



**Monroe**<sup>®</sup>  
Fluid Technology



Manufacturers of Fluids for the  
Metalworking Industry Since 1958

## WATER-EXTENDIBLE COOLANTS

From cost-effective general purpose products to high performance specialty fluids, Monroe Fluid Technology's full range of water-extendible coolants can meet all of your machining requirements. Of particular note are the high-pressure biostable fluids designed for use with high-pressure delivery systems, offering excellent foam control, hard water stability and tramp oil rejection. Ask your Monroe Representative for information on specific product recommendations.

## ASTRO-CUT SYNTHETIC COOLANTS

Synthetic coolants are completely free of oils.

Monroe Fluid Technology's oil-free synthetic coolants offer the following benefits:

- Rapid heat dissipation.
- Transparent solution means excellent workpiece visibility.
- Total rejection of tramp oils.
- Easy to measure and control concentration.
- Biostable and long-lasting.
- No oil mist problem; no oil disposal concerns.
- Easily filtered for recycling or reclaiming, for long service life.



## ASTRO-CUT SEMI-SYNTHETIC COOLANTS

In general, semi-synthetics contain less than 30% oil in the concentrate and form a translucent emulsion. Our semi-synthetic coolants offer:

- Improved rust and corrosion protection versus synthetics.
- Readily rejects tramp oils for easier removal.
- Very stable emulsion; reduces carry-off and misting.
- Biostable for long fluid life.
- Better cooling allows higher speeds than most soluble oils.
- Excellent detergency keeps machines and windows clean.



## ASTRO-SOL SOLUBLE OIL COOLANTS

In general, soluble oils contain greater than 30% oil content in concentrate and form milky-white emulsions. Benefits of Monroe's soluble oil coolants include:

- More economical than straight oils.
- Cool 2 to 3 times better than straight oils.
- Reduced fire hazard, oil misting and fogging vs. straight oils.
- More forgiving of concentration changes than synthetics or semis.
- Residues are generally oily and not sticky.



## STRAIGHT CUTTING and GRINDING OILS

Monroe Fluid Technology's line of straight cutting and grinding oils are designed to be used "neat" without any dilution.

- MONROE CUT oils are designed for a full range of metal cutting operations.
- ASTRO-SWISS oils are specifically made for use in Citizen, Tornos, Star and Tsugami Swiss-style CNC machines.
- MONROE GRIND and MONROE HONE represent our line of custom formulated grinding and honing oils for all metals and part dimensions.



## ASTRO-CLEAN CLEANERS

Monroe's series of industrial cleaners provides a full range of solutions to meet your every cleaning need. We manufacture cleaners designed for sump and machine tool cleaning, heated spray washers, powered industrial floor machines, degreasers and more.

## CNC MACHINE LUBRICANTS

Monroe Fluid Technology's CNC HYDRAULIC ZF series of oils are zinc-free hydraulic oils designed for all hydraulic systems and are especially suited for use where heavy metals may contaminate the water supply or interfere with water treatment systems. We also offer the CNC SPIN series spindle oils and a full line of HD WAYLUBE heavy duty slideway lubricants. Our HD WAYLUBE products are formulated to meet major OEM requirements and separate rapidly from our coolants for easier removal and longer coolant life.

## SPECIALTY FLUIDS

We also manufacture a wide range of specialty fluids.

- ASTRO-KOTE is our series of solvent and water-based rust preventatives.
- ASTRO-DRAW is our series of straight and water-based forming fluids.
- ASTRO-VANISH is our series of vanishing oils. We also make biodegradable tapping fluids, water-rinsable tapping oils, glass grinding fluids and tank-side additives.

## COOL TOOL II

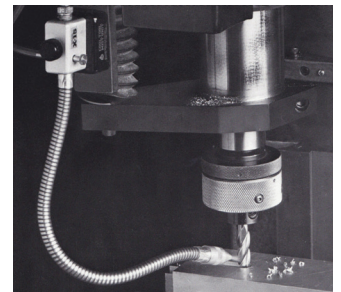
A universal cutting and tapping fluid that performs extremely well on ALL metals including Aluminum, Stainless Steel, exotic alloys and some plastics.



## X-15 MIST UNIT

A fully adjustable misting unit, designed for use with any of our oil-free synthetic coolants.

This high quality, portable unit features a powerful magnetic base and a flexible tube that puts mist right where it's needed for hands-free operation. All replacement parts are available. This unit is designed to use synthetic water soluble fluids. DO NOT use oils.



Ask your Monroe Fluid representative for more information, or visit our website at [www.monroefluid.com](http://www.monroefluid.com)



**MONROE FLUID TECHNOLOGY** has been manufacturing fluids for the metalworking industry since 1958. We began with the introduction of COOL TOOL cutting and tapping fluid and followed up the success of that product with a complete line of cutting and grinding fluids, industrial cleaners and rust inhibitors to meet all your manufacturing needs.

Monroe Fluid Technology's quality management system has been continuously certified to ISO 9001 since 1994, and we strive to continually improve our process to manufacture the highest quality metalworking fluids and related products.



*Monroe Fluid Technology is an  
ISO 9001 Certified Company*

Distributed by:

Abrasive Specialties, Inc & Tools  
4201 Airport Road  
Cincinnati, OH 45226  
513-271-3883 / 513-271-3882 fax  
www.grithappens.com  
info@grithappens.com

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## TECHNICAL SUPPORT

- Lab personnel are available to answer your questions regarding selection, application, safety and maintenance of all Monroe Fluid Technology's products.
- Monroe Fluid Technology provides sample bottles, mailers and pre-printed return labels for routine analysis of in-use coolant samples at no charge.
- Monroe Fluid Technology can provide comparison analyses on competitive products to determine the best Monroe equivalent or improvement, based on machining processes and materials machined.
- Monroe Fluid Technology's "Coolant Management Guide" is available on our website to help you maintain our products at peak performance.

*This brochure presents some of our most popular product lines. Contact Monroe by phone or visit our website [www.monroefluid.com](http://www.monroefluid.com) for a more complete product listing.*

## CUSTOM BLENDING

Monroe Fluid Technology can provide custom blending of metalworking fluids and related products in our clean, modern blending facility. Our multi-purpose plant has a fully-staffed R&D laboratory. Our proven expertise and commitment to quality make us ideally suited to produce your coolant, using your formula or one designed by our experts.

## PARTNERSHIP PROGRAMS

We can work with your company to lower coolant - related expenses, which can ultimately reduce your per-part costs. We draw from a great deal of experience in working with companies to improve their bottom lines.

## VISIT OUR WEBSITE

Product information, including Safety Data Sheets can be readily accessed at [www.monroefluid.com](http://www.monroefluid.com)



36 Draffin Road • Hilton, NY 14468  
Phone: 800-828-6351 • Local: 585-392-3434  
Fax: 585-392-2691 • [www.monroefluid.com](http://www.monroefluid.com)