



Solutions Division

Anilox Rollers

Ceramic Anilox Roller

Zecher ceramic anilox rollers and sleeves are characterized by their precision, durability and reliability. Laser-engraved rollers and sleeves are at the heart of the flexo printing process and our brand has become the product of choice for many of the worlds' leading press manufacturers.

Chrome Anilox Roller

The chrome roller corresponds to the original design of the anilox and consists of a steel or stainless steel roller base and mainly used in coating. Compared to a ceramic roller, the surface is smoother and has better release for this application. As copper is very soft, the engraving is protected against abrasive wear (doctor blade) by chrome-plating the surface.

Corrosion Protection

Special surface finishings using a two component coating system and defined layering thickness protect your anilox rollers from external effects.

The Epoxy Resin Hardener System is a temperature and chemical-resistant surface finishing that give anilox rollers a high level of protection against corrosion and abrasion, even in aggressive environments. Zecher provide further surface finishings for your anilox rollers such as hard chrome Plating and I.T.S® roller finishing.

Anilox Roller Accessories

Wrap your printing rollers in a safe place: With Zecher's protective mats and covers, you protect your anilox rollers against external influences.

Protect your anilox sleeves from avoidable damage with sleeve cleaning adapters.

Evolux - Laser Cleaning Machines

The Evolux laser cleaning machines are available in web widths of 1000, 1700, 2100, 2500 and 3000 mm and offer optimized cleaning of sleeves and solid rolls ranging from 50 to 1000 kg. They fit perfectly into everyday production processes and reduce time and costs related to downtime and anilox roller reconditioning whilst improving print quality and reproducibility.

The small Evolux Smart laser cleaning machine is a portable version used mainly in the medium and wide web printing sectors, as well as cardboard printing or coating when rollers are large and it is time consuming to remove them from the press for cleaning.

DotScope mini - 3D Anilox Roller & Plate Inspection

The DotScope mini is the optimal solution for users who perform many measurements on rollers every day. Optimally coordinated hardware and software allow a very high working speed for accurate 3D measurements.

PRIMACLEAN Materials

Anilox Gel - (Deep Clean)

A very powerful cleaner specifically developed for use during periodic deep cleaning of anilox sleeves and rollers that are contaminated with residues of water based or solvent based flexo inks, gravure inks or coatings such as wax or dispersion residues. This product can be used for manual on press cleaning and to power up the deep cleaning process in an automatic washing system.

Corrugated Daily

For cleaning anilox rollers in corrugated box manufacturing. This product has been specially developed for the daily cleaning when working with a water based printing inks.

Periodic Deep Clean

An alkaline anilox cleaning product delivered as a concentrate for dilution with water before use and according to the application. Dilution ratios range from 1:2 to 1:6, depending on the levels of cell blockage being experienced.

AQ / UV MP

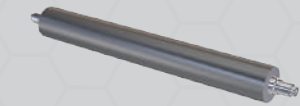
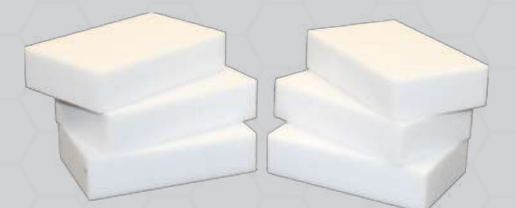
Anilox roller / sleeve cleaning product. This product can be used undiluted in anilox washing machines for UV and water based inks.

UV / Solv Daily MP

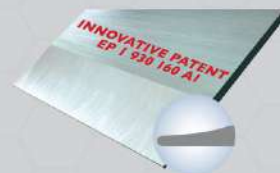
A high-quality liquid cleaner, used for manual washing and daily removal of UV and solvent based inks from anilox sleeves and rollers. Can also be used in the press for partial anilox cleaning combined with a micro fibre sponge for best results. This product can also be used for cleaning flexo printing plates either in bespoke equipment, or manually with a soft brush and cleaning paper. Daily MP dissolves the remains of UV and solvent based inks, left behind on the printing plates and is also ideal for cleaning machine parts.

Micro Fibre Sponges

Highly effective at removing stubborn ink particles from aniloxes thanks to micro fibres that get into the fine cells, works particularly well when combined with a Primaclean cleaning material.

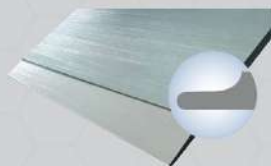


Plastic & Steel Doctor Blades



Wing Lamella®

Patented pre-honed doctor blades with extremely high printing definition such as tiny text, pictures, drawings etc. Featuring longer lamella life, slower and more uniform blade wear and reduced lamella bending with a nominal real working angle.



SC – Lamella

A standard pre-honed doctor blade with excellent printing definition under all conditions, fully satisfactory ratio of lasting quality and a quick run-in time thanks to a rounded tip Mirror Edge®.



TMC – Bevel

This straight bevel pre-honed doctor blade is ideal for high pressure working conditions (minimal blade deformation) making it perfect for short print lengths.



N – Round Edge

A rounded edge doctor blade with the highest rigidity makes it very long lasting. Run in time is relatively slow (depending on thickness) making it ideal for medium printing definition, full tones & when running course aniloxes.



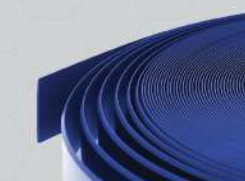
White Pearl

The original UHMW squeegee offers a dense molecular structure ideal for applications combining long runs, rough engraving and abrasive coatings. It is exceptionally abrasion resistant, has very good impact strength and chemical resistance with a very low coefficient of friction. It has been successfully used in the corrugated cardboard market for decades.



Black Pearl

The right choice for corrugated printers with an exclusive improvement on the traditional UHMW squeegee, designed for longer squeegee life and higher lines.



Black Diamond

The brand new black ultra-high performance UHMW squeegee is a combination of our BLACK PEARL with additions of graphite atoms and alumina. Suitable for long runs and very high resolution prints.



Opal

The OPAL polyester squeegee is a robust and durable squeegee that replaces steel. It is also very popular as a standard counter squeegee in the closed chamber system. It is the all-rounder in the printing and coating industry. It has high tensile strength and toughness, making it suitable for applications with high mechanical stresses. With its unique thickness of up to 1.5MM, it is unrivaled in the battery printing market.



Doctor Blade Cutter

This accessory is used to cut doctor blades of different sizes in a short time. It guarantees the precision and safety of the cut, easy to use with a millimeter scale that can be customized in size.

Seals

End seals for flexible packaging printing

Whether your goal is to maximize durability for large print volumes or to achieve clean and leak-proof printing with water-based or solvent inks, our portfolio of high-performance materials holds a suitable solution.



End seals for label printing

Although printing speeds tend to be moderate, UV inks have a relatively abrasive effect on the end seals. Typically, everyday printing is characterized by short runs and many job changes with the associated color changes.

End seals therefore need to offer high sealing efficiency with good wear-resistance and a price level that makes sense for frequent changes.



End seals for coating units in sheetfed offset

Coating units in sheetfed offset presses for inline coating of printed sheets operate on the principle of a flexographic printing unit with a chamber doctor blade system.

Typically, water-based coatings or UV coatings are used. Depending on the working load of the coating unit and the coating job structure, the service life of the end seals sometimes extends over weeks, so they must have good durability.



End seals for corrugated printing

Post printing of corrugated sheets is exclusively done with water-based inks. Depending on whether the end seal is used in an inline printing unit or on a special post printer, it is exposed to different levels of mechanical stress.

The end seals should therefore offer high resistance to water-based inks and corresponding cleaners and need to show high dimensional stability.



HTS Silicone Grease

Food grade silicone lubricant that is suitable for use in both low and high temperature environments. HTS is water-resistant, chemically inert, has excellent insulating properties and a very long lifespan in conditions where conventional greases fail.

HTS is odourless, tasteless, non-conductive and non-staining.



Plate Mounting Sleeves & Bridge Adapters

Coaxcyl Bridge Sleeve

Great productivity thanks to the rigid honeycomb structure & dampening layer. Smooth on press installation and quicker make readies due to the unique design & ball valves.

Carbon Bridge Sleeve

Higher printing productivity thanks to the structural damping properties and exceptional rigidity. The durable construction and reduced weight is especially useful on high wall thicknesses.

Coaxcyl EM

Honeycomb based structure, for consistent print results, easy handling and reduced bounce thanks to the built in dampening features. Designed to last long, for ease of installation and improved make ready times.

Type R - Durable & Stable Thin Sleeve

Light and stable structure for consistent print results & very easy handling. Durable register slots designed for high usage that keep precise registration in the long run.

Axcyllox - Anilox Protection Sleeve

The rough outer surface provides excellent manual handling and easy removal of anilox + Axcyllox on the press. The rubber edge immobilises the Axcyllox to protect the anilox face and a unique ID label simplifies traceability and identification of each anilox indicating the colour, volume and screen ruling.

INObridge® CH Hydraulic CFRP adapters

The INObridge® hydraulic CFRP adapter program is tailored to the requirements of everyday printing. The targeted use of lightweight and high-end materials reduces the adapter weight and enables an easy workflow and quick print job changes.

INObridge® CP pneumatic CFRP bridge adapter

High cost-effectiveness and efficiency with fast print job changes. The targeted use of lightweight and high-end materials reduces the adapter weight and enables an easy workflow and quick print job changes. It includes all common printing lengths and widths, and is designed for printing processes with a speed of up to 800 m per minute.

Chamber Doctor Blade Systems

NOVA XLS

Powerful, corrosion-resistant chamber doctor blade system made of stainless steel for medium to large web widths in flexographic printing

NOVA TK

Modular all-in-one chamber doctor blade system for maximum efficiency in flexographic printing up to 6000 mm printing width



Ink Handling Systems

EPQ 200 ink supply system

Compact and easy-to-use ink supply system for a balanced ink flow.



EPZ ink pump unit

Centrifugal pump unit for a continuous, pulsation-free ink supply, ideal for long and consistent print runs.



Rotogravure Blade Holder Models

Strip-Blade doctor blade holder

This squeegee holder model is made of 100% stainless steel and can therefore be used universally for all types of ink.

The doctor blade and support doctor blade are fixed in a riveted clamping bar, which ensures absolute straightness of the doctor blade for clean and thorough doctoring even at high pressure.



NewEdge® squeegee holder

The squeegee clamping bar has two rubber profiles that keep the squeegee absolutely straight and absorb any vibrations emanating from the machine. This ensures extremely high squeegee precision, even at high printing speeds and with complex print images.

The functional design of the holder without edges and corners also makes cleaning even easier.



Solvent/Water Recovery & Treatment Systems

Manual Recyclers

The LM-LMG models are designed to meet the needs of all companies that need to distill and recover polluted solvents from inks, pigments, oils or fats and have limited space. LM models use diathermic oil heating while LMG models feature a patented induction heating system.



Automatic Recyclers

The LMA-LMAG distillers are designed to meet the needs of larger companies wanting to recover solvents in bigger quantities through an automatic process. LMA models come with diathermic oil heating whilst the LMAG models are supplied with LM Green's patented induction heating system.



Ultrasonic Washing Tanks

The SIRIUS washing tank is suitable for cleaning both small aniloxes and sleeves from the narrow web arena as well larger rollers from the wide web printing sector. Featuring an ultrasonic system composed of piezoelectric heads in submersible transducer modules that can be inserted individually on the bottom of the tank to eliminate downtime and greatly simplify maintenance.



Washing Tunnels

The LIBRA washing tunnel is equipped for washing components from rotogravure and flexo printing machines, such as inking trays, side covers, ink tanks, racks, tools and various other components.



Industrial Water Treatment

The IDRA model industrial water treatment plants are designed to meet the needs of all companies that need to treat polluted water from industrial processes and reuse them in the production cycle. It allows the separation of the pollutant from the water through a chemical-physical process, with flocculant powder, and filtration. The system is composed of a reaction tank where the separation and thickening of the pollutant in flakes takes place.



Starlight System 50/100/200

The "STARLIGHT" technology allows the extraction of water from mixtures of water/ink- water/paint- water/emulsion through a "patented and innovative" technical principle which does not require chemical additives and uses low energy consumption.

Cleaning Equipment

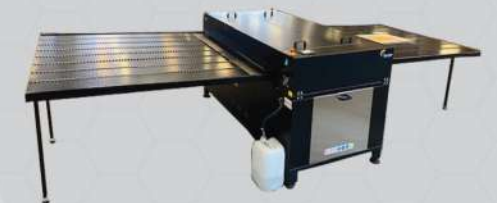
Plates - Basic Wash

A flexo plate cleaner available in 46-70-88 sizes, it is robust and extremely reliable. Equipped with two brushes (round and flat) and built-in recycler for the detergent and final rinse water.



Plates - Speedy & Fast Cleaners

These flexo plate washers are available in sizes from 46cm to 180cm to cover most industry sectors. Engineered for reliability, low maintenance and very low cost of ownership. Equipped with three brushes (two round and one flat) and built-in recycler for detergent and water for the final rinse. These cleaners are highly productive, feature maximum customization and are available in ATEX 2.



Plates - Vertical Fast

Vertical Fast has been designed and manufactured to wash very large photopolymer plates usually used in the paper and corrugated industries. The materials used for construction were chosen to guarantee the best protection against corrosion as all parts directly in contact with the chemicals are made entirely from the highest grade stainless steel. The structure allows an easy access to all the components and facilitates simple operation, inspection and maintenance procedures.



Anilox Cleaner Pro

High pressure anilox washer, made in sizes from 80cm right up to 400cm, suitable for any type of sleeve and/or monolithic anilox. The Anilox PRO is easy to use, very quick and allows washing of multiple aniloxes (optional). With the washing, rinsing and high-pressure drying steps, perfectly clean aniloxes are obtained every time with the utmost care.



Parts Washer SPW

This detergent based parts washer is made in three sizes 120-140-180cm and allows the washing of all parts related the printing press and process. It is suitable for all types of inks such as water based, UV or solvent based. The SPW is equipped with a 200ltr capacity detergent recycler and a 100ltr capacity water recycler for rinsing (Optional). The convenient stainless steel trolley on wheels allows for easy handling of all elements to be washed by one person. Also available in ATEX 2 version.



Anilox-Sleeve Trolley

Lightweight aluminium and steel structure make these trolleys easy to maneuver and being custom made they are available in different heights with either 8 or 10 anilox slots.



Corrugated Industry Solutions

Partners

Consumables

One-stop solutions for corrugators, including High-Speed Corrugated Cardboard Production Lines, Auto Splicers, Corrugating Rolls, Double Facer Belts, and all types of spare parts and consumables for corrugator factories.



Die-cutting Blankets and Anvil Covers

Designed to reduce installation time and streamline rotation, dayCorr® die-cutting blankets and anvil covers save both time and money.



Non Crush Wheel

The non-crush polyurethane sun wheel offers excellent elasticity and flexibility. When it comes into contact with cardboard, it evenly distributes pressure, preventing damage caused by excessive localized pressure, further enhancing the overall quality of the cardboard.



Feeder Wheels

The Lead Edge Feeder Wheel is essential for maintaining the alignment and flow of materials, while the Crush Wheel efficiently reduces particle size, preparing them for further processing. Together, these wheels form a reliable material handling system that can operate effectively under high-speed, making them ideal for high-speed applications.



Slotting Blades

These specially designed tools cut precise slots of specific shapes and sizes on corrugated cardboard. The accuracy of the slot size is crucial for the subsequent folding and assembly of the cardboard, ensuring that the various parts of the carton fit together perfectly and maintain overall structural stability.



The Solutions Division

Alliance Machinery acquired CV Print and Pak in 2023, the new solutions division supplies packaging printers in Sub Saharan Africa with a range of high-quality products and consumables for print quality enhancement and consistency, process stability and overall press and plate performance management.

Together, the team with well over 100 years' experience in the field of printing and process management guarantees customers a formidable one stop proficiency shop.

| Best in class equipment and products for the fastest return on investment |

| Full technical and process support by highly experienced industry specialists |

| Readily available stock, spare parts and consumables ex works |



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