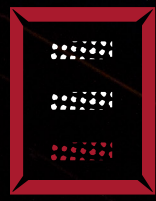BAS=LAYR
OUTPUT FILM

RIGHT CHEST
LEFT CHEST

BAS=LAYR
DARKROOM EQUIPMENT

INTERACTIVE
HYPERLINKS INSIDE

EXPOSURE UNITS

Everything starts and ends in the darkroom. Build a solid foundation from the screen up with Baselayr LED Exposure Units.

LED bulbs are the new standard for exposure units. Their spectrum of light output and wattage speeds up the screen-making process and improves the quality of the stencil. These LED bulbs output the same optimal UV wavelength (405nm), which can be used on all types of emulsion. LED bulbs will last more than 10,000 hours, which is better for the printer and the environment.

The optically clear glass in a Baselayr exposure unit lets more than 99% of the UV light through without disruption to the wavelength. The exposure unit will burn screens faster compared to spiral UV bulbs. With a dialed-in darkroom and screens that have been coated and dried properly, printers can push more detail resolution compared to traditional UV bulbs.

FEATURES:

- LED bulb technology
- Lightweight laser cut and formed aluminum frame
- Designed for 16"x20" frames, but works up to 20"x24" OD frames
- Note the edge of a larger frame will hang off the edges of the exposure unit along with some of the emulsion
- Push-button on/off operation (No timer)
- 6-foot, 3-prong power cord
- Includes a foam pad for easy, on-contact exposing
- Three-year limited warranty (please see manual for details)
- Made in the USA
- Exposure calculator included

BASELAYR X1620 LED EXPOSURE UNIT - 16X20IN
SKU: EUST-X1620

BASELAYR X2536 LED EXPOSURE UNIT - 25X36IN
SKU: EUIN-X2536

FEATURES:
- Thick, aluminum compression lid with a center stiffening rib
- LED 405nm bulb technology
- Durable, powder-coated, steel construction
- IEC power cord port with an easy-to-access on/off switch
- Gas shocks hold the lid in an open position 80LB shock
- Optically clear, strong, tempered glass
- Includes a two-inch foam pad for easy, on-contact exposing
- Three-year limited warranty (please refer to the manual for more details)
- Made in the USA
- Exposure calculator included

BASELAYR V2331 LED EXPOSURE UNIT - 23X31IN
SKU: EUPO-V2331

FEATURES:
- LED 405nm bulb technology
- Digital timer for accuracy
- Sturdy powder-coated steel construction
- EC power cord with easy access to an on/off switch
- Flexible and durable rubber vacuum blanket
- Heavy-duty gas shocks
- Adjustable vacuum lid clamps
- Optically clear, strong tempered glass
- Two, light-safe T8 LED amber inspection bulbs
- Oil-free vacuum pump
- Includes nylon rope to allow air movement between the blanket and frame
- Three-year limited warranty (please refer to the manual for more details)
- Made in the USA
- Registration template included
- Exposure calculator included

BASELAYR V3648 LED EXPOSURE UNIT - 36X48IN
SKU: EUPO-V3648

FEATURES:
- LED 405nm bulb technology
- Digital timer for accuracy
- Sturdy powder-coated steel construction
- EC power cord with easy access to an on/off switch
- Flexible and durable rubber vacuum blanket
- Includes a two-inch foam pad for easy, on-contact exposing
- Heavy-duty gas shocks
- Adjustable vacuum lid clamps
- Optically clear, strong tempered glass
- Two, light-safe T8 LED amber inspection bulbs
- Oil-free vacuum pump
- Includes nylon rope to allow air movement between the blanket and frame
- Three-year limited warranty (please refer to the manual for more details)
- Made in the USA
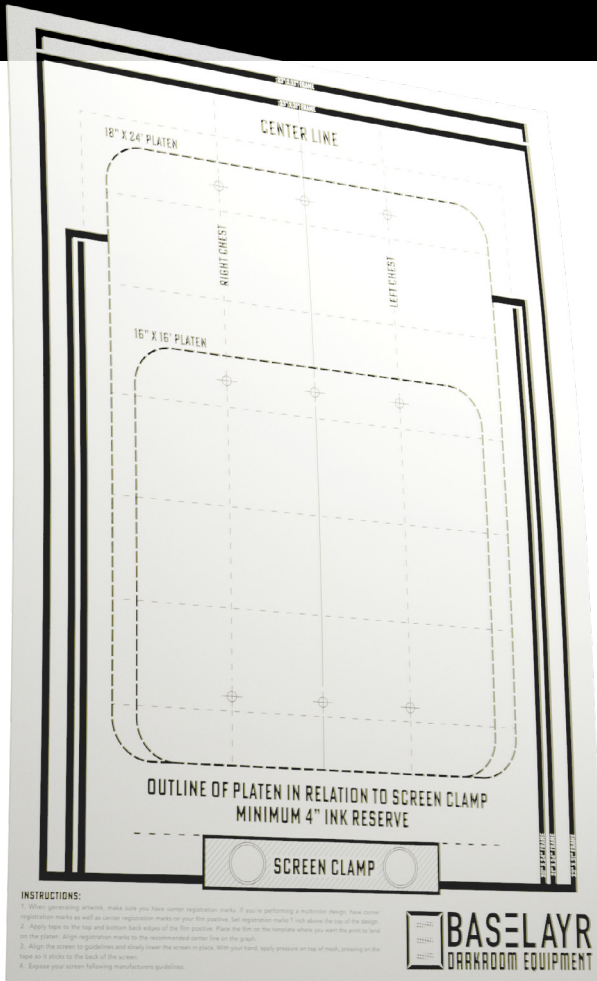- Registration template included
- Exposure calculator included

BASELAYR Y3942 LED EXPOSURE UNIT - 39X42IN
SKU: EUPO-Y3942

FEATURES:
- Vacuum pump achieves positive contact in 20-30 seconds
- Vacuum lid creates the tightest positive contact between the light source, glass, film, and emulsion that produces stencils with clean, sharp edges
- LED light sources exposes screens rapidly compared to UV bulbs
- LED enhances the amount/levels of possible details captured compared to UV bulbs
- LED creates a harder, more durable stencil, providing better on-press longevity
- Doubles as an inspection table and exposure unit
- Low power consumption
- LED bulbs last more than 10,000 hours, so you don't have to replace them as often
- Registration template included
- Exposure calculator included

EXPOSURE UNIT ACCESSORIES

BASELAYR REGISTRATION TEMPLATE
SKU: EUPO-V3648

Baselayr's Pre-Registration Template Transparencies are specifically designed to save time and ultimately money during the setup and exposure process. Film alignment is critical to quality work and optimal production. How many times have you had to re-burn screens, shim presses, and waste hours of your valuable time trying to force something to work? If the film had the right placement from the very beginning, none of this would have been a problem. Use Baselayr's Pre-Registration Template Transparency to align your films before they ever get a chance to give you a headache.

BASELAYR 21-STEP EXPOSURE CALCULATOR
SKU: DRAC-T2115

Baselayr's Exposure Calculator is the easiest way to ensure durable stencils every time. In a single exposure, this 10-step guide tells you how to adjust your exposure time for complete stencil curing. Measuring only 1/2" x 3 3/4", it will fit on your production screen without interfering with other graphics.

OUTPUT FILM

BASELAYR Output film is an inkjet transparency film that allows screen printers to output films faster and more economically. The film is **dimensionally stable**, leading to consistent, smooth registration every time. Its **nano-porous**, instant dry, inkjet coating captures clean imagery. Printers will experience fast drying times, letting them work that much faster. With a variety of sizes available, printers will be equipped for whatever job comes their way. Elevate your darkroom with Baselayr Waterproof Film today.

100 SHEET PACK OF 8.5" X 11"
SKU: FOFL-WP8.5X11-BL

100 SHEET PACK OF 13" X 19"
SKU: FOFL-WP13X19-BL

13" X 100' ROLL
SKU: FOFL-WP13X100R-BL

17" X 100' ROLL
SKU: FOFL-WP17X100R-BL

24" X 100' ROLL
SKU: FOFL-WP24x100R-BL

DARKROOM EQUIPMENT

BASELAYR 20 SLOT SCREEN RACK
SKU: PRAC-BLRACK

Execute screen preparation with the Baselayr Screen Rack. This tough-built rack is designed to fit into any darkroom space. The single-piece rack features sturdy locking casters for easy movement around your shop, 20 slots for max screen storage, and a robust tray top for a powerful combo of screens, inks, and supply storage.

Store 20 of 20 x 24 inch or 23 x 32 inch screens. The bright red powder coat elevates your darkroom and compliments other Baselayr equipment. Take charge in your darkroom with the Baselayr Screen Rack.

Assembled: 27.5" W x 24" D x 51" High

FEATURES:
- Holds 20 screens: 20 x 24 inch or 23 x 32 inch screens
- Red powder-coated cross bars
- Light weight aluminum screen slats
- Removable 2" wheel locking casters with 3/8" coarse thread stud
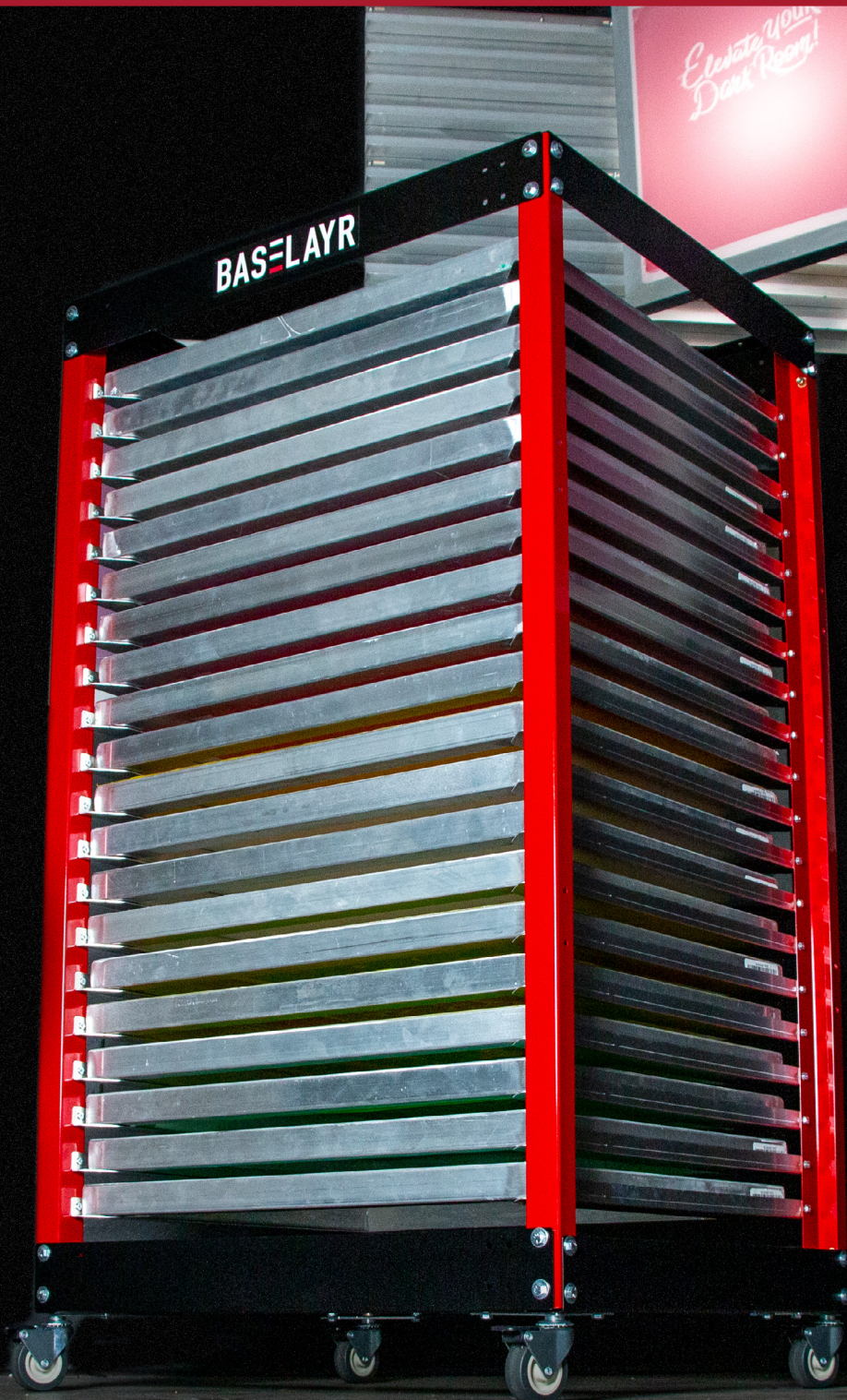
ALUMINUM FRAMES

Looking for high-quality, pre-stretched, aluminum screens? You've come to the right place. Baselayr offers a vast selection of aluminum screens, varying in mesh count, frame size, and mesh color.

The advantage of aluminum frames is the durability and longevity they retain. All aluminum frames are constructed of the highest grade aluminum and hand welded in the USA. Aluminum frames will not warp when exposed to water in a dip tank or washout sink. You'll have a flat frame through thousands of prints to come. Aluminum frames are also light-weight which makes shipping less expensive.

16" X 20"
Mesh counts: 86, 110, 156, 200

20" X 24"
Mesh counts:
24, 38, 60, 86, 110, 125, 156, 200, 230, 280, 305

23" X 31"
Mesh counts: 60, 110, 125, 156, 200, 230, 280, 305

25" X 36"
Mesh counts: 110, 156, 200, 230, 305

38" X 40"
Mesh counts: 200

42" X 48"
Mesh counts: 156, 230

WHITE MESH HELPS EMULSION EXPOSE FASTER, REDUCING TIME SPENT IN THE DARKROOM

YELLOW MESH CAUSES LITTLE TO NO LIGHT SCATTER, WHICH MAINTAINS FINE DETAILS OF THE DESIGN

38 & 60 MESH COUNTS

Mesh counts below 110 are mainly used for specialty printing like glitter and shimmer inks. These inks have flakes, which can get caught in the mesh of a screen if your mesh count is too high, and none goes onto the shirt itself. Glitter inks have larger, more obvious flakes to them, while shimmer inks will have smaller particles to give a more subtle look. Mesh counts like 24 or 38 are ideal for glitter inks, but you can go up to a 64 mesh.

110 MESH COUNT

The 110 mesh count is will lay down a fairly thick layer of ink. This mesh is great for block text letters and larger spot color designs. It's also a recommended mesh for an underbase because you will only have to do one pass, which speeds up production.

125 MESH COUNT

125 mesh is one of the most common mesh sizes in screen printing. It works great for printing white ink and other colored inks that have a thicker viscosity. This mesh is great for block text letters and larger spot color designs.

156 MESH COUNT

156 mesh is great for general purpose textile printing with basic to semi-fine detail. They will hold a little finer detail than 110 mesh and also work well with thinner inks.

200 MESH COUNT

200 mesh counts are great for printing more detailed prints that need a thinner layer of ink to be laid down than a 156. They work well with thinner inks and help to keep the inks from flooding onto the garment. Printers that want a softer-hand feel with plastisol ink can use this mesh count to achieve that feel, but it may reduce the ink's opacity.

230 MESH COUNT

The 230 mesh screens are great for printing thinner inks like discharge or water-based. A 230 mesh can hold halftones well while letting more ink through than a 305 mesh could.

280 MESH COUNT

The 280 mesh screens are great for printing thinner inks like discharge or water-based. A 280 mesh can hold halftones well while letting more ink through than a 305 mesh could.

305 MESH COUNT

305 mesh is used for jobs with the highest level of detail, and fine halftone four-color and simulated process prints. Fine halftone dots need very high mesh counts in order to hold and expose properly. Otherwise, as stated before, the halftones and lines will simply fall through the mesh, leaving you with a less than desirable image to work with.