

Chemistry



Solutions

Technology teamed with safety for today's environment.



Image Technology Inc.

Providing solutions for today's screen printing challenges.

The printing industry has seen vast changes in screen printing chemistry over the past 10 years. We've been challenged to reduce the emission of volatile organic compounds (VOCs) into the atmosphere, to address contamination of effluent, and to minimize employee handling risks.

*Today, Image Technology is proud to lead the way with a line of **biodegradable non-flammable, non-hazardous chemicals and specialized equipment** which aide in the screen reclamation process. Let us help you incorporate the latest chemical technology into your screen printing operation.*

Enhanced product performance

When you use the Image Technology line of chemicals your products are fully compatible, preventing adverse reactions such as stencil breakdown or hazing problems.

Our broad line includes high-performance concentrates and ready-to-use formulas. Your Image Technology representative can review our product selection guide with you and help identify key product properties so you know you're getting the right product for your particular needs.

As a manufacturer of chemistry, we can provide you with special product blends/formulations to fit practically any application, all within the stringent regulations imposed by local governments.



Press Wipes

Our breakthrough chemical technology has revolutionized the press wash process, in many cases actually eliminating the need for haze removers. Here are some features of these non-hazardous, non-carcinogenic products:

- Low VOC complies with OSHA and SCQMD regulations.
- Non flammable, non-hazardous for safer handling and storage.
- Fast evaporation allows for immediate screen taping.
- Will not attack polyester, nylon mesh or aluminum.
- Very low odor.

Ink Washes

Image Technology all-purpose biodegradable ink degradants are designed to effectively emulsify all inks, including plastisol, UV and conventional inks.

Solubilizes ink without attacking the frame, mesh or stencil system.

- Low VOC complies with OSHA and SCQMD regulations.
- Non flammable, non-hazardous for safer handling and storage.
- Some feature surfactants to eliminate the degreasing stage.
- Very low odor.
- Can be used in recirculating tanks, ink washers and reclamation units.

Stencil Removers

The line of Image Technology odorless stencil removers penetrate and dissolve all types of emulsions such as direct, indirect and pure photopolymer.

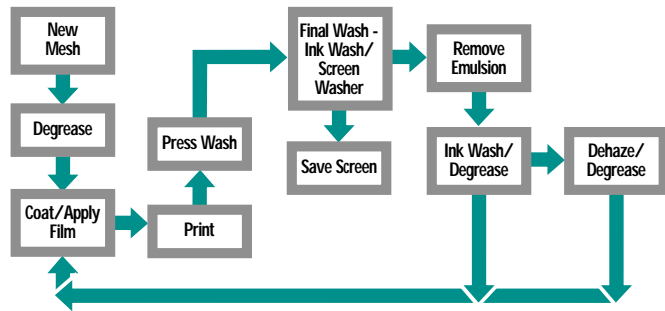
- Available in concentrates and ready-to-use formulas.
- Special formulations will not crystallize.
- Contain degreasers to eliminate one reclamation step.
- Can be used in reclamation units.

Haze Removers

These biodegradable low odor products are designed to remove diazo stains, ink residue, and squeegee and flood bar marks from screens.

- Low-caustic formula is biodegradable and will not attack mesh or frames and is gentle on skin.
- Non-caustic formula available.
- Include a degreaser.
- Very low odor for more pleasant use.

Image Technology Advanced Process Chart



Environmental and Employee Safety

Image Technology chemicals are biodegradable, non-carcinogenic, and contain low or no VOC. We've reduced the risk of solvent vapors and chemical burns without losing product performance, and in many cases actually attain better product performance with less product use. Another environmental plus!

Simplified Storage and Handling

Image Technology products are non-flammable, non-hazardous with low fire ratings and health ratings; they require no special storage such as fire cabinets. Because they are biodegradable, in most states they require no special handling or disposal. All this means lower operational costs for screen reclamation.

Process Engineering

With so many different products on the market and changing environmental regulations, you need a chemical manufacturer who can keep you informed and also assist you with regulatory agency situations.

We have the technical expertise to design and engineer your screen and pre-press department, improving your process flow and overall productivity, and lowering your cost per screen.

Our specialized equipment minimizes employee exposure to chemicals and helps to reduce chemical disposal issues, a goal for the Design for the Environment Program.



Image Technology was a supporting manufacturer of the Design for the Environment Screen Printing Project with the U.S. EPA. We are also a supporting member of SGIA and SPTF. Our ongoing commitment to the industry, as well as our concern over environmental and employee safety, has led to the development of many new biodegradable, non-hazardous non-carcinogenic chemicals. We will continue to seek out viable alternatives in the new millennium.

Degreasers/ Wetting Agents

Image Technology screen degreasers are recommended for newly stretched screens to remove manufacturing oils and contaminants picked up during handling and transportation, or for **applying capillary film**. Also recommended for reclaimed screens.

- Highly concentrated fabric neutralizers eliminate screen mesh contamination on all types of fabric.
- Help improve adhesion and eliminate pinholes.

Blockouts

Image Technology carries a water-soluble blockout for textile use and a solvent-resistant blockout for graphic applications.

- Fast drying.
- Excellent resistance to squeegee abrasions.
- Will not break down on press.
- Easily reclaimed.

Spot Removers

Image Technology spot cleaning liquids remove water-based and plastisol inks from garments.

- Special low odor, triple-blend formula is non-carcinogenic.
- Non-staining.

Emulsions

Image Technology carries two pure photopolymers and a dual-cure emulsion.

The **pure photopolymer** is a very fast exposing emulsion with wide exposure latitude. It is easily reclaimed and is resistant to high humidity and abrasions. Has a 1-2 year shelf life.

- **ITX for textile** – primarily used with plastisol inks. Has a high solids content (42-44%) and high contrast to red pigment.
- **ITG for graphics** – primarily used with conventional and UV inks. Has a high solids content (36-38%) and a high contrast color. Available in red or blue

Our SE-2000 dual-cure emulsion is a fast drying photo emulsion resistant to both solvents and water and can be used with all ink systems. Since it is partially sensitized, it should be handled only in a safe light environment. Diazo is added the normal way.



Specialty Products

Adhesive: Our water-based spray adhesive exhibits good tack and peel shear. It has excellent hot and cold stability, is non-irritating, and has low odor. Works effectively with the Image Technology spray system and belt printing applications.

Belt and Pallet Cleaner: This biodegradable product solubilizes and emulsifies pressure sensitive adhesive from belts and pallets.

Bucket Wash: A high loading, low evaporating, biodegradable product designed to effectively remove all types of inks

from buckets. To maximize product longevity, use in part cleaning and squeegee cleaning units.

Equipment Cleaner: A low odor, biodegradable, non-flammable cleaner that quickly removes all types of inks and adhesives from equipment without attacking equipment finish.

Frame Glue Remover: This biodegradable, non-carcinogenic formula effectively removes instant adhesives and two-part adhesives from frames. Eliminates scraping and sanding of screens. Available in a liquid or paste.

Floor cleaner: An effective blend of non-flammable, biodegradable ingredients that quickly penetrate and emulsify dry inks, adhesives and soils from washable surfaces. Concentrate can be diluted or used full strength on tough stains.

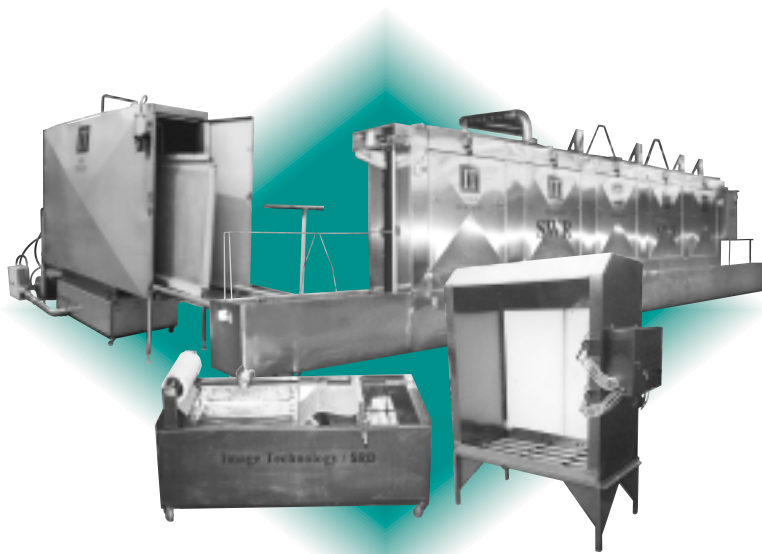
Glass Cleaner: Works as a multipurpose cleaner. Our non-streaking formula is especially good on glass in exposure units. Concentrated for maximum value.

Waterless hand soap: A rich, highly concentrated lotionized hand soap that contains no harsh alkalis. May be used frequently without irritation to the skin.

Scrub brushes: Aids in the effective removal of inks and stains from screens. Available in different sizes and in soft, medium and hard pads.

Screen tapes: Easy peeling tape will not leave glue residue on screens. Available in 60 and 110 yard rolls; 2, 3, and 4 inch sizes.

- Blockout tapes for wooden frames.
- Split liner tapes for metal frames.



In addition to our chemical line, Image Technology manufactures custom-built equipment for the screen printing industry, equipment that helps improve efficiency, and reduce labor and chemical waste. Our equipment features:

- Quality stainless steel construction.
- UL listing.
- Built-in safety features.
- Money-back performance guarantee.

Additional information is available on the following equipment:

- Reclamation units
- Ink washers
- Bucket washers
- Squeegee washers
- Screen dryers
- Water treatment units
- Filtration systems
- Washout sinks
- Recirculating units
- Pressure washers

U.S. distribution network: In addition to our vast distributor network, Image Technology has four stocking locations to ensure product can be delivered to any location in the U.S., Canada or Mexico within 2-3 days—Los Angeles, Atlanta, Minneapolis and Tampa.



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