the run of new inks that HP Indigo has introduced following the launch of a neon pink at drupa 2016. It was announced much earlier but HP Indigo worked on further improvements of the color.

› [www.hp.com](http://www.hp.com)

## 3D ADDITIVE PRINTING FULL COLOR



### NOMINATED

Mimaki Europe B.V.  
Mimaki 3DUJ-553



### THE WINNER Mimaki 3DUJ-553

The 3DUJ-553 marks Mimaki's first step into the 3D printing market. Taking advantage of the experience in digital printing, the printer's proposition for the 3D market lies in the number of colours it can produce and its colour accuracy. It is in fact the first 3D printer with over 10 million colours.

Other features include high quality print of up to 20 microns and water-soluble support material, which enable the users to create designs with fine details.

### Technical Committee's opinion:

Possibly this printer marks the separation of additive printing for industrial uses and 3D-printing for promotional applications which are close to the digital printing.

However, it will still concentrate on special applications which do not touch the area of the graphic arts industry.

[www.mimakieurope.com](http://www.mimakieurope.com)



# IT'S THE LITTLE THINGS IN LIFE THAT MAKE THE BIGGEST DIFFERENCES.



**HOW TO DIFFERENTIATE** from the competition? By higher quality, speed, low production costs or services? To make business fit for the future, you have to pull all the stops. For this the EDP Awards are a reliable advisor. If Europe's 21 leading trade magazines on digital production, united in the European Digital Press Association, yearly honour the best technological developments with the popular **EDP Awards**, these are selected according to criteria like achievement, quality and costs. Thus the EDP Awards offer orientation and give a neutral recommendation for purchase decisions.



[www.edp-awards.org](http://www.edp-awards.org)



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Germany	Germany	Greece
		
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Norway	Poland	Russia
		
Spain	Sweden	Switzerland/Liechtenstein
		
Turkey	UK/Ireland	Ukraine
		

# EDP AWARDS 2018

# **CONGRATULATIONS**

## AND THANK YOU

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



### IMPRINT

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#### **Design**

arcus design & verlag oHG  
www.arcusdesigns.de

# CONGRATULATIONS

**SOFTWARE/HARDWARE** Best layout, design and editing software: **Chili | Chili publisher UGE** • Best color management: **Onyx Graphics | Onyx 18** • Best workflow technology: **Tilia Labs | Griffin Pro app** • Best special application software: **CloudLab | printQ 3D packaging Design** • Best measurement: **AVT | Jet-IQ** • Best curing system: **ebeam | Compact** • **LARGE/WIDE FORMAT PRINTING** Best roll-to-roll printer up to 170 cm: **Mimaki | UCJV300-160** • Best flatbed/hybrid printer up to 250 m<sup>2</sup>/h: **swissQprint | Nyala LED** • Best flatbed/hybrid printer > 250 m<sup>2</sup>/h: **Durst | P5 250 HS** • Best textile printer roll-to-roll > 100 m<sup>2</sup>/h: **Agfa Graphics | Avinci DX3200** • Best textile printer on transfer paper: **Aleph | LaForte Optima Paper 340** • Best direct to garment printer: **Brother | GTX** • **COMMERCIAL PRINTING** Best cut-sheet printer monochrome up to B3: **Canon | Océ VarioPrint 6000 Titan** • Best cutsheet printer color up to B3 > 200.000 A4/month: **Ricoh | Pro C7200X series** • Best color printer up to B3 > 500.000 A4/month: **Kodak | Nexfinity Digital Press** • Best label printer web: **Screen | Truepress Jet L350UV+LM** • **PRINT & FINISHING SOLUTIONS** Best label printing solution: **ebeam, Uteco, INX | GAIA** • Best corrugated solution: **EFI | Nozomi C18000** • Best wallpaper solution: **Veiko | Dimensor** • Best textile solution: **Konica Minolta | Nassenger SP-1** • **FINISHING & ENHANCEMENT** Best digital sheetfed cutting solution: **Highcon | Euclid IIIC** • Best digital wide format cutting solution: **eurolaser | XL-3200** • Best finishing support tool: **Zünd | Over cutter camera OCC** • Best book on demand post-press solution: **Tecnaue | Libra 800** • Best webfed finishing solution: **HP Indigo | GEM** • Best enhancement solution: **Leonard Kurz | DM-Liner UV-ink** • **CONSUMABLES** Best special effect ink: **HP Indigo | Silver ink** • **ACCOMPANYING TECHNOLOGIES** Best 3D additive full color printer: **Mimaki | 3DUJ-553**

