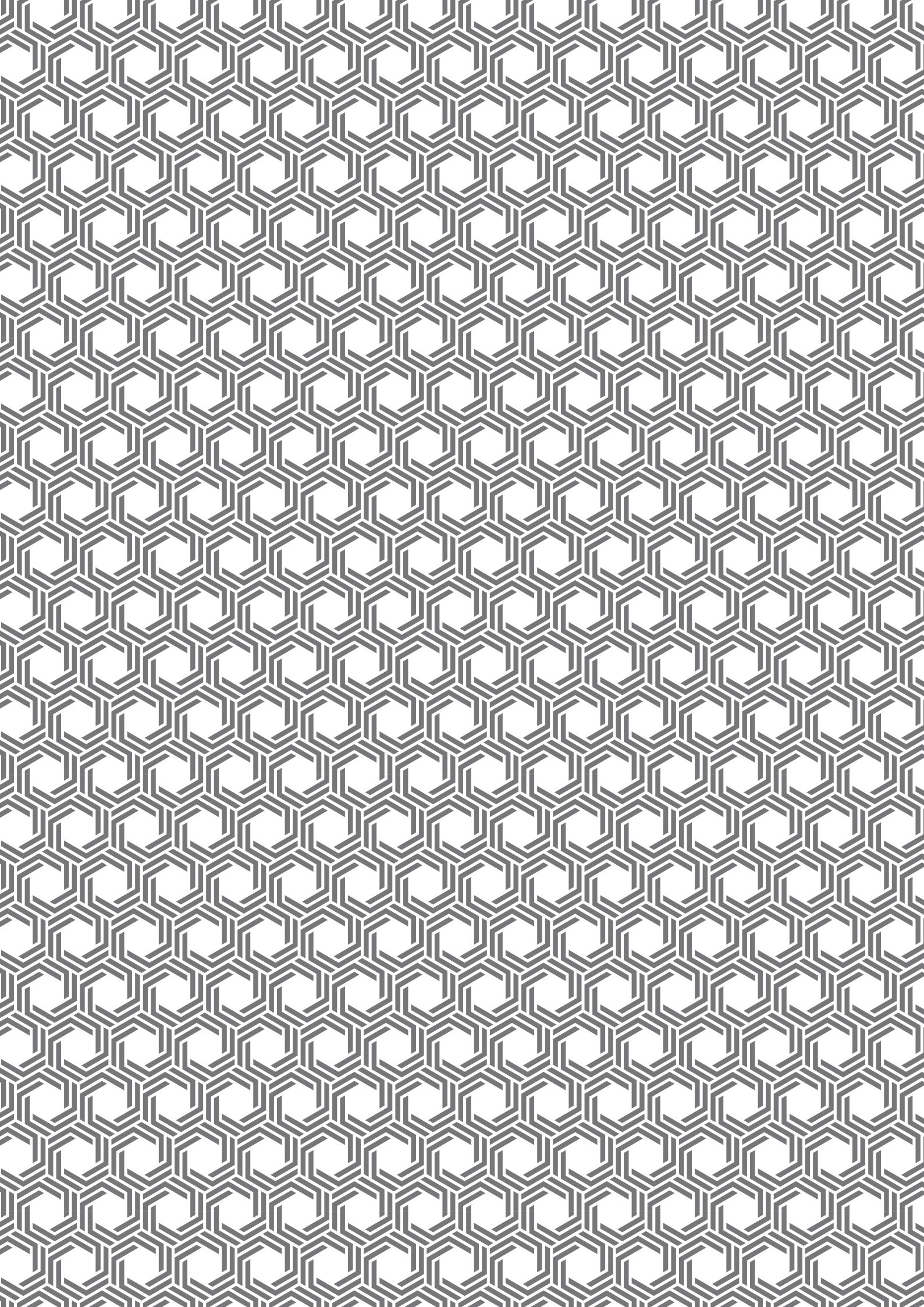


**Sandon | Global**

**WIDE-WEB**





# SANDON GLOBAL

## An Introduction

Sandon Global is an award-winning manufacturer of rolls and sleeves used in the flexographic, gravure, lithographic and metal decoration print industries, worldwide.

Our innovative products, technical expertise and professional technical support lead the market. A statement justified by the enviable industry accolades and long standing, loyal customer base.

Our dedicated staff and global network of agents and distributors work tirelessly to improve our laser engravings, led by a solution focused approach. Visit our Innovation Hub online to monitor the latest related industry topics.

Customers also benefit from our range of ancillary products, including sleeve protection covers, volume measuring equipment, bespoke cleaning systems and sleeve storage.

If you have a print challenge, please contact us with a brief outline.



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# OUR VISION

## VISION, MISSION & VALUES

### Vision

To develop a successful, **sustainable international** business that is globally **recognised** as the **leading** brand in our **selected markets**.

### Mission

Become the number one anilox supplier of choice.

### Values

Precision  
Continuous Improvement  
Service  
Expertise



“ Ultimately our brand is the knowledge, dedication and professionalism of our staff many of whom have worked with us for decades. This experience is invaluable as we never compromise in maintaining our service levels and product quality. ” **John Millington, CEO**

## PURPOSE BUILT FACILITY



# AWARDS & ACCREDITATIONS



We are delighted to have won the EFIA "Supplier of the Year" Gold Award in 2019, 2018, 2017, 2016, 2015, 2014 and 2011 and the Silver Award in 2021, 2013, 2010, 2009 and 2008.

What makes these awards so special is they are selected from nominations directly from European printers. Proving that we are continually delivering on our promise to provide product quality and exceptional service to our customers. We remain the only anilox manufacturer to win such a series of EFIA awards. We are taking this success into all the continents around the world through an extensive network program. We are actively growing our global network. New agents or distributors can register their interest online.



Sandon Global are an ISO 9001:2015 accredited company, which means that we maintain our high quality standards day in, day out.

## OEM'S & PARTNERS

Sandon Global has a strong relationship with the leading Original Equipment Manufacturers (OEM's) and print supply chain around the world.

We are currently the certified supplier approved for the following wide web and narrow web flexo press brands:



These longstanding partnerships have been developed through our commitment to sharing knowledge and expertise with industry leaders. Our focus on analytical, service and quality levels lead to award winning print results.

We are members of:



# PRAISE INDEED

Founded in 2004 the Sandon Global timeline is both rapid and impressive. Our customers have achieved award winning print quality using Sandon Global anilox technology.

## “BY FAR THE BEST PRINT QUALITY WE HAVE EVER HAD”

Westpak Supreme Award Winner - FlexoTech Awards


“ Since switching to Sandon Global we have noticed an improvement in print quality and anilox performance. Coupled with quicker delivery and improved service with an excellent refurbishment standard. ” Fredrik Wendling, Tetrapak Sweden

“ We were tasked with achieving a paper feel effect (Tactile) on printed film. Using a GMX banded anilox we were able to offer a range of specifications to meet the end users requirement. The unique cell design transfers large varnish particles due to its shallow nature. ” Brian Kendall, Interflex

“ Working with Sandon Global we managed to maintain white opacity whilst reducing anilox volume. The ink lay achieved using the Fluid FP engraving out performed the alternatives trialled. ” Matt Duncan, Amcor

“ Regular anilox audits has directly improved colour matching, as we are on top of our cell volume controls. ” Stephen King, Bischof & Klein

## OUR GLOBAL PRESENCE



We are actively growing our global network. New agents or distributors can register their interest online.

Export to over 67 countries via our international sales network.

# PRINT TECHNIQUE

Our award-winning anilox rolls and cylinders are designed to meet specific requirements and challenges set by the Wide-Web Flexo and Gravure markets.

We manufacture and supply both new and refurbished laser engraved anilox. No single step of our production process is outsourced, guaranteeing total quality control. Our methodical approach assures the extended lifespan of our anilox, delivering print consistency and repeatability of colour for our customer base day in, day out.

Each of the engraving formats have been developed to achieve optimised results with solvent and water-based inks in HD process, solid, vignette, white and various coating applications. Whatever your print requirement Sandon Global will have the ideal anilox to meet your print needs.

We also supply a range of ancillary products to support our product and meet the cleaning and maintenance demands of an industrial print operation.

## WIDE-WEB



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## HIGH VOLUME PROCESS (HVP)

The High Volume Process (also known as HVP) is an intermediate anilox that was designed to combine high line counts with high volumes for solid and tone print. The elongated cell design allows us to increase the print latitude in comparison to conventional specifications. Key benefits include;

Versatile engraving used for solids, mechanical tints, vignettes, fine line text and clean reverse out print

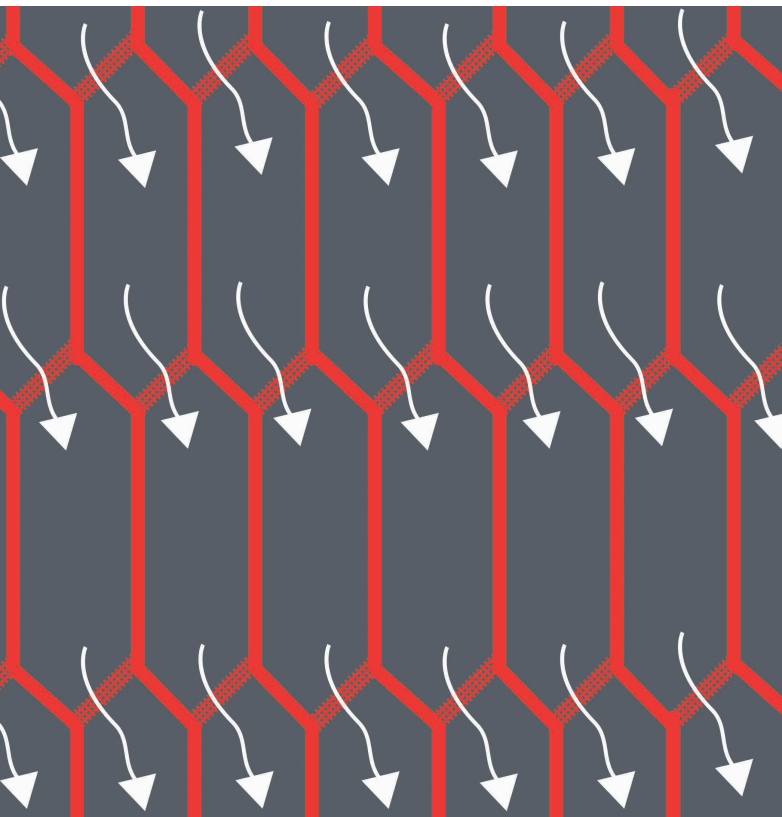
Combines solids and tonal print on the same plate

Easy cleaning

Reducing anilox inventory and press downtime

Enhanced lay down, reducing pin-holing on solids

Improved wear characteristics, allowing cells to maintain good cell ratios characteristics



## COMBINATION (FLUID FP)

Our semi-channelled Combination engraving (also known as Fluid FP) is designed for use in wide web flexographic print processes. The open nature of the engraving offers many advantages to printers summarised below.

A semi-channelled engraving enabling controlled ink flow

Ideal for High Opacity White

Extended lifespan in comparison to conventional engravings

Combines solid and tone on a single plate

Good release characteristics

Increased scoring resistance due to smooth micro-polish finish

## CONVENTIONAL 60° (CLASSIC)

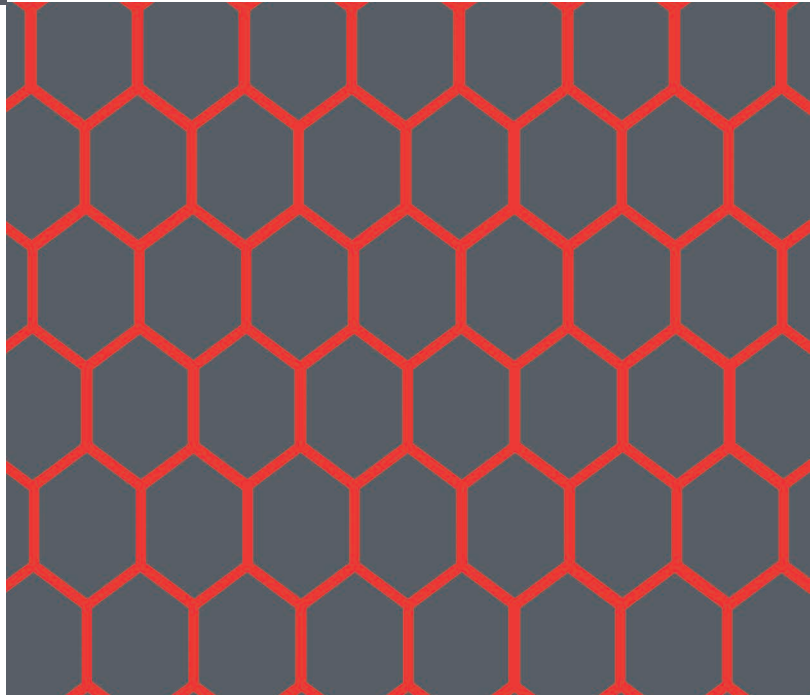
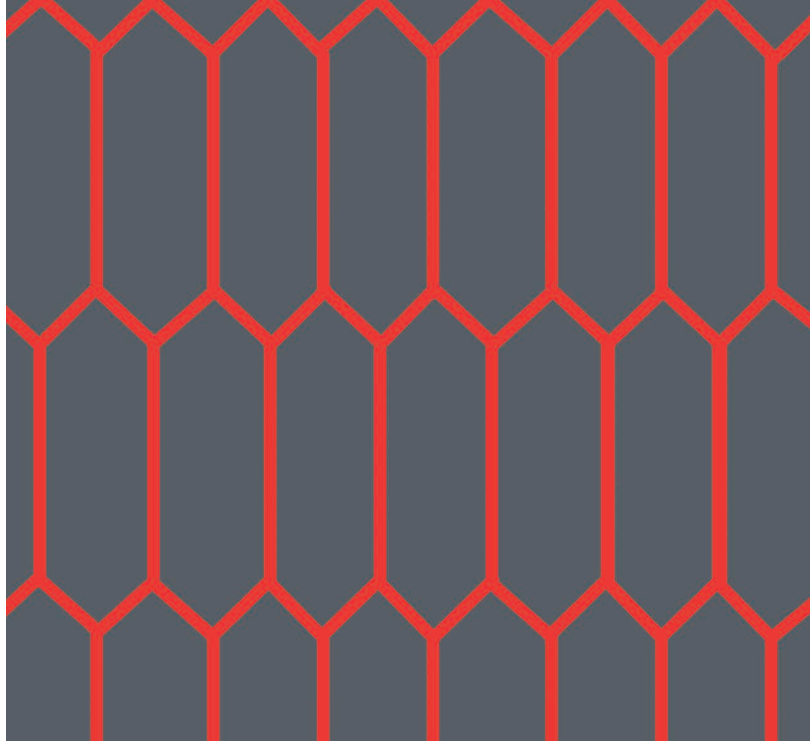
The 60° Conventional engraving (or Classic) is a multi-functional anilox and offers wide web printers consistent print results for both process and solid print on a broad range of substrates. The open cell structure delivers excellent release characteristics.

A 70% open cell structure aids ink flow

Multi-functional engraving

High cell wall ratio maximising ink release

Process and solid print





## HIGH DEFINITION PROCESS 61°(XPRO)

As High Definition print is becoming the norm in the wide-web world we have developed an engraving solution for this purpose. A 61° engraving (also known as **XPRO**) is also ideal for vignette and solid pantone colours. Used typically with high resolution plates our robust cell peaks and channelled cell walls offer a range of benefits including;

Improved wear resistance at high resolution

Reduced risk of scoring, wear and engraving damage

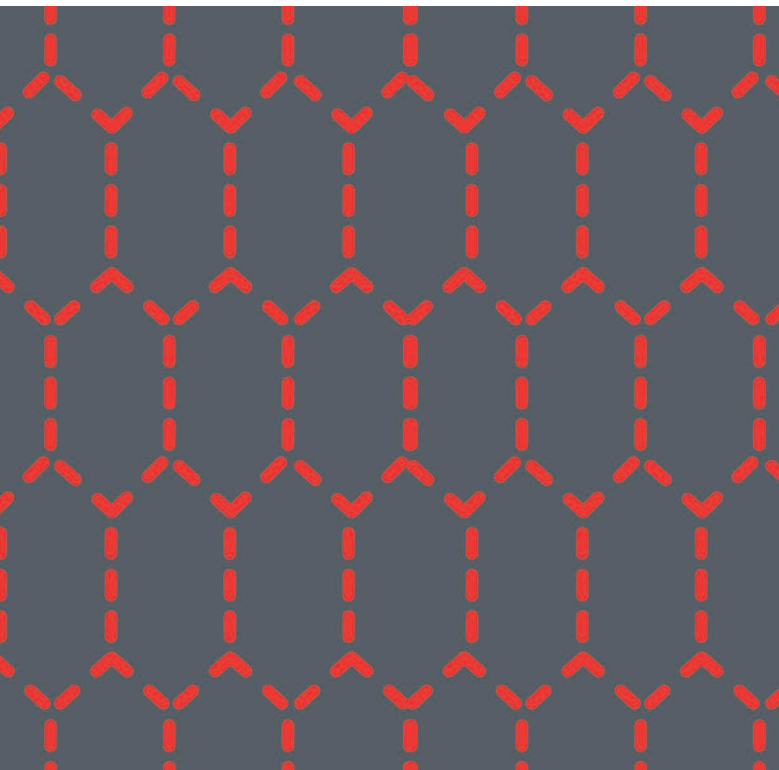
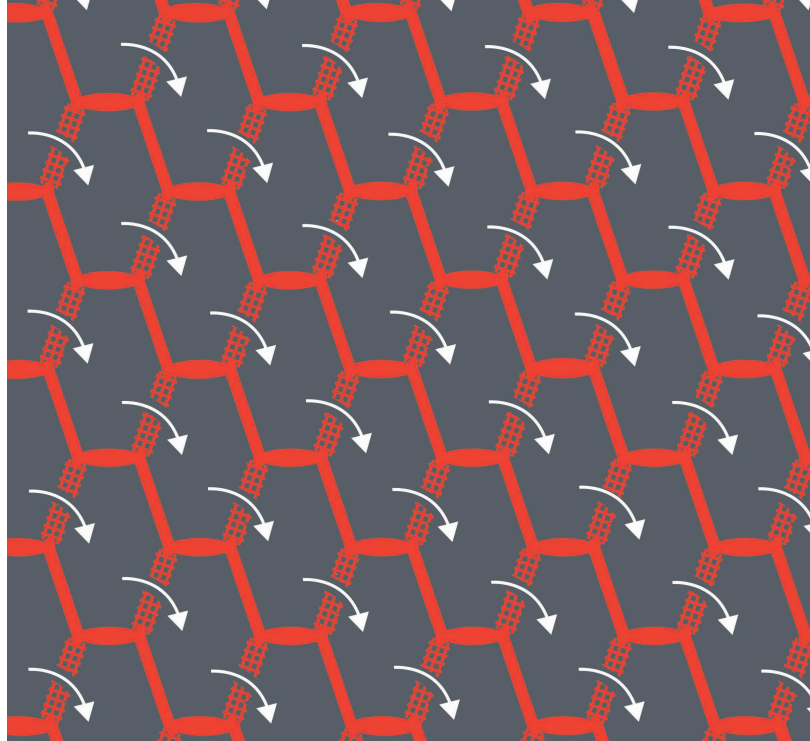
Robust high peaks and channels to aid ink release

Reducing ink starvation, delivering vivid HD colours

Consistent ink transfer up to 800 mpm

Reduced plugging or cell blockage

61° engraving achieves a high line count reducing dot gain and bridging



## HIGH DEFINITION PROCESS 75° (IPRO)

Our original High Definition 75° engraving (also known as **IPRO**) harnesses the characteristics required to achieve vivid colours through controlling opacity whilst reducing dot bridging / dot gain. Other benefits include;

75° engraving achieves a high line count reducing dot gain and bridging

Allow printers to make the most of advancements in reprographics

Vivid HD colours

Gaps in cell walls to reduce surface tension and promote ink release

Inter-linking cells deliver HD print quality

Consistent ink transfer, up to 800 mpm

Reduced ink starvation compared to a standard hexagonal cell format

## TACTILE COATING (GMX ANILOX®)

A patented engraving specifically created for tactile coatings (also known as **GMX Anilox®**) has been designed to address the challenges when laying down special and heavy coatings including varnish, adhesive and metallic inks. A versatile and patented engraving that delivers the following benefits;

Unique and efficient shallow cell design

Increase coat weights

Reduces cell blocking when using large coating particles

Reduce vibration due to micro-finish cell polish

Easier to clean than conventional engravings

Reduce annual spend on coatings, varnish and lacquers

**PATENTED  
EP3408097B1 AND  
US10994565**



# HOW DOES YOUR ANILOX SYSTEM PERFORM?

Our inhouse engineering department guarantees total control of the quality for both raw materials used, and our advanced manufacturing processes. Monitored by an independent Quality Control Team, protecting the reputation of our brand is essential.

Starting with the base materials we understand the link between material choices and the finished product. To this end we are unique in that we do not outsource the manufacture of any stage of our anilox rolls and cylinders. We strongly believe that it is our responsibility to qualify the accuracy of our products for our customers and take ownership as an anilox specialist. Adding value and passing on true competitive advantage in print quality.

Any anilox sent in for refurbishment are assessed by our trained engineers who determine if repair is necessary or a full and new engraving is necessary. At no extra cost.

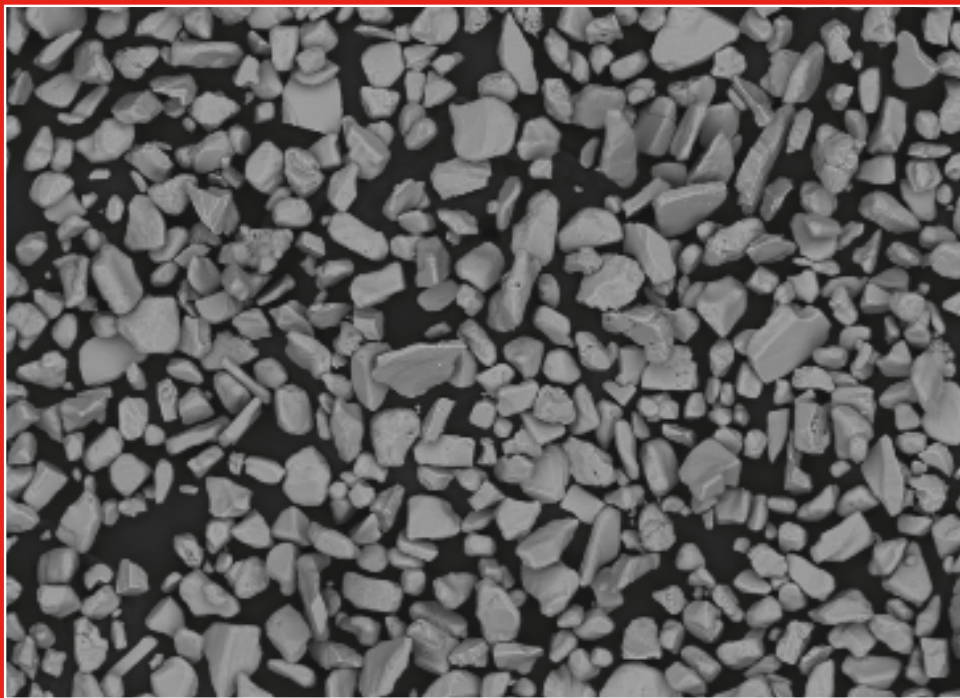
In a deadline driven industry our ability to offer our customers flexibility and speed of response has proved invaluable in maintaining the balance of quality and short lead time.



# METALLOGRAPHIC LABORATORY

Our fully equipped laboratory ensures we maintain total control of porosity levels which are checked at every stage of the process using a scanning electron microscope. The care we take and investment in science means we can confidently offer our customers “corrosion” free anilox rolls and sleeves at a consistent volume control. Sandon Global places the quality of our production as the corner stone of our business.

Our metallographic laboratory provides a wide range of assessments from macroscopic level up to a high magnification (150000) electron microscopy.



Magnified Powder Sample x 500

Our laboratory capabilities include:

- light microscopy – materials structural and morphological analysis
- hardness testing – indentational analysis of material properties
- scanning electron microscopy

Our equipment allows control of chemical composition, particle size distribution and morphology of the powders we use; structure, hardness and chemical characteristics of the coatings we spray; profile, quality and properties of surfaces including inspection and evaluation of engravings. We use this comprehensive approach to ensure stability, repeatability and consistency of the product we manufacture.

# ANCILLARY PRODUCTS

Protect your investment with Sandon Global anilox ancillary equipment.

Sandon Global supply an impressive range of ancillary products, supporting wide-web printers with reliable cleaning, storage and inspection equipment.

The importance of sustainability in all industries cannot be understated. To this end Sandon Global take time to identify the most efficient and environmentally conscious anilox cleaning solutions. From reducing water wastage to safer cleaning fluids we guarantee what we supply will meet your organisations sustainability objectives.



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## VOLTEC VOLUME MEASURING

Voltec is an industry recognised measurement system, enabling printers to quantify the precise volume of their anilox inventory.

Incorporates:

- Digital Scanner with Software
- Micro-Pipette
- Tractor Blade
- Ink
- Calibration Roll

### PRODUCT INFORMATION:

#### OVERVIEW

The Voltec equipment is a wet ink test that gives an indisputable measurement of volume in  $\text{cm}^3/\text{m}^2$  (and can be converted to BCM by dividing by 1.55). Whether the anilox are dirty or worn, this equipment informs users of the actual volumes of their anilox sleeves and/or rolls.

This reduces press downtime and gives ink suppliers the necessary information for strengthening inks. The Voltec kit we supply is a robust tool which can withstand the industrial print environment.

#### ADDED VALUE

Sandon Global include full operator training at our HQ to ensure that your anilox operatives are completely confident in using the Voltec measuring kit.



## ANI-SCOPE INSPECTION

Used in conjunction with the Voltec system, the Ani-Scope is designed as a simple way to check the condition of anilox engravings.

### PRODUCT INFORMATION:

#### OVERVIEW

The microscope is available with a variety of magnifications. Enabling print managers to quickly ascertain levels of cleanliness, wear and potential damage on the anilox engraving.

The Ani-Scope can be linked to a smart phone and capture images efficiently.

Anilox refurbishments and cleaning schedules can be planned. Saving valuable press time and maintaining quality standards.

#### ADDED VALUE

Sandon Global provide full training and an annual equipment calibration.

#### KEY FEATURES

**MAGNETIC BASE FOR EASE OF USE**

**SMART PHONE COMPATIBLE**

# CLEANING FLUIDS

We offer a range of cleaning chemicals designed specifically for use with solvent and water-based systems.

Housekeeping is an essential part of any operation although often overlooked. The correct application of cleaning chemicals will result in reduced downtime.

Our cleaning products have been classified into simple formulas for easy reference as follows;



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## CLEANING FORMULA 1 & 2

The ultimate cleaning chemical, for an instant clean. This will remove all types of ink and should be used for stubborn ink residue which cannot be removed with other chemicals. This chemical provides an intensive clean and should be used periodically to remove the most persistent dried inks alongside mechanical cleaning systems or softer cleaning fluids. Formula 1 is supplied in 0.5L bottles, Formula 2 is supplied in 1KG packs.



## CLEANING FORMULA 4

Strong, less aggressive cleaning fluids, for solvent based ink. A good daily cleaning solution or for intensive cleaning between mechanical cleans. Supplied in 4 x 1L bottles

## PLEASE NOTE

Due to the variation in international shipping rules we may not be able to deliver direct to your location. Please check with your local Sandon Global representative or contact us via the email address below.

# INK FILTERS & EARTH MAGNETS

Protect your anilox with Sandon Global earth magnets. The magnets are simply placed in your ink buckets and sumps and collect a significant amount of metallic debris that cannot then go on to score your anilox.

The magnets are easily taken out of the ink and cleaned. A simple yet highly effective method to extend the lifespan of your engraving.



## PRODUCT INFORMATION:

### OVERVIEW

Designed to collect metallic particles they are easy to clean and maintain and fit various ink bucket formats. Printers will understand how particles can cause damage to the anilox engraved surface causing disruptive abrasion and score lines.

### ADDED VALUE

Bespoke design to suit the dimensions of your ink buckets or sumps.

# SLEEVE COVERS

Protect your anilox with our robust sleeve covers.

It is a well-known fact that most anilox damage occurs when moving anilox from the storage system to and from the press.



## PRODUCT INFORMATION:

### OVERVIEW

We supply a range of sleeve covers to protect the anilox in transition, a hard-wearing fibreglass design are made to survive an industrial environment. The sleeve includes an end ring which protects the anilox where they are most vulnerable whilst in storage. Colour Coded for easy identification.

### KEY FEATURES

**REDUCES NEED FOR REFURBISHMENT OR SLEEVE ANILOX REPLACEMENT**

**PROTECTION OF ANILOX DURING STORAGE**

**END RINGS FOR PROTECTION OF ANILOX ENDS**

**STRONG, HARD-WEARING MATERIAL TO PROTECT ANILOX DURING TRANSITION**

**COLOUR CODED AND A VARIETY OF IDENTIFICATION OPTIONS**



## WIRE BRUSHES

We supply stainless steel wire brushes to use during the anilox cleaning process with specific cleaning fluids matched to your ink system.



### PRODUCT INFORMATION:

#### OVERVIEW

Due to the hard-wearing nature of ceramic anilox the stainless steel wire brush will not damage the cells.

Used in a firm circular motion the wire brushes are supplied in different grades to work with specific anilox engraving solutions.

#### ADDED VALUE

Sandon Global technical sales team will be happy to advise which grade is best for your anilox.



# ANILOX JACKETS

Designed to protect your conventional anilox when stored. Steel rolls with journals can be covered with made to measure jackets.



## PRODUCT INFORMATION:

### OVERVIEW

The anilox jackets have a plastic outer and are padded, providing extra protection. For speed of use velcro straps secure the jacket and can be cleaned to ensure ink transfer does not occur. An identification pouch provides print managers with an easy labelling solution for anilox inventory.

### ADDED VALUE

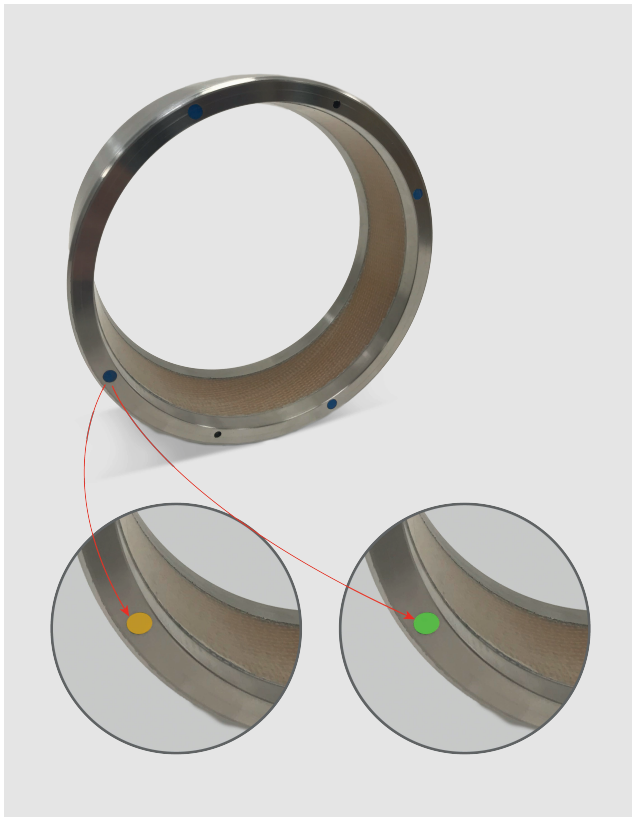
Reduce risk of damaging anilox

### KEY FEATURES

PROTECTION OF ANILOX DURING TRANSITION

REDUCES REFURBISHMENT /REPLACEMENT COSTS

EASY TO CLEAN | IDENTIFICATION LABEL DURABLE, CLEANABLE MATERIAL



## COLOUR-CODED END RINGS

Make your anilox visually identifiable with colour-coded end rings

# STORAGE

Our range of versatile anilox and sleeve storage solutions can be floor mounted or mobile modular systems. Built to your specification our storage solutions enable you to store all your anilox and print sleeves vertically.

Scalable solutions will fit most print rooms offering protection and easy access to your entire inventory of sleeves. Vertical storage evenly distributes the weight of the sleeves, reducing the the risk of stress and damage.

Summary features include:

- Modular
- Mechanically driven (optional)
- Adjustable shelf heights
- Simple self-assembly
- Capacity to hold up to 600KG per module
- Even weight distribution of sleeves
- Safe manual handling
- Customer branding available
- Damage free storage



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# SLEEVE STORE

This versatile, floor mounted, modular system enables you to store all your print sleeves vertically in one convenient store.

A stylish, bespoke design stores cylinders securely in modules, each of which hold up to 40 sleeves dependent on size.



## PRODUCT INFORMATION:

### OVERVIEW

Two modules are fixed to the floor and can support a further four mobile modules. Housing up to 240 sleeves in a simple six module system.

### ADDED VALUE

As sizes vary please specify dimensions when submitting your quotation request.

### KEY FEATURES

**MECHANICALLY  
DRIVEN**

**ADJUSTABLE  
SHELF HEIGHTS**

**SIMPLE SELF-  
ASSEMBLY**

**CAPACITY TO HOLD UP TO  
600KG PER MODULE**

**EVEN WEIGHT  
DISTRIBUTION  
OF SLEEVES**

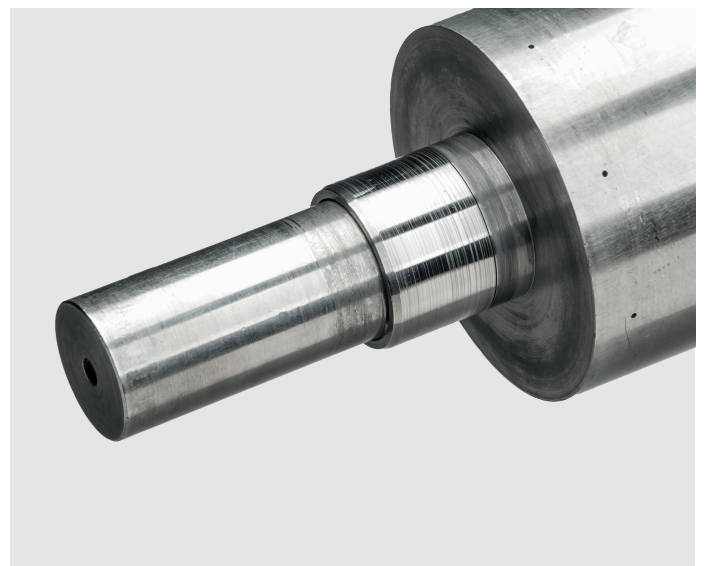
**SAFE MANUAL  
HANDLING**

**CUSTOMER  
BRANDING  
AVAILABLE**

**THIS CAN BE SCALED TO  
STORE AN UNLIMITED  
NUMBER OF SLEEVES**

## ANILOX & PRINT SLEEVE MANDREL

An essential component when fitting and removing anilox and print sleeves. Designed to prevent damage of anilox ends when handled.



# ANI-STORE

The Ani-Store is a portable storage system designed to hold either 12 or 16 anilox at an easy height for lifting. Due to the fibreglass inner sleeve construction we recommend anilox are better stored vertically rather than horizontally, therefore distributing the weight evenly and reducing the stress on the anilox base and increasing the lifespan. Note: not mobile when full of sleeves.

## OVERVIEW

**SAVES SPACE  
STORING 12 TO 16  
SLEEVES VERTICALLY**

**PROTECTIVE PERSPEX  
SLIDING DOORS**

**EVEN WEIGHT  
DISTRIBUTION OF SLEEVES**

**ERGONOMIC**

**IMPROVED EFFICIENCY**

**MOBILE WHEN EMPTY**

**OPTIONAL CUSTOMER  
BRANDING**



# ANIPOD STORAGE CAROUSEL

Our circular anilox storage carousel meets the bespoke needs of our flexible packaging customers using anilox sleeves. Stored vertically the carousel is on wheels so can be moved around the print room but can be locked securely. Holding up to 12 sleeves the Anipod can also store print and bridging sleeves.

Note: not mobile when full of sleeves.

## KEY FEATURES

**SAVES SPACE STORING UP  
TO 12 SLEEVES VERTICALLY**

**PROTECTIVE ANILOX  
STORAGE**

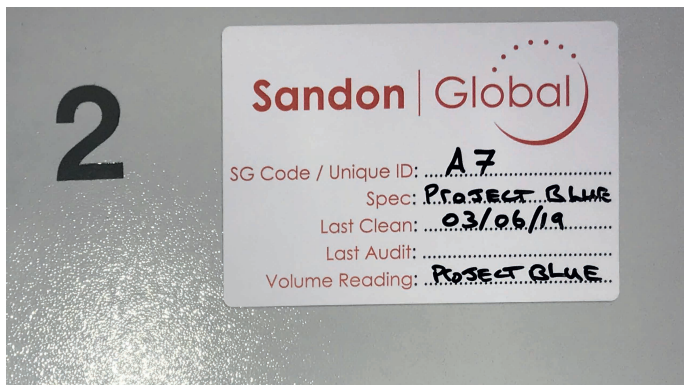
**IMPROVED EFFICIENCY**

**OPTIONAL CUSTOMER  
BRANDING**

**MOBILE WHEN  
EMPTY**

**EASE OF USE**

**EVEN WEIGHT DISTRIBUTION**



# MAGNETIC ANILOX IDENTIFICATIONS

Dry wipe magnetic labels used to identify anilox specifications at a glance.

Placed on the side of a press when in use means press operators can visually link to specific print units.



## TRAINING

Sandon Global has an enviable knowledge bank accumulated over decades of print experience in flexo, gravure, litho and specialist print techniques.

## INFORMATION:

### OVERVIEW

We actively support our customers and print apprentices with dedicated training solutions.

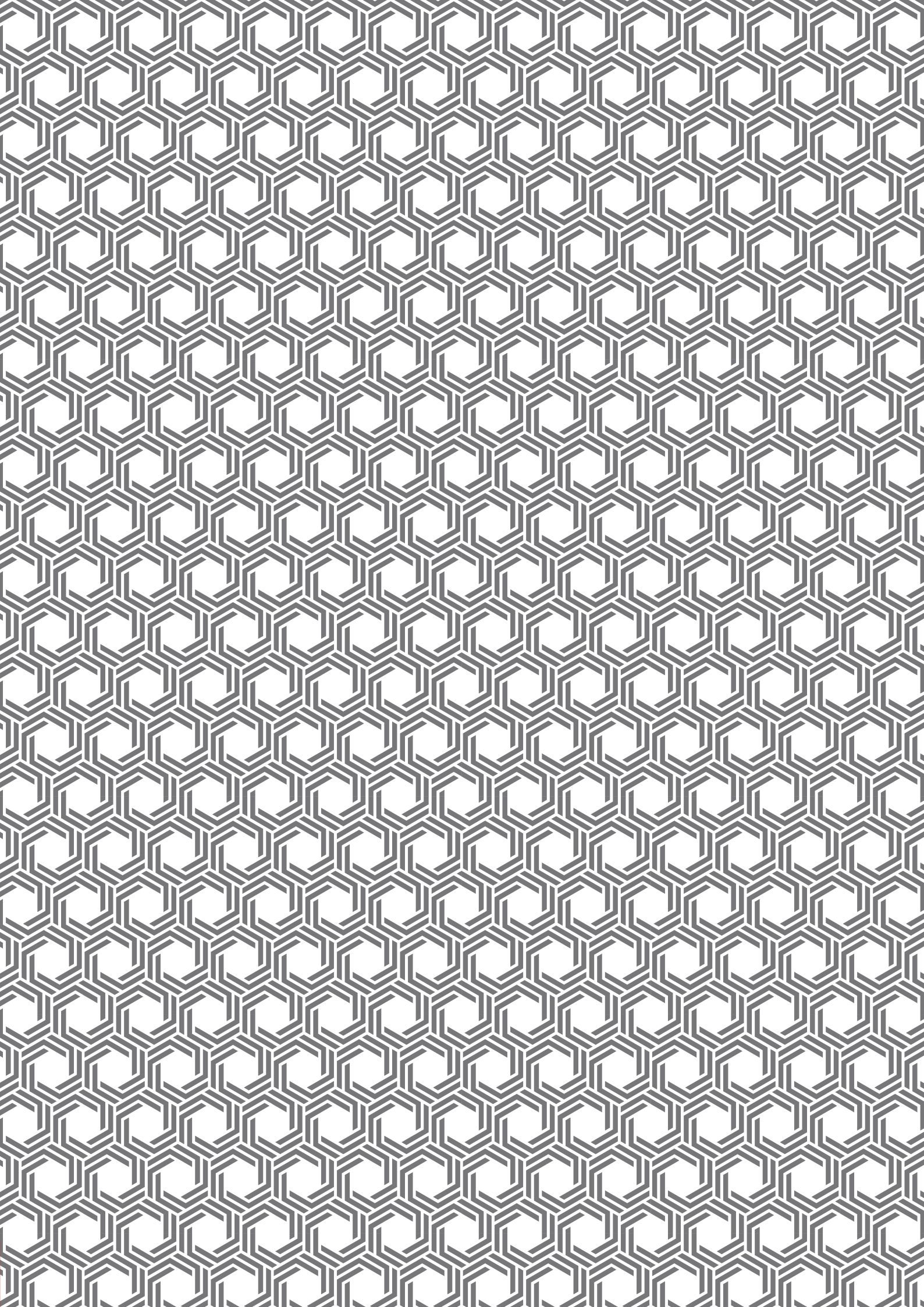
Our commitment to 'Printing Partnerships' is well documented with our involvement in the EFIA Academy through to our bespoke training sessions delivered to customer teams either on site or at our UK Headquarters.

Our tailored service improves overall print knowledge with specifics around the maintenance of anilox inventory. Saving money in the long term through best practice techniques.

---

### CONTACT US

To find out more about our training solutions, contact us today on [info@sandonglobal.com](mailto:info@sandonglobal.com)



# CONTACT US

Sandon Global has representatives based in every continent across the world.

Please complete our simple online enquiry form selecting your location. Alternatively see our nearest agents contact details below.

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Sandon Global  
Sandon Global House  
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Manor Park  
Runcorn  
Cheshire  
WA7 1TS  
United Kingdom



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