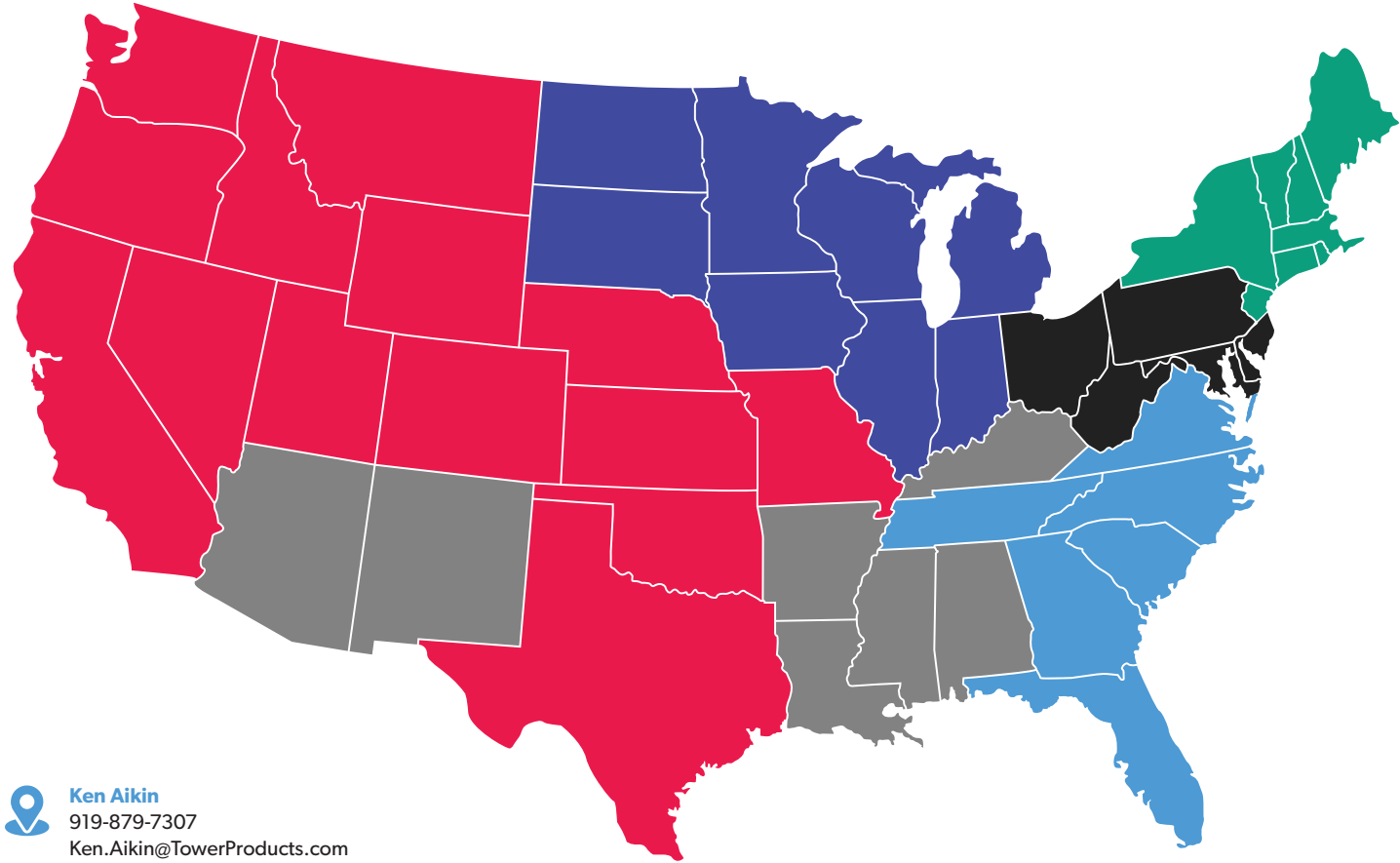




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The information herein is given in good faith,  
but no warranty is made.

# OFFSET PRESSROOM CHEMISTRY PRODUCTS



# PRESSROOM CHEMICAL SELECTION

Many printers think that once they have bought a machine, selected their plate technology, and chosen the appropriate ink that their decisions are finished, but choosing the right chemistry for your configuration is a critical step to achieving the best efficiency and value in your equipment.

## LAYING THE GROUNDWORK

### Basic Consumables

There are a variety of other consumables needed to keep a pressroom humming. Proper replacement avoids harmful buildup and keeps everything else working smoothly.

## MAKING IT RUN

### Fountain Solutions & Alcohol Replacement

The right fountain solution is a critical tool for helping the pressman to maintain ink and water balance, aiding with lubrication, cooling, and cleaning. The right selection is a function of press type, ink type, and the requirements of the printer.

## MAKING IT LAST

### Plate Care

Plate cleaners are critical for maintaining the integrity and cleanliness of the plates—from helping with removal of residual ink, fountain solution, and contaminants to preventing plate wear, the proper plate cleaning regime helps to maintain print consistency over the long term.

## GETTING IT CLEAN

### Press Wash

The right press wash serves many functions in increasing efficiency and quality on the press and in the pressroom.

## PROTECTING THE SYSTEM

### Other Care

Roller and dampening system care are also critical to optimizing press performance.

## LAYING THE GROUNDWORK

### Basic Consumables

#### ABW ROLLS (DRY)

Made from a premium, non-woven material, our dry wash cloth will not break under tension providing problem free wash-up. Available in all popular sizes. Our product is low-linting which quickly removes ink and solvent for an effective automatic blanket wash on any press.

Item Name	Press Brands Served	Sizes Available
Dry Automatic Blanket Cleaning Cloths	Komori	28, 40, & 40 Impression cylinder
	Heidelberg	XL-105, XL-106, XL-145, XL-162, XL75/CD74, & XL75/CD74 Impression Cylinder, SM-52, SM-75
	KBA	Rapida 105/106, 105/106 Master Roll, 142, 145, 145 Master Roll, and 162

#### ABW ROLLS (PRE-SATURATED)

Made from a premium, non-woven material, our dry wash cloth will not break under tension providing problem free wash-up. Available in all popular sizes. Our product is low-linting which quickly removes ink and solvent for an effective automatic blanket wash on any press.

Item Name	Press Brands Served	Sizes Available
Pre-Saturated Automatic Blanket Cleaning Cloths	Komori	28, 40, UV, Conventional, and Combi
	Heidelberg	XL-105, XL-106
	RMGT	520, 750, 780, 790, 920, 940, 970 UV and conventional

#### INK LINERS

Tower Products provides a full range of ink fountain liners specifically for Heidelberg presses. These liners are manufactured using high quality polyester from Dupont that provides a consistent liner gauge from end to end. Each box also contains a certificate of quality assurance.

#### TECHNOTRANS WATER FILTERS

Good water is needed for a quality print. Tower looked high and low for a water filter we could stand behind and found a unique double walled technology which can help keep the dampening system cleaner, and for longer to reduce the number of fountain solution changes due to a contaminated system. These filters are packaged 12 to a case and samples are available.

# MAKING IT RUN FOUNTAIN SOLUTIONS & ALCOHOL REPLACEMENTS

CHOOSE THE RIGHT PRODUCTS  
TO OPTIMIZE YOUR PRESSROOM

Application	Product	Description	Type	Recommended Alcohol Replacement	Press Speed	Zero VOC?	Plate Compatibility:						Ink Compatibility					
							Metal	Poly	CTP/DOP	Advanced CTP/DOP	Thermal	Violet	Conv Non-Metallic	Conv Metallic	UV Non-Metallic	UV Metallic	LED	HSW
WEB	Premier News Platinum	Tailored for today's web printers using CTP technology - unique wetting agent minimizes ink emulsification, promotes fast restarts, and ensures bold, brilliant colors with minimal water speed adjustments.	One-Step	N/A	newsprint	X	✓	X	✓	✓	✓	✓	✓	X	X	X	X	X
	Millennium DGT	Our most advanced web fountain solution, ideal for pressrooms facing significant challenges. It offers a strong buffering system ensuring reliable performance under demanding conditions.	One-Step	N/A	>10K	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	X
	Millennium HSW-601	One step web fountain solution designed for running DOP plates. Recommended for MAN Roland heatset webs.	One-Step	N/A	>30K	X	✓	X	✓	✓	✓	✓	✓	X	X	X	X	✓
	Millennium HSW-602	One step web fountain solution with enhanced levels of NPA and plate desensitizing agents. This is designed for cleaner and faster startups.	One-Step	N/A	>30K	X	✓	X	✓	✓	✓	✓	✓	X	X	X	X	✓
	Millennium HSW-100	One step fountain solution for high speed web presses. Formula has strong buffering system and is compatible with a variety of dampening systems to provide fast, clean restarts.	One-Step	N/A	>100K	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Millennium HSW-200	A versatile solution designed specifically for heatset web presses, with a focus on prevent ink piling and ensuring smooth, clean restarts. It is particularly suited for printers using CTP plates and performs well in RO in medium-hard water environments.	One-Step	N/A	>100K	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SHEET FED	Millennium 4000	A cost-effective alternative formulated for pressrooms looking to optimize economics in sheetfed operations - it keeps chrome rollers clean and prevents counter etching when using metallic inks.	One-Step	N/A	>10K	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Millennium 1000	Our top-tier one-step, this product works across all types of dampening systems and is especially effective for metal plates.	One-Step	N/A	>10K	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X
	Millennium 4500	Our best recommendation for high-speed presses using a mix of conventional and energy-curable inks - this product provides the right cleaning strength for energy curables without overkill on conventional inks, making it versatile and cost-effective.	One-Step	N/A	>10K	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Millennium 3000	Our most premium product for pressrooms requiring unparalleled performance, this product excels in preventing etching and keeping chrome rollers clean, especially when using metallic inks. A higher pH version is also available (Millennium 3000 HPH).	One-Step or Two-Step	Dynamic ARP	>10K	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Millennium 5000	A unique formula approved by both Fogra and KBA for high speed presses. Excellent compatibility with UV and LED inks.	One-Step	N/A	>10K	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Millennium 7000	Specifically designed for presses with integrated dampening systems, this product features a unique buffering system that helps prevent calcium buildup, ensuring cleaner operations.	Two-Step	AR-7500 Dynamic ARP	>10K	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	X
	Millennium 6000	An advanced fountain solution formulated to minimize issues like picture framing and ink piling, common challenges in printing. A higher pH version is available on request (Millennium 6000 HPH).	Two-Step	AR-7500	>10K	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	X
	Millennium SF	Our best product for integrated dampening systems with complex buffering system requirements - its advanced chemistry reduces water roller speeds and ink consumption while maintaining a stable pH between 3.8 and 4.2.	Two-Step	Dynamic ARP	>10K	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	X

**WHERE NEEDED, TOWER OFFERS 2 EXCELLENT ALCOHOL REPLACEMENT OPTIONS:**

**AR-7500** is an advanced alcohol substitute that enhances water viscosity in continuous dampening systems. It is free of harmful air pollutants (HAPs) and safe for unbaked CTP plates. When used with Tower fountain solutions, AR-7500 helps achieve optimal ink and water balance, ensuring outstanding press performance. **DYNAMIC ARP** is a versatile alcohol substitute designed to increase water viscosity in continuous dampening systems. It reduces ink feedback and is effective even at low dosages, offering a cost-efficient alternative to traditional alcohol replacements and isopropyl alcohol.

# MAKING IT LAST PLATE CARE PRODUCTS

CHOOSE THE RIGHT PRODUCTS  
TO OPTIMIZE YOUR PRESSROOM

	Product	Description	pH	Available in	Ink Compatibility		Functional Attributes					Off-Label Uses	
					Conventional	UV	Initial Ink Removal	Final Ink Removal*	Scratch Removal	Plate Restartability	Plate Storage	OTF Cleaning	Chrome Roller Desensitization
CLEANERS	UNIVERSAL PLATE CLEANER	Basic all-around plate cleaner meant for general plate-cleaning	2.2	12 Qt Case 55 GI Drum	✓	✓		★★★★	★★★★★	★★★★★	★★	X	X
	CTP SCRATCH REMOVER	Best-bet for scratch removal, with reasonable performance in other applications	2.2	12 Qt Case	✓	✓	✓	★★★★	★★★★★	★★★★★	X	★	★★★★★
	UV PLATE CLEANER FP	Best product for use without wash, removes ink from UV plate without damaging the image and is food-safe!	3.7	12 Qt Case 55 GI Drum	✓	✓	★★★★★	★★★★★	★	★★★★★	X	X	X
STORAGE	PLATE CLEANER & PRESERVER	Good all-around cleaner with the flexibility for use in short-term storage	3.7	12 Qt Case	✓	✓	✓	★★★★★	★★★★	★★★★★	★★★★★	X	X
ON THE FLY	PLATE CLEANER XLT	Unique acidic formula designed to preserve image on unbaked plates	2.0-2.5	12 Qt Case 55 GI Drum	✓	✓	N/A	N/A	★★★★★	X	X	★★★★★ Purpose-built for this application	
	PREMIUM OTF PLATE CLEANER	Standard-grade product designed specifically for On-The-Fly (OTF) cleaning applications	10.7	12 Qt Case 55 GI Drum	✓	✓	N/A	N/A	★★★★★	X	X	★★★★★ Great Performance	
	PLATE CLEANER 200	High-pH product designed for OTF applications	12.5-13.5	12 Qt Case 55 GI Drum	✓	✓	N/A	N/A	★★★★★	X	X	★★★★ Okay	
												★★ Some applicability	
												★ Small applicability	
												✘ NOT RECOMMENDED	

\* Initial ink removal is removal of ink from printing process from the plate, final ink removal is removal of residual ink which remains AFTER use of an appropriate wash

# GETTING IT CLEAN PRESS WASH PRODUCTS

CHOOSE THE RIGHT PRODUCTS  
TO OPTIMIZE YOUR PRESSROOM

Line	Product	Description	Applications			Ink Compatibility		Key Technical Specs						
			Conventional Rollers and Blankets	EPDM & Composite Rollers and Blankets	Automatic Wash Units	Conventional	Energy-Curable	Flash Point	Composite Vapor Pressure	VOC Data	Drying Speed	Solvent Strength	Odor	
CLASSIC LINE	Customer favorites suitable for most non-specialty pressroom needs	Tech Wash IF	Economy water-miscible wash which is safe for equipment and compatible with conventional ink	✓	✗	✓	✓	✗	108°F	<5.0 mmHg	6.8lbs/gallon (99%)	Moderate	Moderate	Mild
		IP Wash	Premium water-miscible wash for pressrooms requiring a bit more strength, drying speed, or improved odor	✓	✗	✓	✓	✗	112°F	<5.0 mmHg	6.8lbs/gallon (99%)	Moderate	Moderate	Citrus
FOOD SAFETY LINE	FOGRA-Approved Washes for use in food package and label printing and required by OEMs	Infinity Wash 1300 UV	Entry-level FOGRA offering suitable for UV ink	✗	✓	✓	✗	✓	142°F	<1.0 mmHg	6.7lbs/gallon (88%)	Moderate	Strong	Solvent
		Infinity Wash HMK-UV	Premium wash for energy curable (UV/LED/EB) ink applications	✗	✓	✓	✗	✓	167°F	<1.0 mmHg	7.1lbs/gallon (89%)	Moderate	Strong	Mild Solvent
		Infinity Wash HMK-1 WM	Our customer-favorite water-miscible Tech Wash in a FOGRA-approved formula for conventional ink	✓	✗	✓	✓	✗	147°F	<1.0 mmHg	6.5lbs/gallon (99%)	Slow-Moderate	Moderate	Very Low
		Infinity Wash Combi	Suitable for pressrooms running a combination of conventional and UV ink	✓	✗	✓	✓	✓	142°F	<1.0 mmHg	6.9lbs/gallon (98%)	Slow-Moderate	Moderate	Low
UV LINE	Complete line washes suitable for energy-curable or combination applications	UV Wash 700	Economy UV wash offering for UV, LED, & HUV applications	✗	✓	✓	✗	✓	165°F	<1.0 mmHg	6.9lbs/gallon (98%)	Moderate	Strong	Mild Solvent
		UV Wash 140	High flashpoint wash offering best for chameleon-type and composite rollers	✓	✗	✗	✓	✓	142°F	<1.0 mmHg	6.9lbs/gallon (98%)	Moderate	Strong	Mild Solvent
		UV Wash LED	Specifically formulated to work with EPDM compounds in the LED UV process	✗	✓	✓	✗	✓	110°F	<9.0 mmHg	6.9lbs/gallon (98%)	Faster	Strong	Mild Solvent

**FOGRA LINE - APPROVALS BY PRODUCT:**

INFINITY WASH 1300 UV	UV/EB & LED Inks Sheet-Fed: MAN Roland, Heidelberg	INFINITY WASH HMK-1 WM	UV/EB & LED Inks Sheet-Fed: MAN Roland, Heidelberg, KBA
INFINITY WASH HMK-UV	UV/EB & LED Inks Sheet-Fed: MAN Roland, Heidelberg	INFINITY WASH COMBI	UV/EB & LED Inks Sheet-Fed: MAN Roland, Heidelberg

**ISEGA - APPROVALS BY PRODUCT:**

INFINITY WASH HMK-1WM	UV/EB & LED Inks Sheet-Fed: MAN Roland, Heidelberg, KBA
INFINITY WASH HMK-UV	UV/EB & LED Inks Sheet-Fed: MAN Roland, Heidelberg

### **DYNAMIC DUO SYSTEMS CLEANER**

Dynamic Duo is an outstanding, two part ready to use fountain solution recirculation systems cleaner. The product helps to extend the life of fountain solution by cleaning and removing ink, coating, mold and paper from the press recirculation system. It even helps to eliminate calcium build up. Best of all, it is a safer to use technology than the competition since it does not have to be pre-mixed and it is a non-regulated product for shipping.

### **KNOCKOUT PRESSROOM CLEANER**

Formulated specifically for the printing industry, Knockout Pressroom Cleaner dissolves ink on contact and is ideal for cleaning and degreasing most hard surfaces including: vinyl, rubber, metal, porcelain, fiberglass and plastic in the pre-press, pressroom and bindery departments.

### **COATINGS CLEANER AC**

Tower Coatings Cleaner AC was developed to quickly clean even the toughest aqueous coating, even dried coating, without the use of ammonia. Coatings Cleaner AC will not only clean the coating, but also residual ink as well. Coatings Cleaner AC features a mild odor and will not damage rollers and blankets. Additionally, the product is an excellent pressroom cleaning solution for removing ink from press frames and floor areas.

### **CHROME ROLLER CLEANER**

Tower Chrome Roller Cleaner is a powerful liquid cleaner that will effectively clean and desensitize the chrome dampening rollers. This product will restore the water carrying capacity of the roller by replacing the ink and oxidation contamination with a protective water receptive film.

### **METAL PLATE ADDITIVE**

Our Metal Plate Additive is used to super desensitize all types of metal printing plates through the addition of the product to the fountain solution.

### **TOWER MRC**

Tower MRC is a fast drying solvent blend formulated to clean metering rollers in continuous dampening systems. This product will clean quickly and leave no residue. It can also be used to clean back cylinders and used as a fast drying typewash.

### **MRC 100**

MRC 100 is an ultra- fast drying Metering Roller Cleaner formulated to meet the requirements of 100 grams per liter as legislated by SCAQMD. This product is only intended to be used as a metering roller cleaner and not a roller and blanket wash.

### **DELUXE CALCIUM RINSE**

Deluxe Calcium Rinse was formulated to dissolve calcium deposits not just on the surface of the rollers, but deep down into the rubber to give you really clean rollers. Calcium build ups can affect production costs and print quality if they are not treated. Deluxe Calcium Rinse emulsifies the calcium on contact when applied to the rollers, back cylinders and chrome rollers.

### **SUPER ROLLER CLEANER**

Super Roller Cleaner will effectively and quickly clean, deglaze and condition ink rollers. Rollers that have become contaminated with glaze, paper dust and ink can cause poor printing quality. With regular use, SUPER ROLLER CLEANER will help maintain the rollers for optimum print quality. The product can also be used for fast color changes during the course of the day for improved pressroom productivity.

### **TRANSITION ROLLER CLEANER**

Transition Roller Cleaner will effectively and quickly clean LED/UV inks and condition ink rollers to be able to transition between UV/LED and convention inks and vice versa. Rollers that have become contaminated with glaze, paper dust and ink can cause poor printing quality. With regular use, the product will help maintain the rollers for optimum print quality and give you flexibility of ink choices and types on press.

### **TOWER ROLLER PASTE**

Tower Roller Paste is a high technology cleaning paste for thoroughly cleaning printing rollers. The product is unique in that it accomplishes the cleaning function without strong solvents or abrasive chemical additives. The product is ideal for color changes and daily roller maintenance.

