

*High-performance
Washing
Compounds*



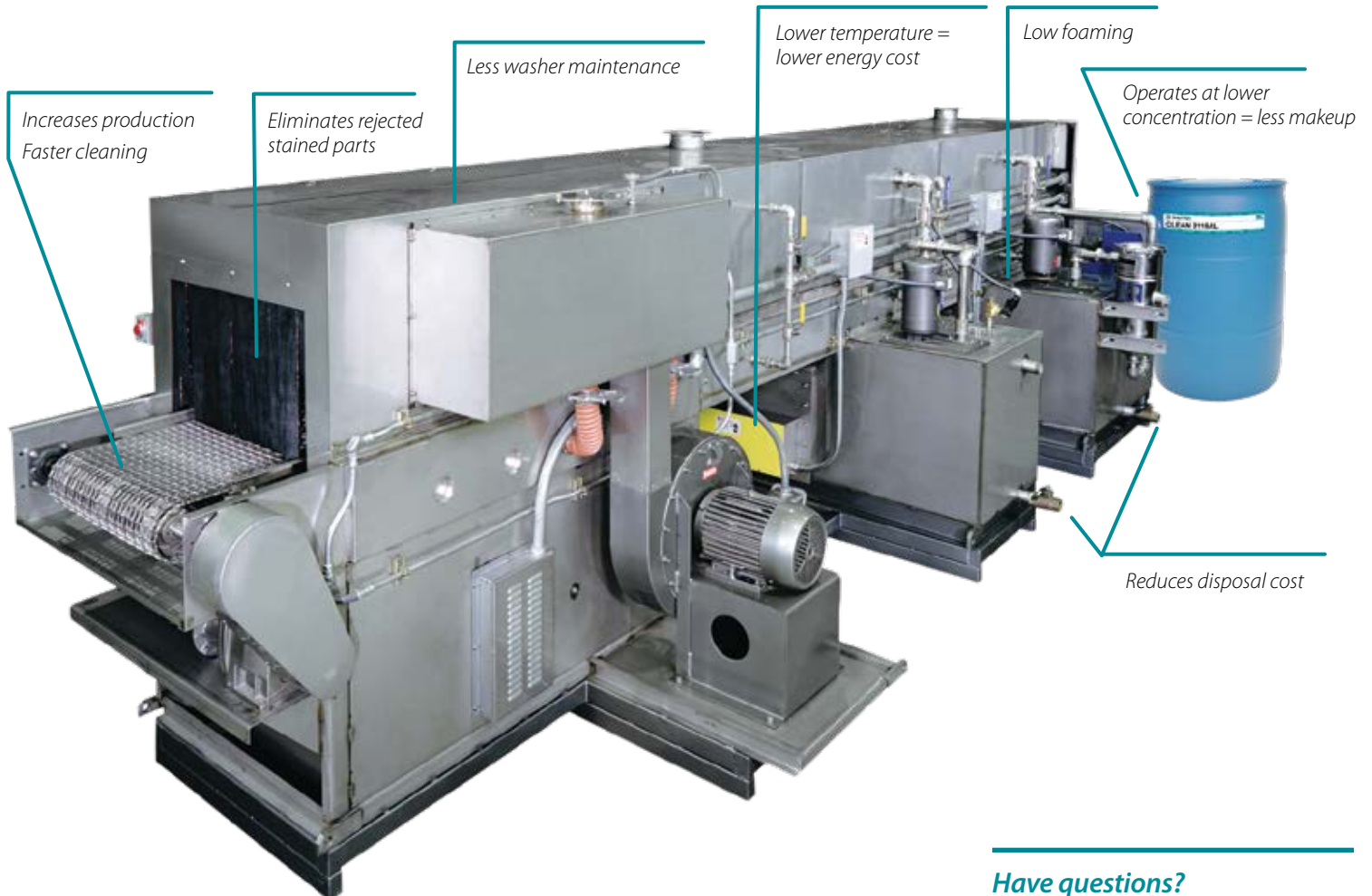


Master STAGES™ to clean and protect:

- > spray, immersion, or ultrasonic parts cleaning
- > multi-metal operations
- > metalworking fluid removal
- > cleaners with built-in and water-based RP's
- > vibratory finishing
- > reduced disposal costs



Get the competitive edge with Master STAGES cleaners.



Have questions?
Call our TECH SERVICE HOT LINE:
1-800-537-3365
(8-5 EST, M-F)

High-performance Washing Compounds

Product	Features	Main Uses	Temperature Range	Concentration Range %	pH (in use)
SPRAY PARTS WASHING WITH CLEAN PRODUCTS					
CLEAN 2017	Low cost, heavy-duty spray cleaner. Very low foam. Excellent cleaning of coolants and oils at low, energy-saving temperatures.	Low foaming at ambient temperature, very low foam over 105°F (41°C). Safe for steel, cast iron, titanium, magnesium. Do not use on aluminum, brass, or zinc.	Ambient–160°F (71°C)	1%–5%	12.6–13.1
CLEAN IP 2019s	Very low-foaming; energy-saving, low-temperature spray cleaner. Phosphate and amine-free.	For ferrous metals and aluminum. Multi-metal safe; longer lasting RP and splits oil for easy removal.	70°–140°F (21° to 60°C)	0.05%–5%	11.0–12.2
CLEAN 2029 “One Step”	High detergency with controlled foam, great cleaning and good in-process RP. Mild pH means safer working environment. Multi-metal compatible.	Spray, ultrasonic, or dunker washing of steel, cast iron, and powdered metal parts. Safe on most aluminum and yellow metals when used at lower temperatures.	140°–180°F (60° to 82°C)	3%–5%	10.6–11.0
CLEAN 2115AL	Bio-stable, synthetic cleaner for very high-pressure washers with short-term RP. Aluminum compatible.	Like CLEAN 2115 with better aluminum compatibility. For water jet cutting, leak test, and plasma cutting tanks.	Ambient–140°F (60°C)	0.5%–5%	8.0–9.0
CLEAN 2430	Maximum ability to split oils out of cleaner bath. Great cleaning, near-neutral pH. Multi-metal safe.	Removal of straight oils; oil splitting capability with very long bath life; good in-process RP for ferrous parts.	Ambient–150°F (66°C)	0.5%–5%	8.0–8.7

IMMERSION PARTS WASHING WITH CLEAN PRODUCTS					
CLEAN 2017	Low cost, high pH cleaner for ferrous, magnesium, titanium, and pure copper (not aluminum, brass, or zinc).	Medium-duty immersion washing of ferrous parts. Do not heat over 120°F (49°C) unless washer is agitated.	Ambient–160°F (71°C)	3%–7%	12.6–13.1
CLEAN 2020	Very fast cleaning even at energy-saving low temperatures. Good oil splitting; built-in RP. Phosphate free.	Immersion or ultrasonic cleaning of all metals. Can use at high temperature over 130°F (54°C).	Ambient–160°F (71°C)	3%–10%	11.5–12.5
CLEAN 2029 “One Step”	High detergency with controlled foam, great cleaning, and in-process RP. Mild pH for safer working environment.	Spray, ultrasonic, or dunker washing of steel, cast iron, most aluminum/yellow metals at lower temperatures.	Ambient–160°F (71°C)	5%–10%	10.6–11.0
CLEAN 2030	Phosphate-free, multi-metal friendly. Similar to CLEAN 2020 with added corrosion inhibitors.	High-performance, ultrasonic or immersion with ferrous RP. Cleans at high or energy-saving temperatures.	Ambient–160°F (71°C)	3%–10%	10.5–11.0
RINSE 100	Multi-purpose detergent with pine oil. Mild pH and light pine scent – a favorite for general machine shop cleaning.	Excellent ultrasonic cleaner. Great soak cleaner for oily soils. Safe to use on most metals.	Ambient–135°F (57°C)	3%–10%	9.0–9.6
Whamex™	The best tool and system cleaner ever! Removes tough soils at low temperatures.	For single step immersion washing of ferrous metals. Excels on grey cast iron; up to one week of RP.	Ambient–120°F (49°C)	3%–5%	10.5–10.6

ULTRASONIC PARTS WASHING WITH CLEAN PRODUCTS					
CLEAN 2020	Very fast cleaning even at energy-saving low temperatures. Good oil splitting; built-in RP. Phosphate free.	Immersion or ultrasonic cleaning of all metals. Can use at high temperature over 130°F (54°C).	Ambient–160°F (71°C)	3%–10%	11.5–12.5
CLEAN 2030	Phosphate-free, multi-metal friendly. Similar to CLEAN 2020 with added corrosion inhibitors.	High-performance, ultrasonic or immersion with ferrous RP. Cleans at high or energy-saving temperatures.	Ambient–160°F (71°C)	3%–10%	10.5–11.0
RINSE 100	Multi-purpose detergent with pine oil. Mild pH and light pine scent – a favorite for general machine shop cleaning.	Excellent ultrasonic cleaner. Great soak cleaner for oily soils. Safe to use on most metals.	Ambient–135°F (57°C)	3%–10%	9.0–9.6

Product	Features	Main Uses	Typical Storage Tlme	Concentration Range %	Flash Point*	Humidity Cabinet Test ASTM D1748	ASTM B117 Salt Fog
EMULSION WATER-BASED RUST PREVENTATIVES							
NOCOR® E6	RP for steel, cast iron, yellow metals. Effective at 4%–12%. No boron or barium.	Spray or dunk applied RP for in-process protection or before packaging.	up to 6 months (depending on dilution)	3%–16%	none	100 hrs. no rust @ 12%	3 hrs. very slight
SYNTHETIC WATER-SOLUBLE RUST PREVENTATIVES							
NOCOR® S2	Synthetic, water-cut, shorter-term RP. Economical at low dilutions. Barium-free, low V.O.C.	Used in spray washers rinse stage. Do not heat above 135°F (57°C).	1–2 months (depending on dilution)	3%–10%	none		

Product	Features	Main Uses	Typical Storage Tlme	Concentration Range %	Flash Point*	V.O.C. LBS./GALS.	Humidity Cabinet Test ASTM D1748
OIL/SOLVENT CORROSION INHIBITORS							
RPO 6BF	Excellent, barium-free, nonstaining, water-displacing RP with indoor and in-transit protection.	Dip, spray, brush, flow coat, or wipe application on ferrous/mixed metals.	6–10 months	100%	181°F (83°C)	4.09	650 hrs. no rust
NOCOR® O2	Barium-free, nonstaining, water-displacing multi-metal corrosion inhibitor with high flash point.	Dip, spray, brush, flow coat, or wipe application on ferrous/mixed metals.	1–2 months	100%	300°F (149°C)	57.9	168 hrs. no rust



***Committed Today
for a Greener Tomorrow***

Our corporation is committed to sustaining our natural resources, protecting our environment, and leaving a smaller footprint on the places we all call home.

As a manufacturer of fluids and fluid recycling equipment, we are committed to promoting conservation in manufacturing and helping customers maximize productivity while minimizing waste.

Just visit masterfluidsolutions.com and click on "Green Policy" to learn more about our commitment to environmental stewardship.



***Cutting and Grinding Fluids
that Lead the Industry***

Master Fluid Solutions has been recognized for more than 60 years for its TRIM® family of metalworking fluids for all types of cutting and grinding operations. Known worldwide for superior performance, TRIM meets the demands of specialized industries such as automotive, aerospace, and medical parts manufacturers.

For the full range of cutting and grinding applications for synthetics, semisynthetics, and soluble oils, TRIM solutions deliver longer tool and sump life, better finished parts, and a better bottom line.



***Increase Profitability
with XYBEX® Equipment***

Master Fluid Solutions, the pioneers of coolant technology, also invented systems for recycling those same coolants and even cleaners. Since properly maintained coolant can last almost indefinitely, a fluid management and recycling program using XYBEX® equipment pays for itself with savings in material costs, disposal expense, and reduced downtime.

Help your customers maximize their productivity and minimize waste with XYBEX fluid recycling equipment.

For prices or additional information, contact your Master Fluid Solutions Distributor:

Master Fluid Solutions
501 West Boundary
Perrysburg, OH 43551-1200 USA
Tel: +1 419-874-7902

www.xybex.com

TECH SERVICE HOT LINE: 1-800-537-3365