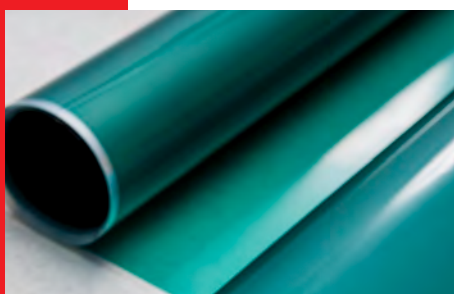
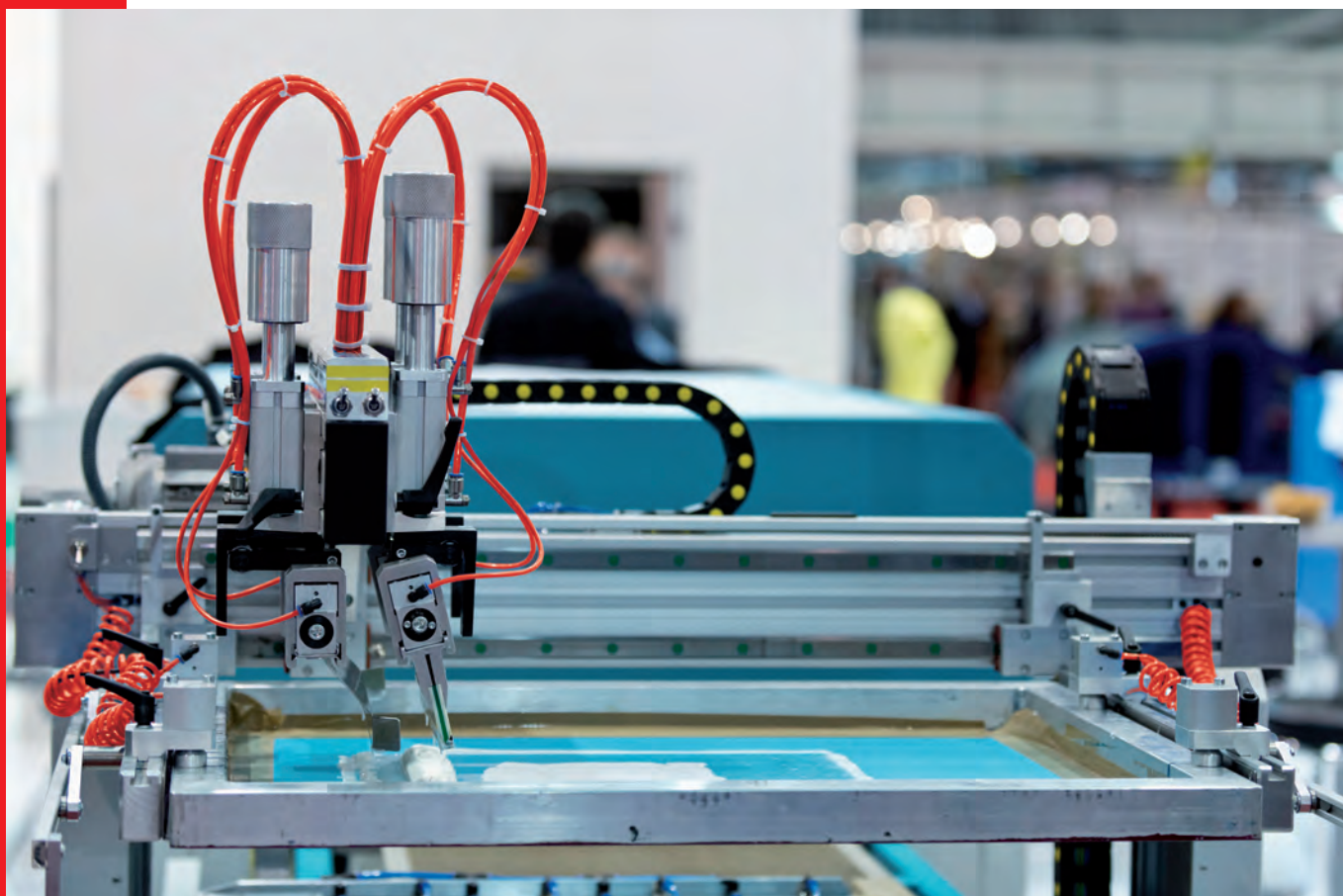


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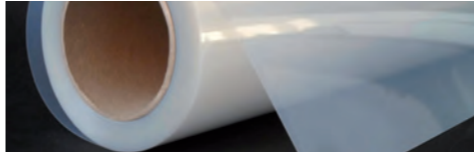







# Stencil perfection

Sales range screen printing



**ulano**

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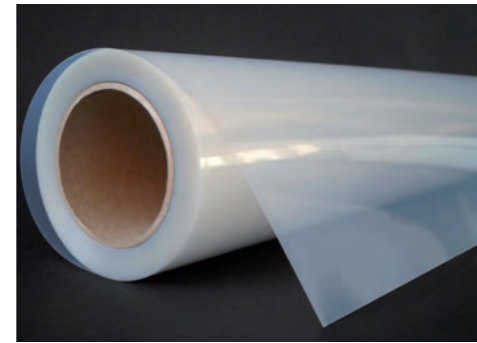


## 01 Pre-Press & Stencil making

### Pre-Press

#### Pigment Inkjet Film

Films for water-based pigment and dye inks. Instant-dry ink receiving layer. Has the ability to operate in full daylight conditions and is compatible with industry standard pigment or dye inkjet printers.



### Stencil making

#### ULANO Frame Adhesive Fast

A two-component screen adhesive for a highly chemical resistant bonding of screen meshes to frames made from aluminum, steel, wood and galvanized iron frames. It can easily be applied by brush. ULANO Frame Adhesive Fast is fast drying and after curing resistant to almost all screen printing inks and most cleaning agents. The adhesive film does not embrittle and does not cut the mesh if some of the adhesive has been brushed into the screen surface.

#### ULANO Frame Adhesive Catalyst Fast

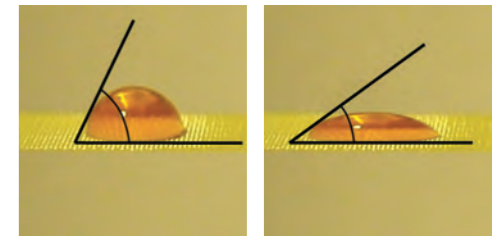
ULANO Frame Adhesive Catalyst Fast is a green coloured hardener for Frame Adhesive Fast.



## 02 Mesh pre-treatment

#### ULANO Magic Mesh Prep

Magic Mesh Prep is a ready-to-use liquid combining the properties of fabric degreaser, wetting agent, and antistatic treatment. It improves the flow characteristics of liquids, facilitating more uniform coating of direct emulsions and the easier transfer of ink during printing, thereby improving printed image quality. The improved wetting of fabric also promotes the adhesion of indirect and capillary films and improves the durability of all stencil systems, for longer printing runs. The antistatic properties of Magic Mesh Prep reduce the whiskering and feathering of ink when printing under low humidity conditions.



without

with

#### ULANO Degreaser (1:50)

A highly concentrated, acidic degreasing concentrate. Diluted up to 1:50 with water, the ready-to-use cleaning solution has excellent degreasing and wetting properties and is suitable for any mesh type. Screen degreasing concentrate has especially been developed for automatic screen washing units. It produces little foam and is a phosphate-free tenside combination for the removal of grease and dirt.





## 03 Photoemulsions

### Dual-Cure emulsions

#### ULANO LX 660 Red / Blue

ULANO LX 660 is a versatile and durable diazo-photopolymer (dual-cure) emulsion with superior resistance to water-based ink systems, as well as many solvent-based inks. It is suitable for virtually all general purpose graphics and industrial applications. LX 660 is available in red and blue colour. Solids: 36%, Viscosity: 7.000 mPas.

#### ULANO LX 892 Violet

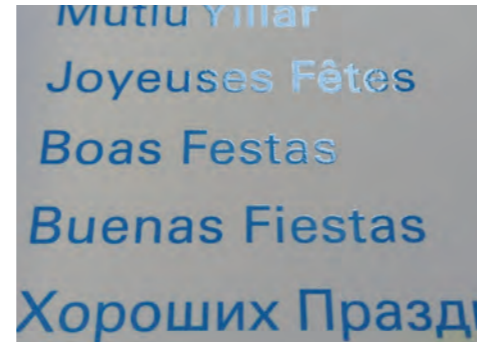
ULANO LX 892 Violet is used for the production of high-quality, water and solvent resistant screens for ceramics direct and textile printing stencils. The print run resistance can considerably be increased by chemical hardening with ULANO Hardener. Before hardening, ULANO LX 892 Violet is decoatable with ULANO Chemical Line products. Solids: 48%, Viscosity: 12.200 mPas.

#### ULANO Proclaim HR

ULANO Proclaim HR is a high resolution diazo-photopolymer (dual-cure) emulsion formulated to provide unequalled exposure latitude and ease of decoating, even if underexposed and used with aggressive inks and washup solvents. ULANO Proclaim HR is multi-purpose, fast exposing, and provides good acutance. It provides good stencil build per coat, excellent mesh bridging, and fast drying. ULANO Proclaim HR is very suitable for demanding graphics, electronics, and industrial applications. Solids: 35%, Viscosity: 7.500 mPas.

#### ULANO RLX

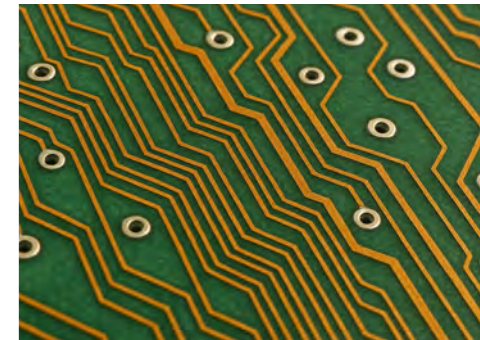
Multi-purpose diazo / acrylic photopolymer screen emulsion. ULANO RLX has broad exposure latitude, superior edge definition and resolution, and resistance to a wide variety of solvent- and water-based ink systems. ULANO RLX also possesses excellent coating properties, mesh bridging, stencil build per coat, drying speed, and durability. It has a high-contrast magenta color with superior resistance to humidity. Solids: 37%, Viscosity: 7.200 mPas.



### SBO emulsions

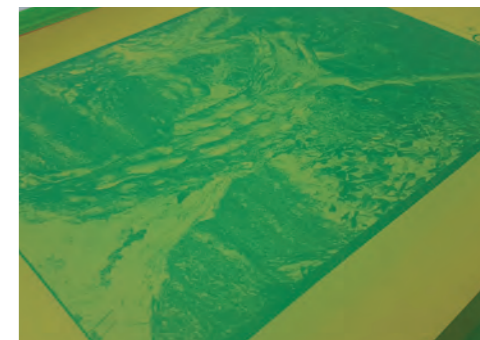
#### ULANO QX 3

Solvent resistant, one-component photopolymer emulsion. ULANO QX 3 is used for the production of high-quality, solvent resistant stencils. High resolution and excellent mesh bridging make it suitable for printing finest half-tones, lettering and designs (circuit boards, ceramic decals, bar-codes). Due to its relatively good water resistance it is possible to print smaller runs with water-based printing media, too. Solids: 37%, Viscosity: 7.000 mPas.



#### ULANO QX 5 Blue

Universal, ready-to-use, ultra-fast-exposing SBO-photopolymer direct emulsion. Its high viscosity provides good coating control. Its high solids content results in better mesh bridging on coarse mesh, and fast drying. ULANO QX 5 Blue is resistant to plastisol inks, most washup solvents, and some water-based inks, making it easy to reclaim in automatic stencil removal equipment or by hand. Stencils made with ULANO QX 5 Blue are extremely durable and will not become tacky under high humidity conditions. It is formulated to reduce stencil-making time in shops with high stencil throughput and its fast exposure speed will also be of interest to low volume printers with weak light sources. Solids: 41%, Viscosity: 4.100 mPas.



#### ULANO QFX Blue

ULANO's new top emulsion for functional screen printing and all highly demanding applications such as touch panels, membrane switches, printed electronics, security prints etc. This one-component photopolymer emulsion is characterized by very high exposure reactivity and is ideally suited for all CTS systems and for conventional film exposure. Its excellent solvent resistance makes it perfect for high-volume printing with solvent-based or UV inks. The very high level of detail resolution is remarkable, especially for the finest lines and halftone dot gradients. Solids: 35,5%, Viscosity: 7.000 mPas.



### Photoemulsions for textile printing

#### ULANO 925 WR-P

ULANO 925WR-P is a pale violet emulsion formulated for use with water-based textile inks. It produces tough stencils with total water resistance, as well as excellent resolution and superb edge definition. Screens made with ULANO 925 WR-P are easily reclaimable. Solids: 41%, Viscosity: 6.800 mPas.



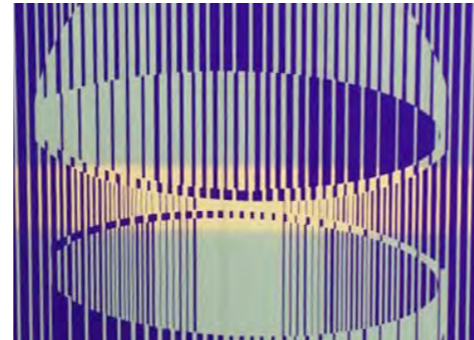
## ULANO QLT

ULANO QLT is a high-resolution, ready-to-use, fast-exposing SBQ-photopolymer emulsion formulated for imprinted sportswear printing. Its high viscosity provides good coating control and its high solids content results in better mesh bridging on coarse mesh, and fast drying. Its high contrast blue color affords easy stencil inspection. ULANO QLT is resistant to plastisol inks and most washup solvents, making it easy to reclaim in automatic stencil removal equipment or by hand. Stencils made with ULANO QLT are extremely durable and will not become tacky under high humidity conditions. It is formulated to reduce stencil-making time (coating, drying, and exposure) in shops with high stencil throughput. Its fast exposure speed will also be of interest to low volume printers with weak light sources. To increase the water resistance, an optional diazo is available. Solids: 41,5%, Viscosity: 6.200 mPas.



## ULANO Trifecta Blue / Trifecta Violet

Trifecta is a ready-to-use, extremely fast exposing and durable, SBQ direct emulsion in violet or blue color for garment, T-Shirt and sportswear printing. If properly exposed, Trifecta resists nearly all textile inks during short to medium runs. For longer printing runs, high resolution demand jobs and more aggressive inks, Trifecta stencils should be post exposed. To achieve optimum durability, Trifecta stencils should be exposed and post-exposed with sufficient UV-light. It is formulated for compatibility with all computer-to-screen (CtS) systems as well as for conventional UV-light exposure. For maximum resolution and wider exposure latitude, yellow mesh usage is recommended with conventional exposure systems and with CtS exposure units.



## ULANO QTX

ULANO QTX is a red coloured, ready-to-use, ultra-fast exposing SBQ photopolymer direct emulsion formulated for imprinted sportswear applications. Its high solids content provides superior coating properties, better bridging of coarse mesh, and fast drying. ULANO QTX is designed for plastisol inks, is extremely durable and reclaims easily. Solids: 46%, Viscosity: 5.300 mPas.



## High-Density emulsions

### ULANO QT Thix

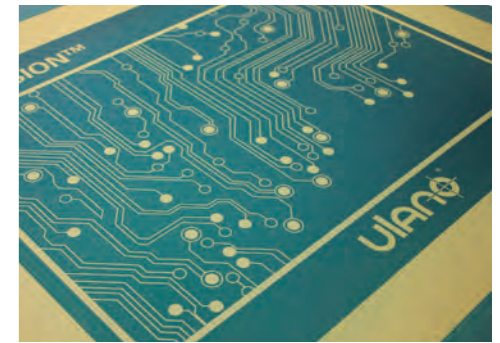
A red coloured, presensitized, extremely high viscosity emulsion for high density printing and other thick ink applications using plastisols, water-based or mild solvent inks. It's very high solids content is ideal for ultra-thick ink deposits. Even very thick, ULANO QT Thix stencils hold print details very well. QT-Thix is easy to reclaim. Solids: 52%, Viscosity: 25.000 mPas.



## 04 Capillary films

### CDF Vision (15, 18, 20, 25, 30, 35, 50)

CDF Vision is a green coloured diazo dual-cure capillary film. Its special formulation controls mesh penetration and enhances photo-polymerization, resulting in sharp printing shoulders and mechanical durability. Particulate-size control reduces granularity effects for optimal resolution and definition. Texturing agents impart a micro-structural pattern to the bottom of the stencil, minimizing hydrostatic attraction to the printing stock under conditions of high humidity, and electrostatic attraction under low humidity conditions. CDF Vision is compatible with UVs, vinyls, and virtually all solvent-based inks. Depending on the thickness selected, it is suited to such printing applications as: PCB and membrane switches, halftones, labels, ceramic decals, posters, Displays, bottles etc.



### CDF QT Thickfilm (100, 150, 200, 250, 300)

CDF QT Thickfilm is ideal for the production of thick stencils for specialty printing needs, including high density, puff, and lenticular effects for imprinted sportswear; peelable solder masks in the electronics industry; false mosaic and leading effects for glass and ceramic decorating, screen printed gaskets and seals; braille and many other manufacturing and decorating applications requiring ultra-thick ink deposits with non-aggressive solvent inks and pastes. CDF QT Thickfilm is red coloured.

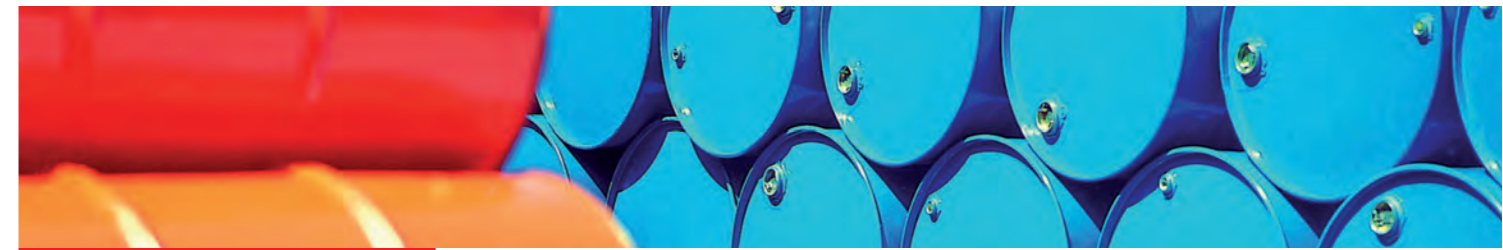




## 05 Screen fillers

### ULANO Screen Filler 65

Solvent resistant screen filler. It is used for retouching and blocking-out of solvent resistant stencils. It is fast drying and very quickly forms an elastic, very solvent resistant and abrasion resistant film.



## 06 Screen cleaning

### Manual cleaning

#### ULANO Press Wash

Solvent-based ink wash for manual usage "on-press-cleaning". ULANO Press Wash is a solvent blend that can be used to remove most screen process ink from screens, squeegees, printing tables etc. It has a mild odour, does not contain halogenated hydrocarbons, and will not affect most capillary films and direct emulsions.



### Automatic cleaning

#### ULANO Cleanmatic MF 12-2

A non hazardous water dilutable ink wash for solvent based inks, UV inks, plastisols and water-based inks for manual use or use in automatic cleaning units. ULANO Cleanmatic MF-12-2 can be diluted up to 4 times with water when used for the removal of plastisol or UV inks. Mixed with ULANO Stripmatic CF, a non hazardous stencil remover concentrate for manual use or use in automatic cleaning units, it removes ink and emulsion in one step.

#### ULANO SV 8

An universally applicable screen cleaner for the removal of commonly use non-hardened inks from the screen mesh. Especially for the use in in-line cleaning units. ULANO SV 8 is biodegradable, very mild in odour, has a high flash point and can be used for a very long time in the cleaning bath. Among others ULANO SV 8 is especially suitable for cleaning UV and solvent based inks, as well as plastisols.



#### ULANO SV 61

A solvent-based washup solution formulated for use in automated screen cleaning equipment. It is effective in removing paper, UV, glass, plastisol, solvent based and ceramic inks. ULANO SV 61 can be used under vacuum and is also suitable for manual usage.



## 07 Screen decoating

### ULANO Stencil Remover Paste No. 5

A ready-to-use paste for fast and thorough removal of direct emulsions and capillary films from all types of fabric including metalized polyester. Will not etch fabric; contains no strong alkalis or hypochlorides. Odor free. Thick consistency affords somewhat easier handling for larger screens.



### ULANO Stripmatic CF

A concentrated liquid (max. 1:20) formulated for use in automated equipment to remove direct emulsion and capillary films from screen. ULANO Stripmatic CF is acidified and contains special stabilizers to prevent the formation of precipitants if it is diluted in "hard water." It does not contain bleach, will not attack stainless steel, and has minimal effect on synthetic screen fabric. ULANO Stripmatic CF is odorless and colorless.



### ULANO Stencil Remover Concentrate (1:50)

A highly efficient, liquid decoating concentrate (up to. 1:50) for the removal of direct emulsions and capillary films from screens. ULANO Stencil Remover Concentrate (1:50) has especially been developed for automatic screen decoating units and does not crystallize in the units or tanks due to special stabilizers. It has no attack on stainless steel. ULANO Stencil Remover Concentrate (1:50) solutions are colorless and without odor, chlorine free, have very little attack on the mesh and do not bleach.



## 08 Mesh post treatment

### ULANO Actighost Rapid Gel

A viscous, alkaline screen cleaner utilizing biodegradable solvents. It is intended to be used after normal stencil decoating to remove any ink ghost images. It can also be used as an activator with oxidizing agents (such as ULANO Ghost Remover Advance) to remove emulsion residues. ULANO Actighost Rapid Gel is virtually odor free and has a high flash point. Its high viscosity facilitates its use on coarse mesh and its application to fabric using a coating trough or brush. In normal use, ULANO Actighost Rapid Gel is sufficiently diluted with water so that it can be flushed harmlessly down the drain and into biological sewage treatment facilities.





## About ULANO

ULANO is recognized as a world-class leader in the screen printing and graphics arts industry. Our administrative and manufacturing facilities are in Wiesloch (Germany) and Brooklyn (USA) where we also have research and development laboratories, applications laboratories, and technical training centers.

ULANO specializes in the manufacture of stencil-making products and chemicals for screen process printing. We also supply masking films, inkjet media, automated coating equipment, and stencil evaluation tools.



## Interested?

To find out more about ULANO and our range of products, please visit our website [www.ulano.eu](http://www.ulano.eu) or contact us by phone or email.

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