



**HYDRO ENGINEERING
INC**

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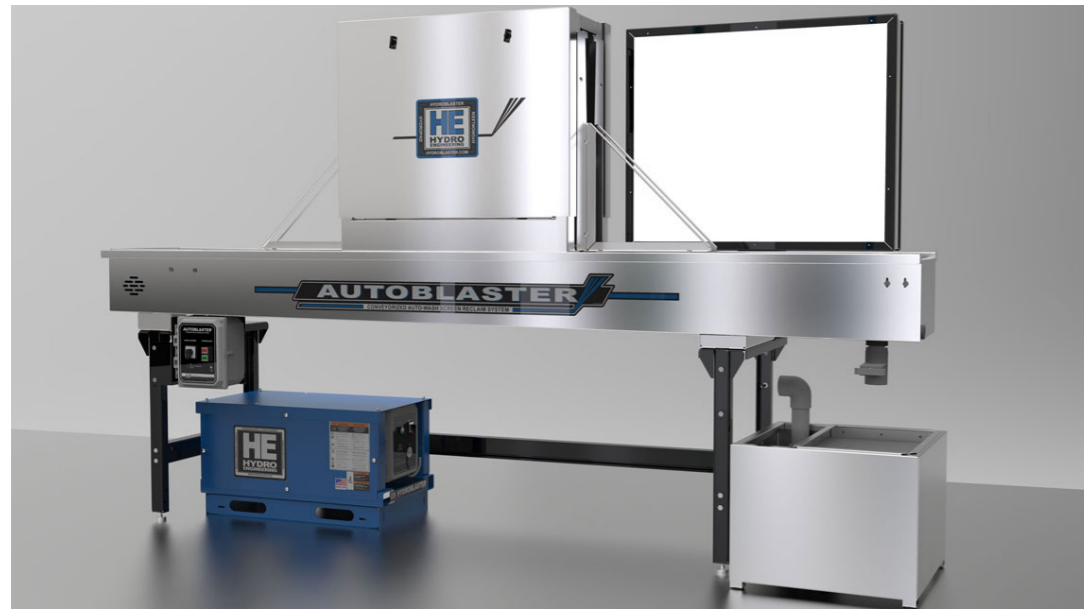
SCREEN RECLAIM SOLUTIONS



AUTOBLASTER

Automatic Screen Reclaiming

Screen reclaiming is no longer the worst job in screen printing! Autoblaster is a tool that provides perfect screen reclaim results with every screen reclaimed. Automate screen reclaiming, reduce employee exposure to overspray and chemicals with the affordable Autoblaster!



A Little HISTORY

In 1980, Hydro Engineering, Inc. set the standard for screen reclaiming with the introduction of a 3,000 PSI Hydroblaster that could remove ink and emulsion without damaging the screens and with little to no chemicals.

A side benefit emerged with high-pressure reclaiming. All contaminants (ink and emulsion) removed from screen by high pressure came off screens as solids. As solids these contaminants were easily removed from the waste stream by mechanical filtration methods while sending clarified water to the sanitary sewer.

This process was first patented in 1989. It included use of a 3,000 PSI Hydroblaster along with a washout wastewater collection booth and filtration equipment. It was allowed as a method patent for "reclaiming silk screens".

In 1994 a cooperative project between the U.S. Environmental Protection Agency and the Printing Association Nationwide completed a study that looked at risk, performance and cost as it applied to screen reclaiming. Hydro Engineering, Inc's screen reclaiming method was overwhelmingly successful in reducing risk and cost while enhancing performance.

Hydro Engineering Inc's product development team is proud to introduce - Autoblaster, automatic screen reclaim system.

SIMPLE FACTS ABOUT OUR COMPANY

STARTED ON // 1980

STAFF NUMBER // 72

PROJECTS // 1000+

DEPARTMENTS // 6



WE HELP YOU BUILD THE RIGHT INTEGRATED STRATEGY, FIND THE RIGHT SOLUTIONS AND DELIVER BEST PRODUCTS.

Our CERTIFICATIONS

ISO 9001:2015

Quality Management System

UL 1776

Pressure Washer Safety Standards

UL 979

Water Treatment Appliances

UL 61010-1

Electrical Equipment Safety

AUTOBLASTER

Automatic Screen Reclaim System

“ Autoblaster cleans screens in 1-2 minutes, making it possible to reclaim hundreds per day, with perfect consistency. ”

Autoblaster design provides a safer, simpler and extremely cost effective tool for reclaiming screens.

Goals in design of Autoblaster were to eliminate hand held pressure washers that place operators in an environment where chemical and overspray is considered hazardous, and to eliminate operator fatigue and inconsistency in screen reclaim quality. Autoblaster is a tool that provides perfect screen reclaim results with every screen reclaimed

Hydro Engineering final goal for Autoblaster was cost! Start up shop to those doing very high volume should look into automating screen reclaiming. Buy or lease, we have a plan that will work for you.

For those requiring solids filtration prior to discharge of wastewater:

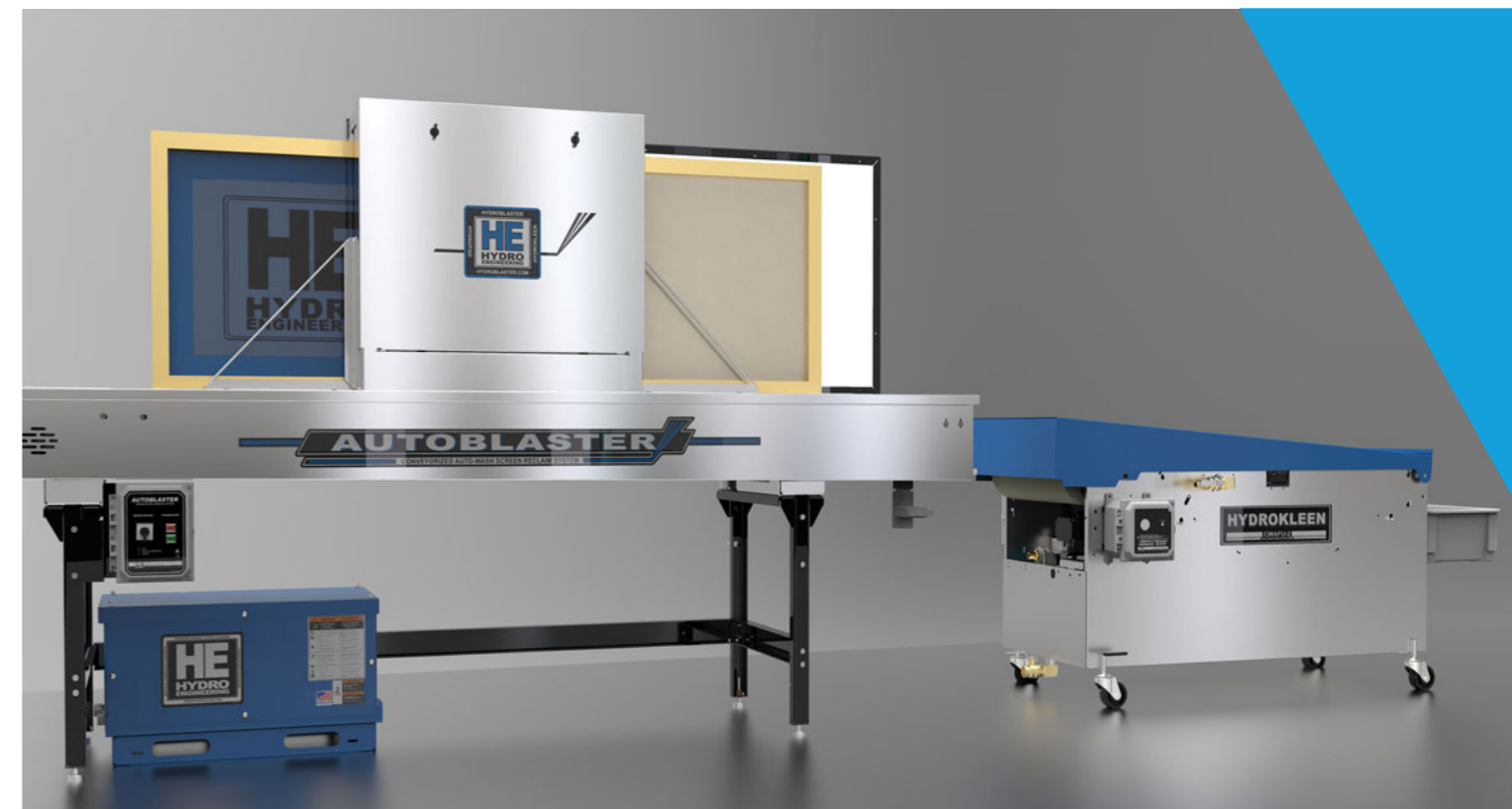
In low volume, 1-20 screens per day, Hydrokleen model CFS3 solids filter.
For higher volume shops, CMAFU-2 automated solids filtration system.

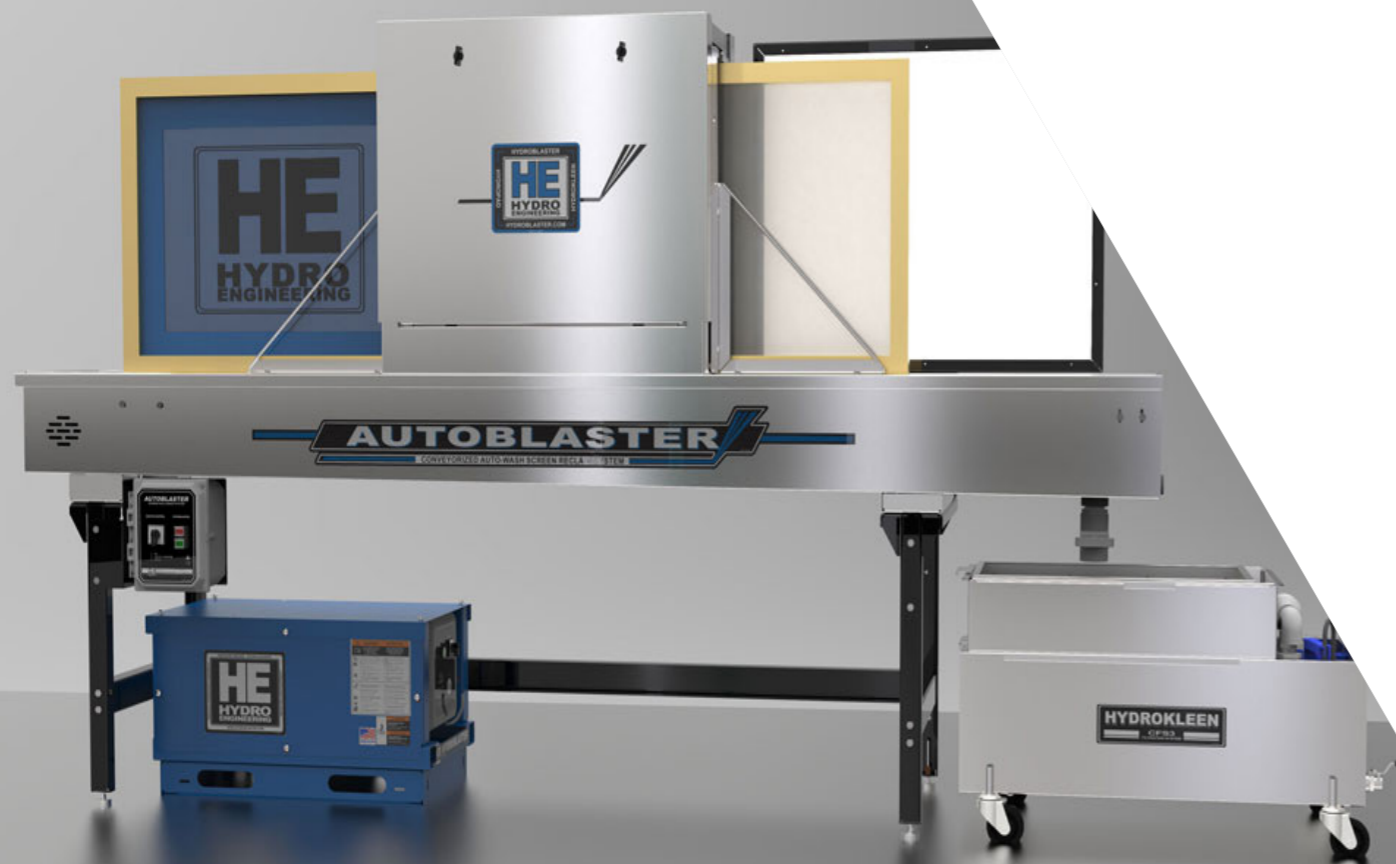
Typical steps For Reclaim Process:

1. Card excess ink at press, remove tape from frames
2. Apply emulsion remover and allow to dwell for 30 seconds
3. Place screen on conveyor, run through Autoblaster
4. Inspect screen; if there is a ghost image in screen, continue
5. Apply liquid ghost image remover, brush on ink well side of screen and allow to dwell
6. Place screen on conveyor, run through Autoblaster

This reclaim process removes ink and emulsion as a semi solid. A stainless steel sump box and pump sitting under Autoblaster drain automatically pumps collected reclaim water to your discharge point. We also provide 2 options for solids filtration with the following suggestions:

- 1- 20 screens per day - CFS3 manual solids filter system
- 1-100's of screens per day - CMAFU-2 automatic solid filtration system





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SPECIFICATIONS

Screen Size	23" x 31" (optional sizes available)
Construction	Stainless steel cabinet, containment basin, entrance/exit guides and cleaning heads. Powder coated steel stand.
Controls	Remote control box, conveyor, light box and Hydroblaster.
Safety	Spinning cleaning heads contained within cabinet, slow conveyor speed, NEMA-4X water tight control box, 24 volt control voltage.
4/3000 ES	Built to meet UL-1776, CSA, and CE standards.
Conveyor Speed	1 inch per second
Dimensions	96" L x 23" W x 56" H

THANK YOU
for your business