

'Cleaning in Place'
Enzyme based detergent series products

EcoWash 3G

Biochemistry for the
Corrugated Packaging Industry

ECOWASH 3G

An economical investment into
enzyme based cleaning technology
designed to work in box plants



ECOWASH 3G - YOUR ANILOX'S ARE ALWAYS CLEAN. A COMPLETE TOTALLY AUTOMATED SOLUTION FOR YOUR PLANT

EcoWash 3G

Enzyme based biochemical technology

Ecochem is introducing another breakthrough in our cleaning technology range. ECOWASH 3G is our economical entry level cleaning solution for box plants.

The 'BioClean' Automatic System has been recognised as an astounding success in the printing industry. ECOWASH 3G is cutting edge chemical technology with a unique, breakthrough blend of safe, water based solvents and specially designed enzymes to liquefy dried ink rapidly without any corrosive effect on equipment but at a lower investment.

Used with manual applications, ECOWASH 3G's technology improves cleaning performance and reduces solids in waste water at economical dilution rates, bringing more savings in production and maintenance costs.

ECOWASH 3G can be used to safely and quickly remove ink off all surfaces in your plant.
Non-corrosive non-hazardous.

ECOWASH 3G delivers:

- Unique blend of special enzymes
- Breakthrough solvent technology
- Dissolves dried ink even faster than before
- 10% Dilution (stereo/printing plates washing)
- Increased production capability
- Greater maintenance savings
- Increased operator effectiveness
- Easier and quicker plate cleaning
- Reduced solid content in waste water
- Better waste water compliance
- Increased pride in machine care
- Non-corrosive and non-hazardous
- Your printers love it !

WHY ENZYMES?

Enzymes are biological molecule catalysts that act on molecules like starch. They don't get used up in each reaction and can work in the right conditions until all the ink and starch is broken apart and dissolved.

Enzymes are a part of nature and are fully biodegradable.

Other Ecochem products for the corrugated box industry include:

EVOLUTION STARCH OFF ULTRA - For fast control of starch build ups

EVOLUTION BIOCLEAR - Advanced cutting edge enzyme technology for our automatic delivery systems.

Using the Ecochem System

The patented Ecochem System pulls BIOCLEAR concentrate from a 1000lt/264-gallon tote, dilutes and delivers it directly to every print station - automatic cleaning at the touch of a button.

Once you have seen the value and performance of EcoWash 3G, go a step further and install our automatic delivery systems and use our higher value range of BioCleans. Benefit from lower dilution ratios, more effective solutions for greater performance and value. The Ecochem delivery system is designed to inject diluted BioClean into the ink lines on each converter for a controlled cleaning and water rinse cycle.

It is simple to install and easy to maintain and use. It uses a special digital control to deliver BioClean to the anilox rolls and ink systems. This program reduces the time required for wash-ups to as little as 2-4 minutes.

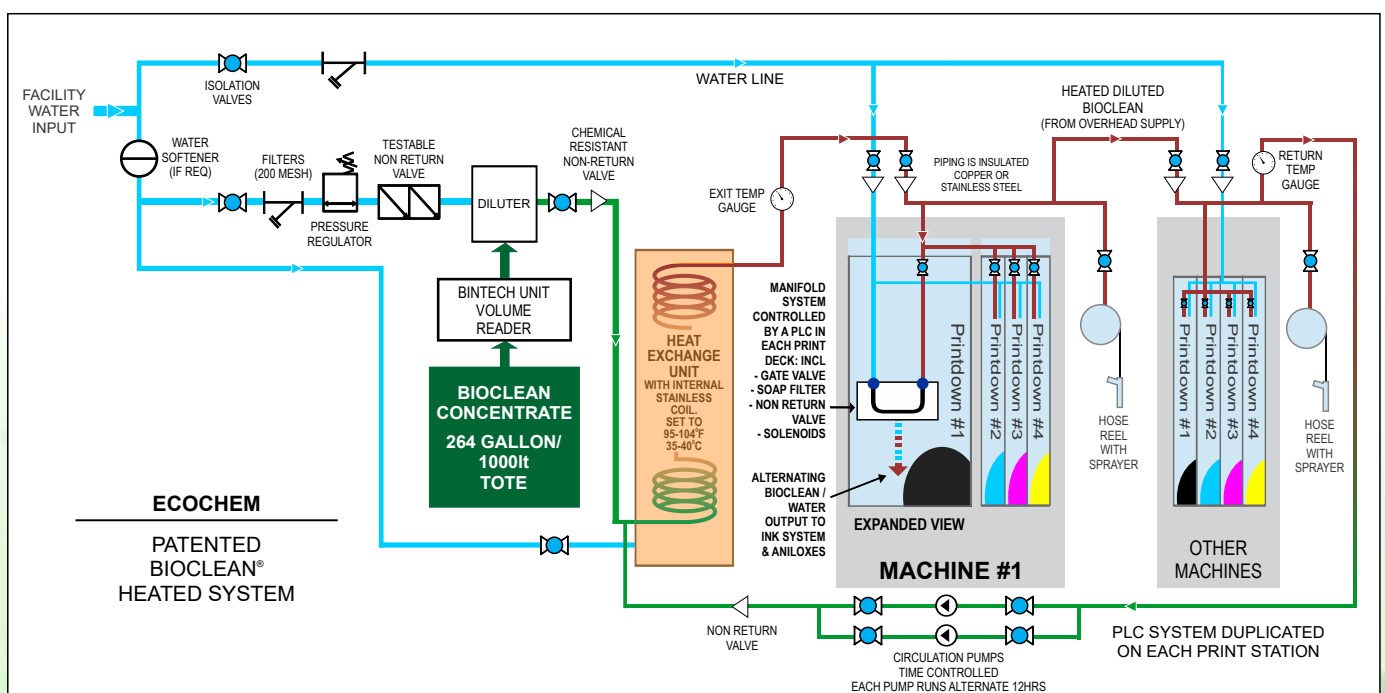
A foam gun is also mounted at each converter for manual use, allowing BioClean diluted foam to be applied to surfaces for the removal of ink, allowing good contact time while preventing atomisation and splash back. This gives the operators the power to clean print plates, ink trays and the machine body itself before leftover ink becomes a problem.

At this dilution rate the product is completely non-hazardous.

The Components of the system are:

- Facility water supply
- Binteck Usage Reporter
- Diluting unit
- PLC with programmed 2, 4 and 6 minute wash cycles
- Switching manifold
- Plumbing directly to machines
- Foamer / sprayer
- Heat Exchange Unit

The regular use of the patented Ecochem system turns back the clock on ink system wear and tear. Instead of slowing down the rate at which dried ink builds up in the system, BioClean washes away old ink from anilox rolls, ink lines, pumps and supporting equipment.



EcoWash 3G

- Centralized automatic cleaning system for all converting lines
- Automation eliminates chemical cleaning Health & Safety issues
- Tidy, simple and automatic
- Reduced manual labour for Anilox Roll Cleaning
- Increased production time with less breakdowns
- Superior printing
- Product formulation will not corrode doctor blades or blister anilox rolls or damage rubber rolls and seals on bearings
- Reduction in the use of ink and water
- System uses approx half manual cleaning wash-up
- Concentrated ECOWASH 3G comes in a 264 gallon / 1000 litre tote and makes up to 2,640 gallons / 10,000 litres of wash up solution
- Significant direct and indirect cost savings

Take our Challenge...



Take any two-color Flexo or Rotary Die Cutter in your plant ...

Install just one Ecochem Automatic System

Let us prove it is the best investment in anilox cleaning you ever made ... or your money back !*

*You will need to provide hoses, water filter, check valve and a few other plumbing items, plus shut-off valve for drum installation. Conditions apply, please contact us to discuss your requirements.

Contact us now for more information and a convincing on-site demonstration

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Go online to EcoWash 3G