





Achieve cutting edge production with TRIM® cutting and grinding fluids > significantly reduces fluid and tool costs > reduces downtime and labor

- > lowers disposal costs
- > assures code compliance
- > excellent operator acceptance

		7	> excellent operator acceptance > a safer workplace for employees > immediate savings to the bottom line
TRIM® metalworking fluids		Trim [®] Product	Product Characteristics
TRIM MicroSar 590XT	SYNTHETICS Emulsions Microemulsions	TRIM® MicroSol® 690XT High-lubricity, Low-foam Premium Semisynthetic	Ultimate lubricity. Robust stability package for long life. Exceptional foam control. Excellent environmental and regulatory profile. Boron free and nonchlorinated. Multi-metal compatible.
		TRIM® MicroSol® 590XT NEW! Advanced Technology Aerospace Semisynthetic	Specifically designed for aerospace; protects sensitive alloys from surface stains and corrosion. Maximum lubricity. Unsurpassed sump life and foam control. No boron or DCHA, nonchlorinated, needs no tankside additives.
		TRIM® MicroSol® 585XT Extended-life, Nonchlorinated Semisynthetic	Extended-life, high-lubricity, microemulsion coolant delivers excellent cooling and mechanical lubricity. Well suited for machining and grinding gray iron, mixed metal situations, titanium and aluminum alloys.
		TRIM® MicroSol® 685 High-lubricity Semisynthetic Metalworking Fluid	Heavy-duty soluble oil performance with the cleanliness of a semisynthetic. For a very wide range of materials including stainless steel, titanium and nickel-based alloys, composites, and peek.
		TRIM® MicroSol® 455 NEW! Low-foam Ferrous Semisynthetic	Low-foam semisynthetic, microemulsion for high-volume cast iron, ferrous, and some aluminum and nonferrous metalworking. Prevents leaching of elemental iron. Eliminates clinkering and oxidation of ferrous micro fines.
		TRIM® E925 Chlorine-free, High-performance Emulsion NEW!	Superior finish on aerospace titanium and aluminum alloys, exotics, stainless, and high tensile strength steels. Exceptional performance and sump life with more lubricity to the point-of-cut. Nonchlorinated.
		TRIM® E906 Premium, Low-foaming Emulsion	The newest technology for emulsion-based cutting. Consistent machining and grinding for a wide range of materials and applications. First choice for aerospace, automotive, energy manufacturers, and specialty job shops.
		TRIM® E850 Premium Emulsion	"Green" vegetable-based technology. Mild contact nature. Nonchlorinated. Low initial-charge odor. Excellent lubricity delivers premium surface finish on aluminum alloys, exotics, stainless, and high tensile strength steels.
		TRIM® E206 Long-life Emulsion	Highly stable emulsion for superior sump life and low mist/low carryoff. Excellent for high-speed milling and turning in most materials. Higher speeds and feeds, long sump life, and low use rates for higher productivity and profits.
		TRIM® SC620 Premium Low-oil Semisynthetic	High lubricity, low foam, low odor semisynthetic for high-performance maching and grinding. Rejects tramp oil and extends coolant life; save time and material. Finishes rival those of soluble oils, multi-metal compatibility.
		TRIM® SC520 General-purpose Semisynthetic	Low cost, low odor for the multi-material, multi-operational shop. Controls built-up edge, improves tool life. Superior machining results on high-speed milling and turning. Controls chip welding on soft, gummy materials.
		TRIM® C380 Premium Ferrous Machining Synthetic	Very-high performance for high-tech ferrous materials, stainless steel and Inconel® (widely used in aerospace, medical, and electronics industries). Very high levels of usable lubricity at the point of cut. Nonchlorinated.
	hetics	TRIM® C350 Premium, High-lubricity Synthetic	Longer tool life, less residual stress on machined parts. PRTR compliant; free of chlorine, phenol, nitrite, copper, triazine, silicone; NO NPE or SARA 313 chemistry. Rust protection on aluminum, titanium, nickel, and steel alloys.
	Synth	TRIM® C270CG High-performance Synthetic	Synthetic coolant concentrate operates at very high fluid pressures and volumes with little or no foam. Very stable formula; exceedingly long operational life with consistent performance. Nonchlorinated.
Certing Edge Hell		TRIM® C115 Synthetic	High-performance synthetic fluid for working cast iron and mild steels; provides excellent cooling and chip settling, good tramp oil rejection, and machine cleanliness while leaving a protective film on the machine tool.
ARIGINOTHING FIRITE	Oils	TRIM® OV 2200 Premium Vegetable-based Oil	Bio-based straight oil for machining difficult alloys and steels. Environmentally friendly and V.O.C. free. Nonchlorinated, no sulfur or animal fat. Reduces unpleasant odors and residues.
TRIM	Straight (TRIM® OM 287 Versatile Cutting Oil	Contains chlorine and inactive sulfur for multi-metal capability. Works well in modern higher speed "Swiss" machines and machining centers. Very easy to wash off.
This is a solition to	Stra	TRIM [®] OM 303 Nonchlorinated Cutting and Lubricating Oil	Nonchlorinated medium- to heavy-duty straight oil. Works well in screw machines, roll form threading, and other high-lube operations.



Rely on hard-working 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





Reduce costs dramatically with XYBEX® fluid recycling equipment

- > significantly reduces coolant usage
- > reduces downtime, repair costs, and labor
- > greatly reduces disposal fees
- > easily pays for itself with cost savings





120V Electric Yellow Bellied Sump Sucker[™] Cleans virtually any machine tool sump quickly by filtering sludge and chips from coolant. Available in multiple configurations, sizes, and power sources.



Drum Top Sump CleanerEconomical vacuum unit which converts an existing open-top drum into a powerful machine tool sump cleaner.



SCROUNGER® Jr. Oil Skimmer Effectively removes troublesome tramp oil from coolant for longer sump and tool life, better surface finish, and cleaner machines and workplace.



Water-driven, positive displacement proportioner dispenses coolant concentration on demand. Option for alkaline parts washing.



MCC Reversible LIQUI-VAC Sucks up tramp oils, used oils, and waste coolants– fast and simple. Can discharge fluids from drum to a separate container.



Mini Dos Compact, low- to mid-flow, fluid-driven proportional injector. Segregates harsh chemicals from critical internal components.



The Whammer[™]
Durable, low-cost dispenser for Master STAGES[™]
maintenance cleaners produces foaming
stream for cleaning machine tools or large
clean-in-place parts.



Palm Abbe® Digital Refractometer
For fast, accurate, laboratory-precision readings in degrees Brix. Self-calibrating to water, ready to use in seconds. Easy-to-read display.



RefractometerOptical refractometer for quick fluid sample readings.

Customers who recycle their fluids realize a 40%–80% reduction in coolant and fluid purchases.

Contact us.

Let us create a detailed, facts-based, customized analysis to prove just how much we can save your operation in time, material, and cost, while improving quality, with the premium coolant just right for your production.

For prices or additional information, contact your Master Fluid Solutions Representative.













