RESULTS
PRINTING SYSTEMS
COMMERCIAL PRINTING

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

* EDP member submission.

(•) New or changed category.

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

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

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

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

CUTSHEET PRINTER COLOR A4 TO B3

FINALIST

Xerox | PrimeLink C9070

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

THE WINNER
Xerox | PrimeLink C9070

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

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

Technical Committee's opinion:

The only one light production press with capability

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

› www.xerox.com

CUTSHEET PRINTER COLOR UP TO SRA3
< 499.000 A4/MONTH

FINALISTS

Ricoh | Pro C5300s

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

THE WINNER

Ricoh | Pro C5300s

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

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

Technical Committee's opinion:

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

› www.ricoh.com

CUTSHEET PRINTER COLOR UP TO SRA3
> 500.000 A4/MONTH

FINALIST

Kyocera | TASKalfa Pro 15000c

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

THE WINNER

Kyocera | TASKalfa Pro 15000c

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

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

Technical Committee's opinion:

The Taskalfa Pro 15000c distinguishes itself in the market for sheet printing by its own design for the printing engine and therefore achieves a breakthrough in the price performance ratio for fast inkjet printers. With a max speed of 150 sheets per min in full colour and substrates ranging from 56-360 g/m² makes this a very versatile fast printer. The resolution of 600x600dpi allows for fine lines and sharp prints.

› www.kyoceradocument
 solutions.com

CUTSHEET PRINTER COLOR B3 (+)

FINALISTS

**Canon | varioPrint
iX-series**

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

THE WINNER
**Canon | varioPrint
iX-series**

The Canon varioPrint iX-series is a highly productive inkjet sheetfed press which can revolutionize the commercial printing business. Thanks to its image quality and wide media range, commercial printers can say »Yes« to virtually any job, then print it with the productivity and cost-efficiency of inkjet for more profit and more business. Experience highest productivity, throughput and uptime, more than 9.000 SRA3 images per hour or 320 A4 ipm, over 90% average uptime Experience outstanding image quality and consistency, innovative printheads and image processing, high-end nozzle technologies experience high application versatility, wide media range – up to 350 gsm on offset coated and uncoated paper Experience promising cost efficiency, savings in labour and processing costs and attractive running costs.

Technical Committee's opinion:

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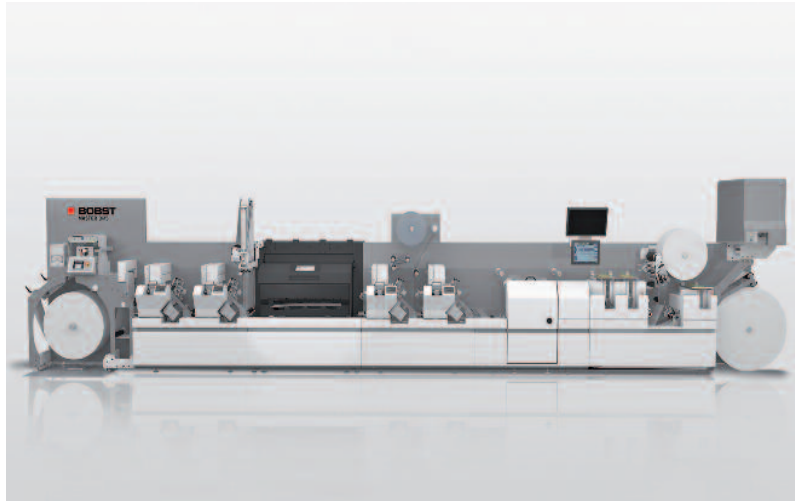
› www.canon.com

LABEL AND FLEXIBLE PACKAGING PRINTER

FINALIST

Bobst | Master DMS

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

It was also the only submission in this category.

THE WINNER
Bobst | Master DMS

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

High print quality at up to 100 m/min. guarantees a fast time-to-market for label applications. The Master DM5 can process almost any kind of substrate and delivers high quality results thanks to the precision of flexo and the versatility of digital. This hybrid press is extremely compact, and has a low impact on a production area.

Technical Committee's opinion:

The Master DM5 combines extreme flexibility for high added value labels, with extremely short job setup. Press uses Mouvent-developed digital ink-jet module with 1200x1200 dpi resolution and DigitalFlexo technology from Bobst. It suitable for a wide range of applications: PSA labels, multi-layer coupon labels, wet-glue labels, wrap around labels, in-mold labels, shrink sleeves, flexible packaging, specialty applications.

› www.bobst.com

**WINNERS
OF THE
EDP AWARDS 2020**

FINALISTS AND WINNERS
INDUSTRIAL SOLUTIONS
PRINT & FINISHING

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

ENTRIES
INDUSTRIAL SOLUTIONS
PRINT & FINISHING

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

PRINT & FINISHING SOLUTION

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

LABEL PRINTING SOLUTION

Bobst | Master DMS
See »Combined label and flexible packaging printers«

Memjet | DuraFlex
See »Print engines and print heads«

Zünd | ZCC Workflow Solution – Label
See Software/Hardware

TRANSACTIONAL PRINTING, MAILING SYSTEM

Memjet | DuraFlex
See »Print engines and print heads«

FOLDING CARTON SOLUTION

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

Memjet | DuraFlex
See »Label printing solution«

CORRUGATED SOLUTION

Highcon | Beam 2c
The Highcon Beam 2C digital cutting and creasing solution answers the stringent market requirements for corrugated packaging; non-crush process, customizable to enable rightsizing and light-weighting of packaging; strong enough to allow product to be shipped in its own box; and at the same time providing a positive unboxing experience that supports brand owners. The Beam 2C will be available in two versions – a pallet feed standard configuration and a field upgradable nonstop feeding, stacking and waste removal configuration.

Memjet | DuraFlex
See »Print engines and print heads«

Zünd | Press Cutting Tool – PCT
See »print & finishing solution«

FLEXIBLE PACKAGING SOLUTION

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

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

Memjet | DuraFlex
See »Print engines and print heads«

WALL PAPER PRODUCTION

Fotoba | XLD170WP
Special version of the Fotoba XLD 170 Digital Print Cutter designed to make the most accurate vertical cut enabling a perfect butt-joint. Ideal for trimming multiple tiles of single images for side by side. It follows the image with an accuracy of 0,06 mm (0,002 in). The XLD 170 cutters can handle most flexible media up to a maximum thickness of 0,8 mm (32 ml) including polycarbonate, photo paper, vinyl, self-adhesive vinyl, PVC, film, duratrans, TDF, canvas, laminated or encapsulated prints and much more.

TEXTILE PRODUCTION

Memjet | DuraFlex
See »Print engines and print heads«

PRINT ENGINES AND PRINT HEADS

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

Memjet | DuraFlex
DuraFlex is Memjets economical and flexible technology that introduces a completely new four-color printhead in A4 and A3+ widths.
DuraFlex provides long-life printheads with durable pigment inks in a highly integrated, ready-to-print module – enabling fast and cost-efficient development of print solutions for a range of applications and markets.

RESULTS
INDUSTRIAL SOLUTIONS
PRINT & FINISHING

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

INDUSTRIAL SOLUTIONS
PRINT & FINISHING

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

* EDP member submission.

(•) New or changed category.

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

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

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

CORRUGATED SOLUTION

FINALISTS

Highcon | Beam 2c

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

THE WINNER
Highcon | Beam 2c

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

Technical Committee's opinion:

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

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

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

› www.highcon.net

WALL PAPER PRODUCTION

AWARD 2020

FINALIST

Fotoba | XLD 170 WP

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

THE WINNER
Fotoba | XLD 170 WP

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

Technical Committee's opinion:

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

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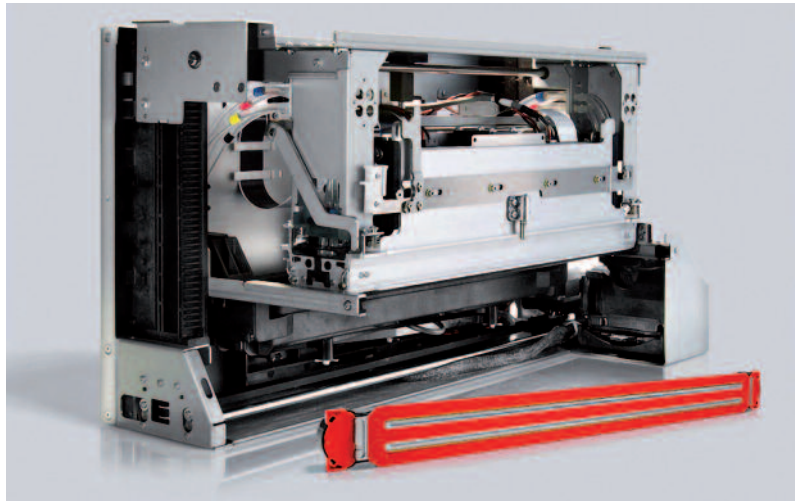
› www.fotoba.com

PRINT ENGINES & PRINT HEADS

FINALIST

Memjet | DuraFlex

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

THE WINNER
Memjet | DuraFlex

DuraFlex is Memjets economical and flexible technology that introduces a completely new four-color printhead in A4 and A3+ widths.
DuraFlex provides long-life printheads with durable pigment inks in a highly integrated, ready-to-print module – enabling fast and cost-efficient development of print solutions for a range of applications and markets.

Technical Committee's opinion:

Memjet offers with Dura-Flex a complete new pigment /water based print system for inkjet printing. It provides multi-colour A4 and A3+ printhead options and a modular set of compact components. The way Memjet brings it to the market, offering OEMS all the components they needed to build their own printer module is also unique. It enables OEMs to build desktop, light production and cost-sensitive wide format solutions that enable fast, full-bleed colour printing with durability and image quality. All in all a innovation in the way OEM products are being introduced and used.

› www.memjet.com

**WINNERS
OF THE
EDP AWARDS 2020**

FINALISTS AND WINNERS
FINISHING & ENHANCEMENT

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ENTRIES
FINISHING AND ENHANCEMENT

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

DIGITAL WIDE FORMAT CUTTING SOLUTION

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

Summa | L3214
Commercial, apparel and industrial textiles are some of the fastest growing markets in the global economy, where on-demand and fast delivery becomes increasingly important. The market needs solutions to quickly respond to customer demands for large format and printed textiles without compromise on cut quality. Summa meets these demands with the L3214 laser cutter. Boosting efficiency and processing times, increasing production speeds, and excelling as a complete solution for wide-format soft signage applications.

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

FINISHING SUPPORT TOOL

Elitron | Heleva + Reversa + Kombo TAV
See »Digital wide format cutting solution«

BOOK-ON-DEMAND POSTPRESS SOLUTION

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

ENTRIES

WIDE FORMAT FINISHING SOLUTION OFFLINE

Elitron | Heleva + Reversa + Kombo TAV

See »Digital wide format cutting solution«

CUTSHEET FINISHING SOLUTION OFFLINE

Tecnau | Stack 1212

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

WEBFED FINISHING SOLUTION

Tecnau | Stack 5251

Featuring the double-cutting Cutter c52, Tecnaus Stack 5251 reliably operates as fast as 590 f/pm -180 m/pm as enabled by the emerging generation of high-speed inkjet printers. Cutting and stacking high-resolution print at these speeds requires a stable web of paper with minimal touchpoints. The Stack 5251 never lets go of the web, keeping control for reliable production. The Stacker s51 module produces 1-up, 2-up, 2-up merged or 3-up stacks, utilizing a transport technology which matches well to transactional and simple book applications.

ENHANCEMENT

Bobst | Master DMS

See »Combines label and flexible packaging printers«

Klieverik | GTC 111-5400

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

Kornit | NeoPigment Robusto Softener

See »Coatings and varnish«

Veika | Dimensor SG

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

RESULTS
FINISHING & ENHANCEMENT

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

* EDP member submission.

(•) New or changed category.

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

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

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

DIGITAL WIDE FORMAT CUTTING SOLUTION

FINALIST

Elitron | Heleva + Reversa + Kombo TAV

Summa | L3214

Trotec | SP4000

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

THE WINNER
Summa | L3214

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

Technical Committee's opinion:

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

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

› www.summa.com

WEBFED FINISHING SOLUTION

FINALIST

Tecnau | Stack 5251

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

THE WINNER
Tecnau | Stack 5251

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

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

Technical Committee's opinion:

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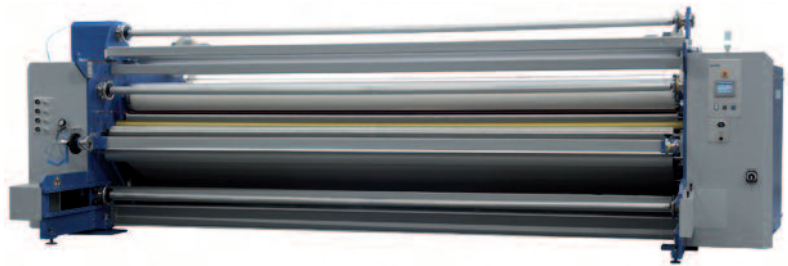
› www.tecnau.com

ENHANCEMENT

FINALIST

Bobst | Master DMS

Klieverik | GTC 111-5400

Kornit | NeoPigment Robusto Softener

Veika | Dimensor SG

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

THE WINNER
Klieverik | GTC 111-5400

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

Technical Committee's opinion:

The 5mt wide textile heat press / calander for the soft-sign industry is just one of these products. The GTC can be used for lamination, textile bonding and sublimation transfer. The GTC is extremely temperature accurate across the whole drum due to the unique temperature control system that is fully PLC driven. The temperature stability is possible because of way Klieverik fills the drum with oil and uses an internal extra core where the heating rods are located. This is a Klieverik technology not used by any other calander manufacturer. One of the most innovative features of this product is the media feeding system that gives easy feed of 5 meter textiles and sublimation paper even in low grammage. The small footprint and elegant design does not take away anything industrial of this calander.

› www.klieverik.com

**WINNERS
OF THE
EDP AWARDS 2020**

FINALISTS AND WINNERS
CONSUMABLES

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ENTRIES
CONSUMABLES
INKS, TONERS, SUBSTRATES

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WATERBASED INK

Memjet | DuraFlex
See »Print engines and print heads«

ENVIRONMENTAL INK/TONER

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

COATINGS AND VARNISH

Kornit | NeoPigment Robusto Softener
The new Softener solution is a product of the brand's continuous innovation strategy, making Kornit technology the fashion world's solution for on-demand proximity production. By streamlining the end-to-end process, these systems eliminate the need to predict demand and manage inventory, while supporting global sustainability imperatives. Offering vibrant colours, intricate design capabilities, and a fabric touch that is second to none, Kornit's pigment-based digital print solutions require minimal space and labour relative to competitive offerings.competitive offerings.

SUBSTRATES

Neenah Coldenhove | Texcol
Texcol is a digital pigment transfer paper. Its special properties make it highly resistant to crocking and helps to retain its colour fastness when exposed to light. Excellent for use on textiles in the home furnishing segment, Texcol is especially recommended for applications on sturdier textiles.
Think about curtains, decorative pillows and beddings – which require a high degree of durability that used to be difficult to achieve with the sublimation transfer technology. Additionally, Texcol's multifunctional coating ensures you ink savings of up to 25%. You get a high colour brilliance that you don't see every day in a finished printing product. Texcol is designed to run on your plotter printers and allows easy transfer with your standard technologies. That means further cost savings for you, as you can use these techniques without making large investments.

Felix Schoeller | S-Race Tacky 100
Digital dye sublimation printing is not only growing rapidly, but this efficient production technology has become almost indispensable for many industries. Especially in textiles, makers of fashion and sportswear as well as home décor are looking for increased speed and improved quality to meet the challenging demands of digitally printed garments. Suppliers in the fields of photo gifts, merchandise and personalized items, especially with rigid substrates, demand pin-sharp and brilliant image quality.
S-Race dye sublimation paper is impressively fast, efficient and precise in every detail. It is the ultimate choice for printing houses of any size that consistently want to deliver outstanding quality. S-Race, with its ground-breaking and future-proof technology, will help printers to impress their clients with amazing results, enabling stable production and consistent quality.

RESULTS
CONSUMABLES
INKS, TONERS, SUBSTRATES

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

* EDP member submission.

(•) New or changed category.

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

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

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

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

ENVIRONMENTAL INK/TONER

FINALISTS

Kodak | NexPress Antimicrobial Clear Dry Ink

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

THE WINNER

Kodak | NexPress Antimicrobial Clear Dry Ink

Kodak's Dry Ink is an antibacterial and antifungal powder for commercial use, designed to be applied in various ways when printed on a Kodak Nexfinity or NexPress Digital Press. The product contains an antimicrobial agent that inhibits microbial growth to prevent unsightly discoloration, unpleasant odors, and polymer degradation issues. Color stability: compound is transparent and can be incorporated into products without affecting color; especially important for a clear dry ink overcoat. Data indicates efficacy against bacteria, fungi, mold, and viruses with no indication of ability to build resistance.

Technical Committee's opinion:

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

› www.kodak.com

COATINGS AND VARNISH

FINALIST

Kornit | NeoPigment Robusto Softener

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

THE WINNER

Kornit | NeoPigment Robusto Softener

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

Technical Committee's opinion:

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

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

› www.kornit.com

SUBSTRATES

FINALISTS

Felix Schoeller | S-Race Tacky 100

Neenah Coldenhove | Texcol

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

THE WINNER
Neenah Coldenhove | Texcol

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

Technical Committee's opinion:

The transfer technology in sublimation is a well-known technology, the heat transfer of pigment ink is new. Neenah Coldenhove developed this digital transfer paper to allow users to print on a wide range of natural fibre textiles, like cotton, using a waterless process. Texcol digital transfer paper eliminates pre- or post-treatments of textiles, and reduces the user's cost. It guarantees a wider colour gamut with more brilliant colours in comparison to digital direct pigment printing. The light fastness of the printed products is outstanding The paper's special coating allows users to generate ink savings of up to 25% on their current jobs.

› www.coldenhove.com

CALL FOR SUBMISSIONS

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

Keep it in mind!

EDP AWARDS 2021

WWW.EDP-AWARD.COM