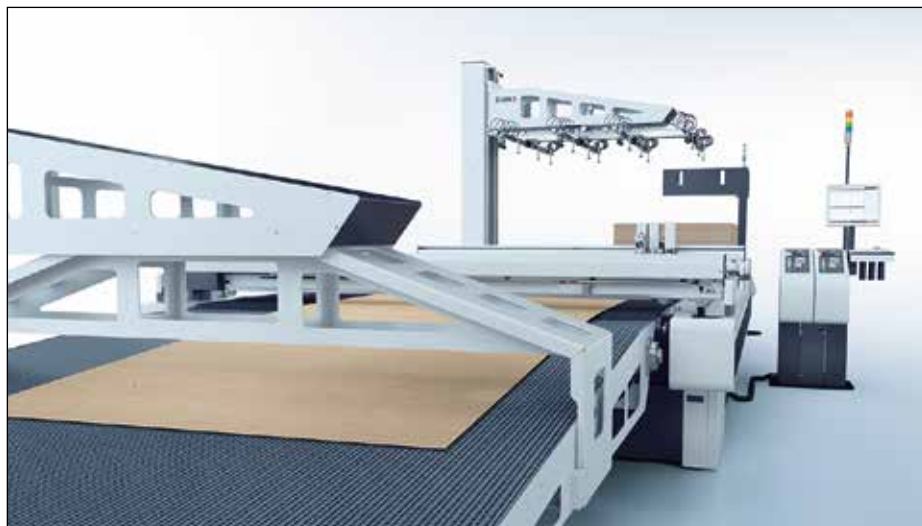


Digital cutting at industrial level

Zünd at Fachpack 2019

At this years Zünd booth, everything revolves around efficient automated cutting of a wide variety of packaging materials - from solid and corrugated cardboard to protective foam. Among other solutions, a fully automated material-handling system demonstrates what maximum process reliability in digital cutting looks like in a real life.

With its versatile automation options, Zünd offers numerous possibilities for sustained increases in profitability. The palette ranges from automatic tool changers and collaborative robotics to fully integrated production lines with completely automated material handling. At Fachpack in Nuremberg (Hall 8, Booth 518), Zünd presents the recently developed BHS150 loading/unloading system for use in industrial production environments.



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With a stack height of up to 1.5 m, this automation solution offers significantly longer uninterrupted operation, which translates into highly efficient, economical production of long runs. To demonstrate uninterrupted cutting without automatic material-handling, Zünd is exhibiting a G3 cutter configured for processing corrugated cardboard and packaging foam in tandem operation. With this setup, material loading and unloading occur while the machine continues producing without interruption. The cutting system is also equipped with an automatic tool changer ARC, which can accommodate up to eight different bits. This option helps the operator keep track of his tools at all times, minimizes the time required for retooling, and thus makes for even more efficient use of the cutting/routing system.

Aleksandar Lazic, Segment Manager Packaging, explains: «Packaging manufacturers have to produce under constant time and mar-

gin pressures. Our modular cutting and material-handling solutions address their individual automation needs and make digital finishing even more efficient and profitable». Collaborative robot technology is an example of this. Zünd uses a robotic arm from Universal Robots to demonstrate a configuration suitable for industrial applications. The robot picks finished parts off a Zünd S3 cutting system and places them at predefined locations.

Smart production planning, control, and monitoring are critical for efficient manufacturing. The Zünd Cut Center ZCC user interface and workflow software provides the user with a comprehensive virtual control center for end-to-end digital finishing. With new features such as even faster registration methods and a well laid-out dashboard that continually displays performance data of the cutting systems in operation, the latest version of ZCC, Version 3, is now even more flexible and user friendly.

INDEX

Zünd at Fachpack 2019	...1
Mimaki endorses sustainable choices at Labelexpo Europe 2019	...2
Mark Andy introduces new Digital Pro Product Line	...2
HP hands UK debut to new Stitch S series at The Print Show 2019	...3

Mimaki endorses sustainable choices at Labelexpo Europe 2019

Under the theme Reimagine the Future of Labelling and Packaging, Mimaki Europe will focus on greater sustainability at Labelexpo Europe 2019. The leading manufacturer of inkjet printers and cutting systems will demonstrate how businesses can use Mimaki's wide range of solutions to make more sustainable choices when designing and manufacturing labels and packaging.

Mimaki will exhibit a show-stopping array of applications from die-cut labels, metallic stickers and rigid decals, to folding cartons, corrugated boxes and 360-degree-printed packaging, on stand A40, Hall 8.0. All samples on the Mimaki stand at Labelexpo will be produced with improved sustainability in mind, according to Marketing Manager, Mimaki EMEA, Danna Drion, who enthuses: „We look forward to demonstrating how brands can realise creative ideas whilst at the same time, make smarter, more sustainable choices with Mimaki technology. Digital is an obvious solution for producing labels and packaging on-demand and eliminating waste caused by lengthy start-ups and job changeovers as well as over-stocking. In addition, Mimaki has a market-leading range of compatible substrates so brands can always make sustainable choices for their products.“

A technology highlight on the Mimaki stand will be the UJF-7151plus direct-to-object UV flatbed printer. Printing short-run packaging applications live at Labelexpo Europe 2019, visitors will see the flawless print quality achievable for rigid decals, packaging mock-ups and stickers. Using Mimaki LH-100 and LUS-120 inks, which are GREENGUARD Gold certified, the printing inks have met some of the world's most rigorous and comprehensive standards for low emissions of volatile organic compounds (VOCs) into indoor air, and is acceptable for use in environments such as schools and healthcare facilities. Using longer-

life UV LEDs, the printer consumes less energy than those using conventional UV lamps.

Compatible with the UJF-7151plus, Mimaki's MUH-100-Si UV-curable metallic ink will also feature at the show. Launched this year, this ink can be printed directly onto products such as reusable glass bottles without requiring any further manual processing or handling, enabling users to produce elegant and sophisticated applications with minimal labour.

A further highlight will be Mimaki's UCJV300-75 UV integrated printer/cutter. The award-winning solution can produce unique five-layer printing to create distinct designs, simultaneously, on each side of a substrate. This makes it ideal for applications using transparent film, such as labels and flexible packaging, creating new, value-adding application possibilities for users. All UCJV Series inks are also GREENGUARD Gold certified.

Mimaki will also exhibit two further systems at the show, both of which are ideally suited to customers within the labelling and packaging markets:

Mimaki CJV150-75: Featuring a state-of-the-art cut-and-print function, this high-quality inkjet printer/cutter eliminates problems faced when printing onto substrates before cutting, such as film separation and faulty cut results, and is ideal for sticker and label production. With a maximum print/cut width of 800mm, the system also offers vibrant inks, including silver, orange and light black for maximum product impact. Mimaki CFL-605RT: A compact flatbed cutting plotter with a maximum cutting area of 610 x 510mm. The system has a range of cutting and creasing tools, including an eccentric cutter for coated packaging board, a pen tool for line drawings and a creasing roller for folding lines. This makes it ideal for numerous packaging applications, including packaging samples and prototypes, cartons, packaging inlays and more.

„We're at an important juncture in the label and packaging industries.

While markets are thriving and investment is rife, it's also the right time to take a step back and look at the environmental impact. There are many positive choices we can make together as an industry,“ Drion adds.

Mark Andy introduces new Digital Pro Product Line

Mark Andy is excited to announce the launch of Digital Pro, the latest development to its digital product offerings. The new product line comes to market with 77 fpm (23.4 mpm) production speed for all applications and low cost to print, allowing businesses priced out of production systems the opportunity to benefit from digital.

Available for immediate order, the CMYK dry toner Digital Pro line includes a roll-to-roll press, Digital Pro 1, and a configurable inline hybrid model, Digital Pro 3. The systems are priced starting at \$199,000 USD and \$295,000 USD, respectively and will be initially showcased at regional events throughout North America starting August 2019. The product will make its European debut at Labelexpo Europe this September in Brussels.

Digital Pro 1 is a roll-to-roll machine, fitted with an unwind, state of the art print engine and rewind, providing 12.5-inch digital print width. The introductory Digital Pro system is important for plants with established converting and finishing workflows, simplifying digital print for operators to a click of the button. As business and workflows evolve, the modular nature of Digital Pro 1 provides an upgrade path with scalable inline printing and converting options.

Digital Pro 1 is joined by the advanced inline hybrid model: Digital Pro 3. This system includes a multi-purpose flexo station for inline embellishment and is fueled by a robust DFE that supports variable data printing and versioning needed in the short- and micro-run market segment.

Digital Pro 3 can be configured with a single slot die station or with a semi rotary die module to finish labels inline. The semi-rotary system

reduces die inventory and comes with a standard 19-inch magnetic cylinder to accommodate most repeats without tool changeover.

Digital Pro system is fueled by a high-yield toner and supports a wide range of substrates and applications with no priming or coating required. Additional media capabilities supported by the product line include vinyl, PVC, foil.

Joe Calmese, Chief Business Officer, Mark Andy Digital provides „Printing digital at high speeds with inline converting is at the top of many converter’s wishlists. Same with roll-to-roll devices. We’ve been listening. The end result is the Digital Pro line with configurable hybrid print systems that provide a powerful path to profitability, both now and in the future as we continue to push the envelope in digital innovation“

Digital One press owners are eligible for a field upgrade of the new Digital Pro engine into their existing machine to optimize production and help increase margins with a substantially lower cost to print structure. The Digital Pro engine upgrade provides a 70% increase in speed and a 30% lower cost to print over the previous generation Digital One press. Current Digital One customers will continue to receive the high level of support and service they have come to expect from Mark Andy.

The development of the Digital Pro product family enables more tailored configurations, allowing press technology to provide the best fit for specific converter plants. It also aligns closely with Mark Andy’s equipment strategy of offering modular, upgradable solutions to future-proof converter investments.

HP hands UK debut to new Stitch S series at The Print Show 2019

Digital print giant HP has confirmed that it will use The Print Show 2019 to demonstrate its new Stitch S series digital textile printing technology in the UK for the first time. HP is exhibiting at The Print Show for the third consecutive year, and is inviting visitors from all background to drop by its stand and find out

about HP kit can help them access work in profitable sectors.

The Stitch S series, which was only unveiled to the market in April this year, will be the main attraction on the HP stand, as the manufacturer seeks to spread the word about its digital textile print capabilities.

The range comprises the HP Stitch S300 and HP Stitch S500 64" models, as well as the larger HP Stitch S1000 126" option. Each printer couples HP’s Thermal Inkjet technology with industry-standard dyes for superior colour durability, and also features the first-ever built-in spectrophotometer to enable fast and exact colour matching.

Phil Oakley, regional business manager, large-format printing at HP, comments: „The HP Stitch S series is a portfolio of digital textile printers that deliver precise colour-matching, designed to boost growth via décor and apparel applications, as well as enabling on-demand production and personalisation.

„Stitch represents HP’s entry into the dye-sublimation textile market, delivering the world’s fastest colour match capabilities.“

Aside from the Stitch S series, HP will be showcasing its new HP DesignJet for the first time at a UK trade show, as well as its HP Latex technology, with a number of printer models to feature across the HP stand in Hall 9 of the NEC.

HP will theme its stand around ‘Yes Unlimited’, with the idea of showcasing how its broad and versatile portfolio enables customers to say ‘Yes’ to any request, regardless of the schedule or applications. This follows on from last year when HP named its stand ‘Yesville’, encouraging visitors to seek out new markets.

„Visitors will have access to a VIP tour of the stand to discover new soft signage, apparel, décor and large-format capabilities for engineering, public sector and enterprise markets,“ Oakley says.

In addition, as a special bonus feature for The Print Show, HP will be running its own gameshow on its stand in the ‘HP Large Format Wheel of Fortune’. More details of this will be revealed closer to the event in

September. HP will be in excellent company at The Print Show 2019, with a number of other major brands, manufacturers and suppliers having signed up to exhibit. In recent weeks, the likes of Sakurai, Grafityp, CP Bourg/Terry Cooper Services, NeoPost, Merlin Transfers, Boxford, X-Press OnDemand, Automatic Letter Bender and Universal Adhesive Systems have all booked their stands for the event.

Sakurai, which specialises in both offset and screen print presses, will be taking full advantage of the show’s wide-reaching audience by displaying its MS-102 screen printing kit and LQM foiling solutions.

For years, Sakurai screen technology has been used to overprint spot UV varnish onto offset printed sheets - in B1 and B2 formats - and the manufacturer has now added luxe-quality foil to the mix to offer „breath-taking options“ for creativity with print embellishment.

Mark Priest, UK sales manager for Sakurai, says screen printing - an analogue process in what is now a digital world - has become extremely automated and precise, and visitors at The Print Show can learn more about the benefits of this technology.

Priest says: „Come and have a look at what an analogue process can produce. The detail, the contrast we can achieve, it’s so creative.

„We will showcase some simple effects that can be achieved printing live at The Print Show. We hope to inspire new clients to screen printing, by offering packages that include state of the art functionality, the pinnacle of screen printing equipment.“

MASTHEAD

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