KONICA MINOLTA

AccurioShine
3600

FEEL THE DIFFERENCE

RETHINK 3D EFFECTS WITH DIGITAL SPOT UV COATING

Giving Shape to Ideas

RETHINK THE CREATIVITY OF VARNISH

ADDED-VALUE FINISHING CAPABILITIES ARE A MUST FOR CUSTOMERS AND A BOOST FOR YOUR BUSINESS

In the printing industry, speed and cost are the two most important factors for the success of a business. Now, thanks to the AccurioShine 3600, you have a new ingenious tool to meet the demanding needs of today's printing requirements and take care of the business end of your company. As a standalone solution, the AccurioShine 3600 adds 2D and 3D gloss effects at a reasonable cost and without the complicated steps of conventional systems. Fully digital, featuring industry-leading automatic scanning technology and an eco-friendly LED dryer, all at an impressively compact size, the AccurioShine 3600 allows you to offer your customers a full range of high-impact finishing effects, while raising profit margins as well.

AccurioShine 3600

THE REASONS ARE CLEAR

Customisation and personalisation are increasingly in demand. Offering 2D or 3D effects can make print jobs more profitable. Research shows that many print customers are willing to pay a premium of up to 89% to add digital print enhancements.*1 Tactile sensation increases impulse purchases*2 while specialty packaging has a more than 46% higher quality perception.*3

*1 Infotrends, 2016
*2 Journal of Consumer Research, 2009
*3 The Foil & Specialty Effects Association, 2017

ADD SHINE TO YOUR BUSINESS

SAVE MONEY AND SPACE WHILE TAKING ADVANTAGE OF A HOST OF VALUE-ADDED OPTIONS TO OFFER YOUR CUSTOMERS

COMPACT SIZE, INFINITE POSSIBILITIES

In-house, full-production and prototype-finishing spot UV varnishing without the need for screens, plates or dies. The AccurioShine 3600 is fully equipped to allow you to provide a broader range of finishes at an impressively small footprint.

2D AND 3D GLOSS EFFECTS

Using a single varnish formula, the AccurioShine 3600 digitally produces a variety of effects on a wide range of substrate stocks and media. Create both 2D and 3D finishes on paper, plastics, synthetics and cartons from 135 to 450 gsm. Add coatings to printed materials including offset and digital inks, lamination films and aqueous coatings.

SCAN AND GO

Use the workstation touchscreen to manage jobs with the intuitive software suite and Artificial Intelligence SmartScanner®. The intelligent and flexible automatic registration system allows you to easily create print files with perfect front-to-back registration on every sheet with minimal waste.

GENTLE ON THE ENVIRONMENT

The AccurioShine 3600 features a closed-circuit system, leaves no ink or varnish residue, and is designed to prevent any cleaning or material waste between jobs, helping you to reduce paper, varnish and electrical consumption.

ADD IMPACT TO EVERY PRINT JOB

Shorter lead times and a simple job setup make it easy to add highly profitable special effects to any print job. Optional additions including the Corona Treatment System (CTS) and Automatic PDF File Converter open the door to even more possibilities.

YOUR ADVANTAGES WITH THE AccurioShine 3600

RETHINK DIGITAL SPOT UV COATING

Producing high-quality print jobs is one thing – but how do you address the needs of discerning customers who look for added value and sophistication? With the AccurioShine 3600, you create spectacular and irresistible print products that will immediately catch everyone's attention. Go for the AccurioShine 3600 if you want to offer your customers spot-coating of digital and offset prints, highlighting of individually defined areas, and adding 3D effects – in other words, vivid and tactile print products that just cannot be passed by.

ECO-FRIENDLY IN-LINE LED DRYER

- On-the-fly drying & curing with integrated LEDs
- No additional drying time required
- Ozone-free and without heat thanks to LED technology
- Low power consumption

DIGITAL ADVANTAGES

- Ideal for lucrative short and medium print runs
- Fast make-ready
- No plates or screens needed
- Only requires a digital mask
- Wide range of substrates possible

VARNISH DIGITAL AND OFFSET PRINTS

- Varnishing on toner without lamination
- Varnishing on offset prints
- Accurate sheet-to-sheet registration with the AIS SmartSanner technology
- Fast and easy setup ideal for digital printing business model

VARIABLE VARNISH THICKNESS

- Can be adapted to individual customer needs
- Maximum 3D effect: up to 116 µm
- Minimum thickness (on laminated surfaces): from 21 µm

KONICA MINOLTA INKJET TECHNOLOGY

- Exclusive Konica Minolta inkjet technology
- With genuine Konica Minolta piezoelectric printheads
- Produce any line thickness from 0.5 mm to as wide as the sheet

SOFTWARE SUITE INCLUDED

- On-the-fly job manager
- Reprint function
- Image editor
- Catalogue of different patterns
- Cost calculation and export of data
- For intuitive operation
- Saves time and money

AIS SCANNER

- Full page scanner
- For on-the-fly coating registration from sheet to sheet
- For on-the-fly paper skew, shift, contraction and stretch adjustment

VARIABLE DATA OPTION

- Barcode reader option available
- For Variable Data Printing

HIGH PRODUCTIVITY WITH SINGLE PASS PRINTING

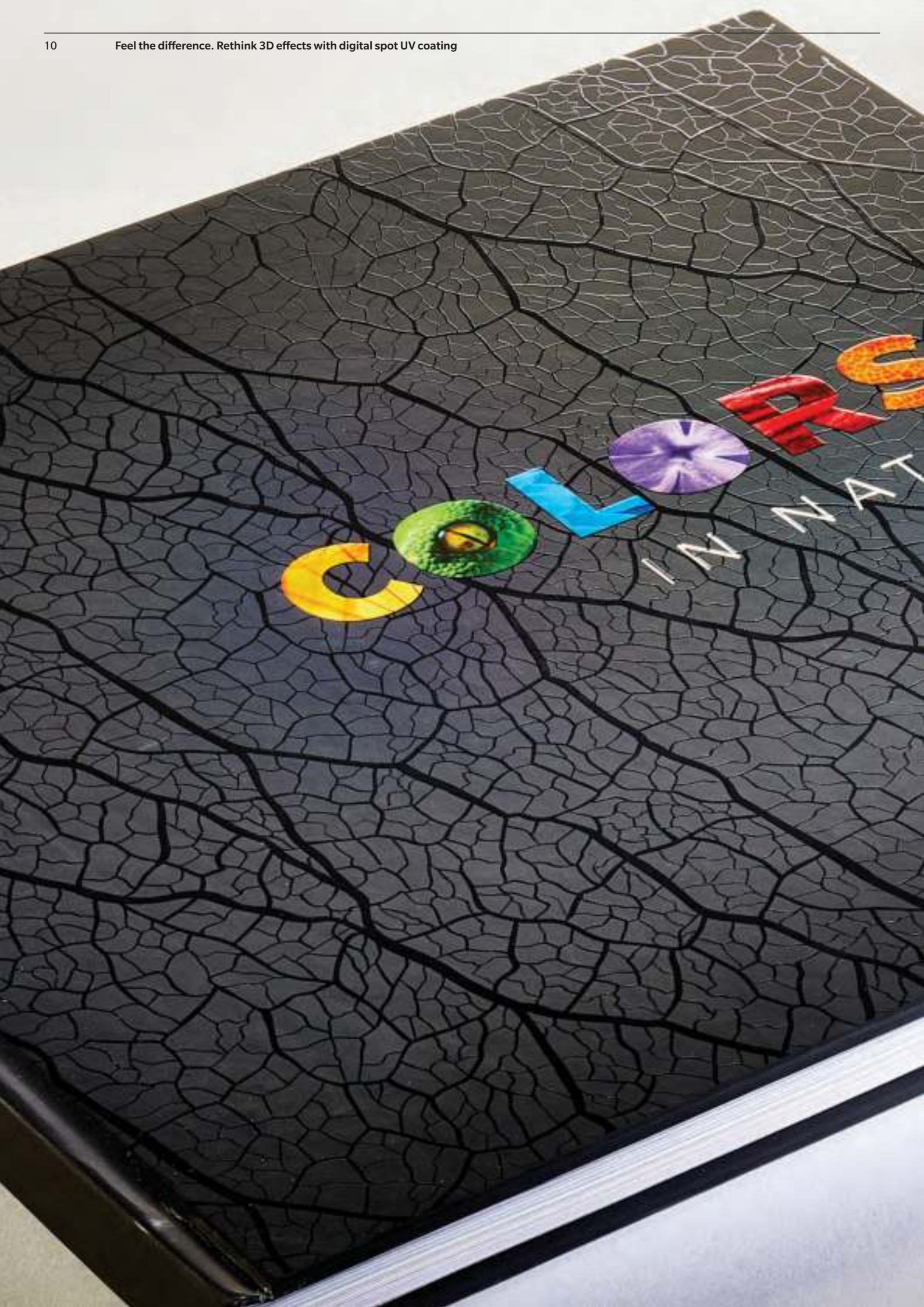
- Up to 2,077 A3 sheets/hour with varnish thickness of 21 µm (2D/flat mode)
- 1,260 A3 sheets/hour with varnish thickness of 51 µm (3D mode)
- Up to 547 A3 sheets/hour with varnish thickness of 116 µm (3D mode)

CORONA TREATMENT SYSTEM (CTS)

- Optional inline system enables the AccurioShine 3600 to use a higher variety of different media (e.g. plastic, etc.)
- Improves the adhesion of the varnish and maximizes the embellishment quality on digital prints
- With optional ozone filter cabinet

ENVIRONMENTALLY FRIENDLY

- Ink is in a closed-circuit system
- No ink and varnish residues
- No cleaning in-between jobs
- No material waste between jobs
- Reduced paper, varnish and electrical consumption


COLOR

EASY DOES IT

100% DIGITAL FOR PROFITABLE, STRESS-FREE PRINT RUNS EVERY TIME

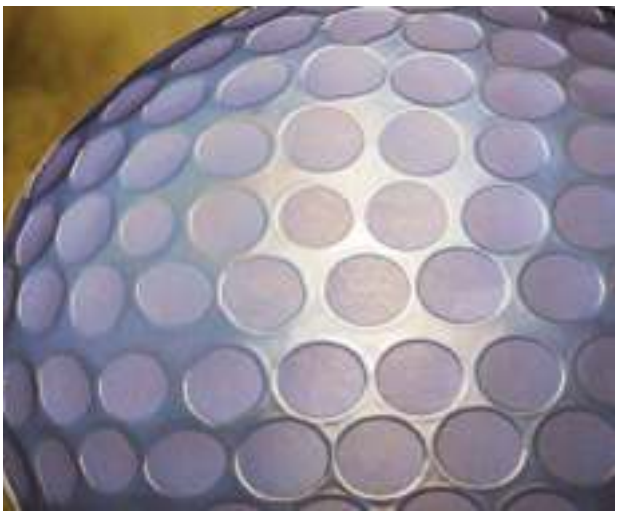
No plates or screens. No cleaning between jobs. With the AccurioShine 3600, all you need is a digital mask to add varnish of varying thicknesses straight on top of toner or offset prints. The Artificial Intelligence SmartScanner® reduces operator setup time by more than 80% and keeps jobs running smoothly thanks to automated correction during runs.

Use the intuitive software suite and touchscreen interface to manage jobs and maintenance with ease. With the job cost calculator you can evaluate images, and forecast varnish consumption and costs before production starts. Edit job files directly at the workstation using the spot varnish editor, an intuitive graphical tool that enables operators to modify jobs without going back to prepress. Reduce preparation times down to just a few minutes and start jobs with confidence knowing that every sheet will look spectacular.

- Take on more lucrative short and medium print runs
- Prepare print runs faster
- Eliminate plates, screens and dies
- Produce more complex jobs
- Apply on top of a wide range of substrates, toner and offset prints
- Job cost calculator
- Workstation spot varnish editor

ARTIFICIAL INTELLIGENCE SMARTSCANNER® (AIS)

The industry-leading AIS changes the way digital printing and finishing works. The system uses artificial intelligence to create an automatic varnish registration over the preprinted sheet, reducing setup time by more than 80% and minimising make-ready waste. Without operator intervention, the AIS makes corrections and adjustments for any defects generated in the original offset or digital print process, including sheet and image skew, shift, stretch or contraction.



10 GOOD REASONS
FOR THE AccurioShine 3600

1. ENTRY-LEVEL VARNISHING SOLUTION

The AccurioShine 3600 offers the same powerful technology as in B1, B2 and roll-to-roll web format but at entry level cost.

2. MGI-DEVELOPED PRODUCT

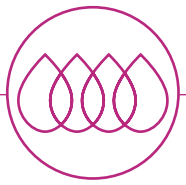
Adopt in-house, full-production and prototype-finishing spot UV varnishing without the need for screens, plates or dies.

5. AMAZING EASE OF USE

No screens, no plates and no cleaning between jobs – all you need is a digital mask ...

6. MORE LUCRATIVE SHORT AND MEDIUM PRINT RUNS

Prepare print runs faster thanks to eliminating plates, screens and dies – and produce more complex jobs on a wider range of substrates, toner as well as offset prints.



3. KONICA MINOLTA INKJET TECHNOLOGY

Features exclusive Konica Minolta drop-on-demand piezoelectric print heads for highest quality.

4. TOP PRODUCTIVITY

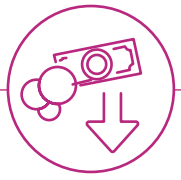
thanks to fast, simple and straightforward single pass printing.

7. ECO-FRIENDLY IN-LINE LED DRYER

for an ozone-free environment!

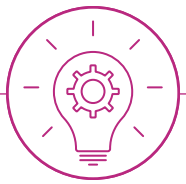
8. GENTLE ON THE ENVIRONMENT IN MANY WAYS

Thanks to its closed-circuit system, the AccurioShine 3600 leaves no ink or varnish residue and avoids any cleaning effort or material waste between jobs.



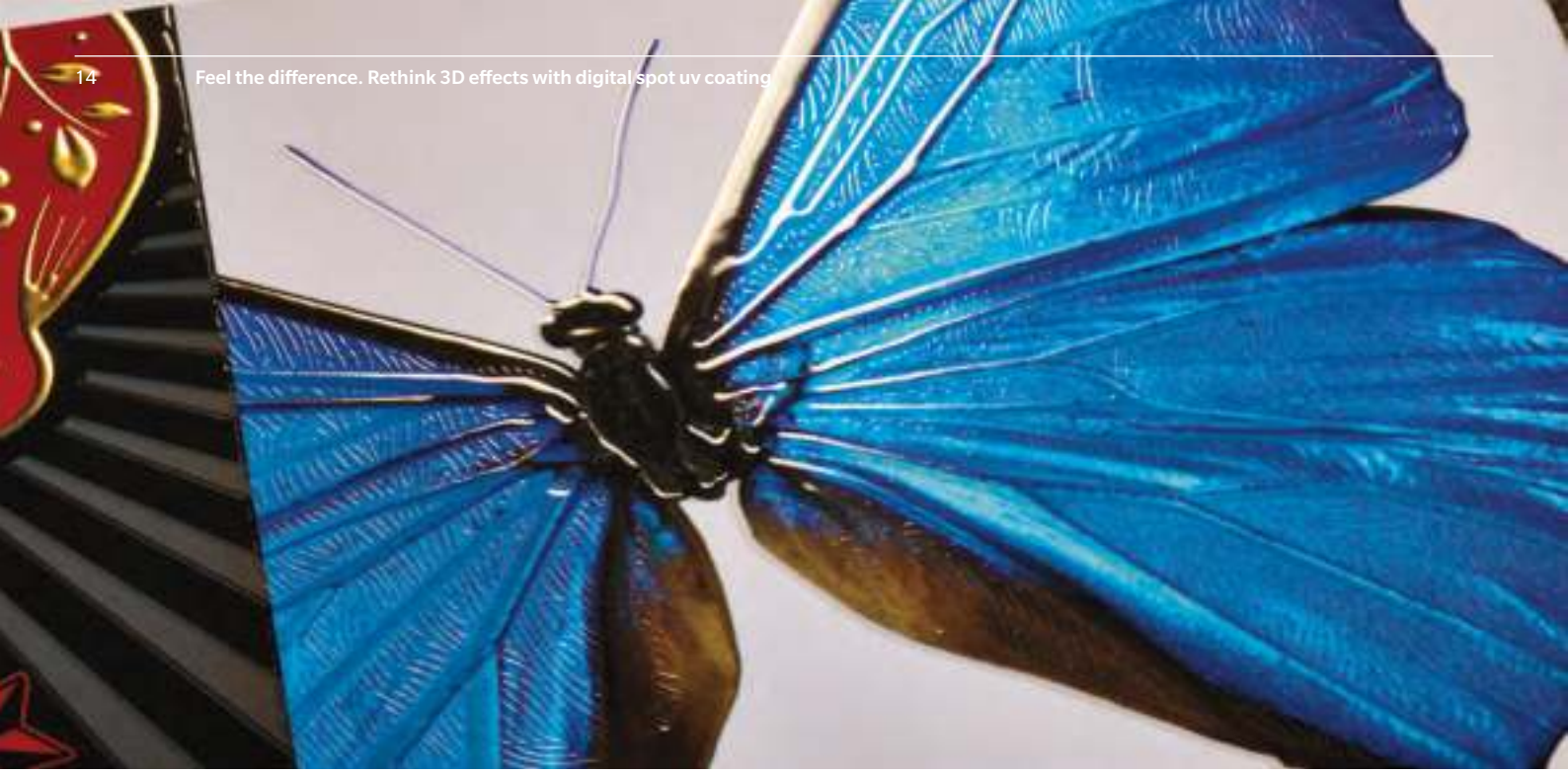
9. COST-EFFECTIVE OPERATION

The closed-circuit system also helps to reduce paper, varnish and electrical consumption, allowing for low-cost operation and increased margins.



10. VIRTUALLY UNLIMITED CREATIVITY

Answering the needs of customers who expect added value and sophistication, the AccurioShine 3600 lets you create spectacular and irresistible print products that will immediately catch everyone's attention!



GO THE EXTRA MILE

BOOST YOUR OUTPUT WITH THESE OPTIONAL ADDITIONS

CORONA TREATMENT SYSTEM

Increase the variety of media your AccurioShine 3600 can process and improve varnish adhesion. The Corona Treatment System (CTS) uses an electric charge to add micro-pitting to surfaces to prepare them for coating. Micro-pitting can increase wettability and adhesion, making it possible to add varnish on top of a wider variety of substrates. Inserted after the paper feeder module, the CTS also contains an optional ozone cabinet, keeping your workplace clean by eliminating the need for ozone ducts. Depending on media and factors such as temperature and humidity, the CTS may not improve adhesion.

VARIABLE DATA PRINTING BARCODE SCANNER

Variable Data Printing (VDP) is ideal for printing product labels, tickets or packages with small differences such as product names or barcodes. With the barcode scanner, you can make job changes as simple as scanning a barcode. The AccurioShine 3600's barcode scanner reads barcodes from a preprinted sheet and instantly selects the corresponding TIFF file already stored on the workstation. Combine the VDP barcode scanner with the Automatic PDF File Converter for a truly seamless workflow which takes files from PDF to the output tray in minutes.

AUTOMATIC PDF FILE CONVERTER

This separate PC works as part of your network to automatically translate PDF data into the TIFF files required by the AccurioShine 3600. Once integrated, the Automatic PDF File Converter works to quickly move jobs forward, reducing the manual steps in starting a new print job.

ARTIFICIAL INTELLIGENCE SMARTSCANNER® (AIS) LIGHTING FORMETALLIZED SUBSTRATES

Add this option to enable the AccurioShine 3600 to accurately register foil and metallic surfaces accurately. Although the AIS is equipped as standard with highly effective lighting for the vast majority of preprinted media, some substrates with metallic properties require specialised lighting to reduce glare.

ENDLESS APPLICATIONS

Digital spot UV coating adds that extra dimension to any project, helping your customers stand out from the crowd. Create tactile and visual effects on typography and images, or add 2D and 3D gloss elements to your designs.

BOOKS, BOOK COVERS, MAGAZINES, BROCHURES

Offer on-demand printing and embellishment that reducesstorage costs for your customers.. .

GREETING CARDS, BUSINESS CARDS, EXCLUSIVE INVITATIONS

Create unique business or greeting cards on a range of substrates in small, medium or large quantities.

PACKAGING, CARTONS

Produce eye-catching packaging options on-demand, with capacity for versioning and personalisation in small and medium quantities.

DIRECT MAIL, POSTCARDS

Help your customers to differentiate themselves with highly customised mail items that will outshine any email..

OTHER APPLICATIONS

- Personalised calendars
- VIP tickets
- Point-of-purchase and promotional materials
- Sheet-fed labels
- Menus

KONICA MINOLTA

TECHNICAL SPECIFICATIONS

RETHINK INDUSTRIAL PRINTING

PRODUCT SPECIFICATIONS – ACCURIOSHINE 3600

Printing technology	Konica Minolta's exclusive inkjet engine technology; Drop-on-Demand (DoD) technology; piezoelectric printheads, developed and manufactured by Konica Minolta; single pass printing; flexible and scalable printing architecture
Coating thicknesses	Depending on your file, the inks used and the type of surface of your sheet, the coating thickness can vary. On laminated and aqueous coating: 21 µm – 116 µm for 3D raised effects and tactile finish. On toner and coated paper: 30 µm – 116 µm for 3D raised effects and a tactile finish
Production speed	In 2D/flat mode: Up to 2,077 A3 sheets per hour (with 21 µm) In 3D/raised mode: Up to 1,260 A3 sheets per hour (with 51 µm) Up to 547 A3 sheets per hour (with 116 micron)
Registration	SmartScanner coupled with Artificial Intelligence (AIS) for fully automated sheet-to-sheet registration process in real time. No crop marks required.
Formats	Min. 21 x 29.7 cm Max. 36.4 x 75.0 cm Max. printable width 35.3 cm
Substrate thickness	Min: 135 g/m² and not less than 150 µm or 6 mil before printing and lamination; Max: 450 g/m² and not more than 450 µm or 18 mil before printing and lamination; Motorized height adjustment of print heads
Substrates*	Printing on most matte or glossy laminated surfaces, with or without aqueous coating, layered paper, plastics, PVC and other coated materials.
Varnish on toner	Spot 3D One coat directly onto most digital prints with no lamination or coating required.
UV coatings and capacity	Varnish delivered with a 10-litre tank capacity
High capacity automatic feeder	Processes a paper stack of up to 28 cm; 2,500 sheets at 135 g/m²
Paper tray	Handles a paper stack of up to 15 cm or approximately 1,250 sheets at 135 g/m² Accepts all paper formats from A4 up to 36.4 x 75 cm
Paper path	100 % flat paper path; vacuum feed system; air feed system; automatic double sheet detection; inline LED dryer; on-the-fly drying and curing via integrated LED
Maintenance & remote technical support	Daily maintenance completed in less than 10 minutes; majority of procedures is automated; automatic cleaning system; from cold start to production in less than 10 minutes; remote troubleshooting and support via included video/web camera (high speed internet connection required)
Operator panel	Integrated user-friendly LCD touch-screen
Options	Automatic PDF File Converter (including RIP); VDP barcode camera (requires Automatic PDF File Converter); AIS SmartScanner Lighting for metallized substrates
Additional Option	Corona One for AccurioShine 3600 Ozone Filter Cabinet for AccurioShine 3600
Dimensions (L x W x H)	4.02** x 1.41 x 1.80 metres; 1 metre clearance required on all 4 sides
Weight	± 1,200 kg
Electrical requirements	V: 220-240V 50-60Hz; A: 20; plug: 2 plugs CEE 17 IP44 32A (32A 250V, 1P+N+PE); RCD 30mA; C curve 32A breaker
Operating conditions	Temperature: 18 to 30°C Relative humidity: between 30 – 55% (no condensation)
Respects the environment	Eliminates resource waste (electricity, paper and varnish); no plates (offset) or screens (screen printing); no cleanup or preparation between jobs; drastic reduction in use of consumables and bulk packaging; coating without volatile solvent.

The default sheet format is A3, unless otherwise stated
1) with an additional option installed
2) speed will vary according to printing parameters used
3) confirm substrate/toner compability with Konica Minolta
* The used substrate needs to be either coated or laminated.
Otherwise the media will absorb the varnish and the desired effect might get lost.
** No paper extensions available.

- All specifications refer to A4-size paper of 135 gsm quality.
- The support and availability of the listed specifications and functionalities varies depending on operating systems, applications and network protocols as well as network and system configurations.
- The stated life expectancy of each consumable is based on specific operating conditions such as page coverage for a particular page size (5% coverage of A4). The actual life of each consumable will vary depending on use and other printing variables including page coverage, page size, media type, continuous or intermittent printing, ambient temperature and humidity.
- Some of the product illustrations contain optional accessories.
- Specifications and accessories are based on the information available at the time of printing and are subject to change without notice.
- Konica Minolta does not warrant that any prices or specifications mentioned will be error-free.
- All brand and product names may be registered trademarks or trademarks of their respective holders and are hereby acknowledged.

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