

EQUIPMENT

for High-resolution graphics and ADA-compliant signage.

Produce
Film Artwork



Process
Signs



Cut with
Precision



Stamp Colors
& Metals



NOVACRYL[®]
Washes out in plain tap water.



EQUIPMENT

Film Generation

Liberator GMAX

OYO Instruments' thermal imagesetters let you produce film separations right in your own shop... without a darkroom, without a processor and without chemicals. They are cost-effective, user-friendly and deliver long-lasting performance.

The new Liberator GMAX Series is built using OYO's latest innovative and proprietary technologies. Closed Loop Registration (CLR) control gives you accurate registration overlay and Multi-Level Pulsing (MLP) delivers consistent dot quality. OYO's Liberator GMAX Thermolmpression Systems help you meet bigger demands more efficiently, while producing full-size film up to 54 inches wide (600 x 600 and 600 x 1200 dpi).



Liberator GMAX 54
Max Size: 54"x 53.75"
115 or 230 volt/VAC/50-60hz.
Size: 21" L x 63"W x 11.25"H
Weight: Approx. 232 lbs.

TECHStyler™

The OYO TECHStyler™ Wide-Format Thermal Imagesetter produces exceptionally affordable, wide-format film output up to 14" wide (600 x 600 dpi). The TECHStyler Thermolmpression System includes either a Harlequin or Wasatch software RIP solution. Both RIP packages offer PostScript® compatibility, while also supporting PDF, TIFF and EPS file formats. Each system configuration also includes traditional PostScript halftoning, as well as stochastic screening algorithms.

Photopolymer Processor

Orbital X

The Orbital X is an all-in-one system that processes water-washable photopolymer sign material. This stack-style processor features an orbital washout, an exposure section, a three-drawer dryer and a post exposure section. Any of these features can be customized to tailor the system for your specific operation.

Made in the USA, the Orbital X is simple to use and versatile. Components are easily accessed (including the light drawers) from the front of the unit. Safety features include "ground fault" protection, component fuses and a safety switch for UV lamps. The washout section is stainless steel to prevent corrosion.

A dual orbital-action platen provides efficient and smooth washout and a digital timer assures accurate washout times. The brush height is adjustable to suit your sign gauge requirements. The exposure section is located in a drawer below the washout section and is equipped with a digital timer, vacuum pump and electronic solid-state ballasts. A thermostatically-controlled, 3-drawer dryer uses forced air to efficiently dry the sign material. Each drawer is mounted on its own drawer slides.



Max. Sign Size 24"x 30"
220 volt/single phase/60hz.
Size: 40" L x 42"W x 48"H
Weight: Approx. 720 lbs.

Precision Cutting

3001 Series

The 3001 Series of Guillotine Shears offers the extra precision and power of a larger commercial guillotine shear in a smaller, more affordable bench shear. Available in 13" or 19" sizes, the classic guillotine design has been modified to provide convenience and flexibility.

Many lighter-weight shears move during use and are difficult to use. The 3001 Series shears are constructed to industrial standards. Their size and mass deliver impressive, long-lasting performance. The 13" shear weighs 85 pounds, and the 19" shear weighs 105 pounds. Most of the weight is in the guillotine action that is made primarily of steel. The shear cuts aluminum and plastic with little effort, but the real strength and quality of the design are evident when cutting harder materials. A full width cut is flat and square and may be made by the most timid operator.

The 3001 Series was designed by accucutter® and is an accucutter® exclusive. These shears are made in the USA entirely of American materials.



13" Shear
Weight: Approx. 85 lbs.
19" Shear
Weight: Approx. 105 lbs.

Hot Stamping

KOBO TC-Series

Create stunning graphics with KOBO TC-Series hot stamp machines. Instantly apply color and metallic effects to painted or unpainted raised ADA-compliant photopolymer graphics. No cleanup or chemistry is required.

These units feature heavy-duty cast construction for long-lasting performance. The coil heating element provides level temperature across entire heated area. A vulcanized 70 durometer silicone pad is attached to the heated area to provide level foil transfer to irregular surfaces affected by paint or overall thickness.

Best of all, these machines are user friendly so even a novice can produce professional results.



Hot Plate Size 12"x 7.6"
Work Table Size: 12.5" x 15"
200 volt/single phase/15 amps.
Size: 26" L x 23"W x 36"H
Weight: Approx. 450 lbs.

Process Steps

- 1 ➤ Expose low voltage UV light through a film negative to harden the area of the polymer you want tactile.
- 2 ➤ Wash away the photopolymer that was protected by the film negative in tap water
- 3 ➤ Evaporate standing water from sign in a low temperature drying rack contained in the exposure unit.
- 4 ➤ Post expose to complete the finishing process of the sign.

Photopolymer is an efficient, environmentally conscious and innovative material used for way finding and ADA Compliant signage.

Film Negative ➤
.0325 Photopolymer ➤
Sign Base ➤



NOVACRYL®

High-resolution graphics and ADA-compliant signage.

Too often, signs are produced as an afterthought, rather than complementing a building's design. Until now.

NovAcryl ADA-compliant signage gives architects and sign designers the creative freedom to make signs part of a building's design. With NovAcryl, the sky is the limit when it comes to colors, patterns, textures and finishes.

Plus Nova Polymers is committed to supplying the architectural design and sign fabrication industry with a complete selection of environmentally-friendly materials for ADA-compliant signage. Why? Because we recognize what is good for the environment is good for our business and good for our industry.

Our complete line of NovAcryl® high-resolution graphics and ADA-compliant signage processes in plain tap water. It is environmentally friendly and user friendly, without sacrificing quality or selection.

Washes out
in plain tap
water.

ECR-series: Nova Polymers has partnered with 3form®, recognized worldwide for innovative materials offered to architects and designers, to develop one of the most imaginative product lines ever introduced to the sign industry. Nova Polymers bonds its clear photopolymer to 3form's Varia™ series material to create sign solutions as diverse as your imagination. This new series broadly expands the selection of colors, patterns, textures and finishes now available for ADA-compliant sign fabrication.



PT™ series: NovAcryl® PT™ series is recyclable and biodegradable. With a clear base and 8 different gauges, NovAcryl® PT™ is the most versatile line of signage photopolymer ever introduced.



LP™ series: If you prefer marbles and granites, wood grains, plus hundreds of colors and patterns, there is NovAcryl® LP™ series. This popular material bonds to laminates made by leaders in the industry, including Pionite®, Wilsonart® and Formica®. And it all processes in plain tap water.



Color™ series: NovAcryl® Color™ is the first photopolymer raw material manufactured in TEN standard colors. Turn photopolymer sign making into a standard shop process with NovAcryl® Color™ and an economical hot foil stamp unit.

YA 125 series Interior Aluminum Photopolymer: YA125 consists of the same moisture-resistant, nylon based photopolymer layer as found on NovAcryl®. The clear adhesive layer allows for a brushed aluminum face appearance. YA 125 may be installed in unregulated interior environments.



Ex™ series: NovAcryl® Ex™ photopolymer is the industry's first pure, exterior-grade photopolymer resin. Its unique synthetic rubber monomers are exterior rated immediately after initial exposure to UV light. NovAcryl® Ex™ is compatible with all exterior paints and requires no extended treatments.



Nova Polymers is the largest U.S. manufacturer and distributor of photopolymer sign products.

Nova Polymers 
DISCOVER THE POSSIBILITIES

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