

Your Single Source Supplier For HVAC Manufacturing Fluids

- Fin Stamping Fluids
- Tube Bending / Expanding Lubricants
- Metal Finishing
- Tool Room Lubricants / Coolants
- Press Room Stamping Fluids
- Process & Maintenance Cleaners
- Rust Preventatives
- Maintenance Fluids



Metalloid Corporation

Formulating, Manufacturing, and Marketing Metalworking Fluids to a Broad Spectrum of Industries Since 1951.



Metalloid Research and Testing Center offers a full range of materials testing services to support our customers with the necessary information, and documentation for the proper materials selection, quality control, proper documentation, and failure assessment needed to conduct in-depth R&D. Testing methodology aligns with ASTM, ASHRAE, and industry-specific guidelines.

Metalloid Corporation knows that beyond the testing and research routine, customers occasionally need help with unique questions, situations, and problems. Our chemists and technicians have the experience to help with answers and solutions. We go above and beyond what it takes to maintain satisfied customers, and businesses running as smooth as possible.

Refrigeration Testing

- ASHRAE Standard 172
- ASHRAE Standard 218
- ASHRAE Standard 97

Ion Chromatography Determination

- Formic and Acetic acids
- Halides

Compatibility Testing

- Plastic/lubricant evaluations
- Polymer evaluates

Volatile Organic Compound (VOC) Content

- Thermal Gravimetric Analysis
- EPA method 24

Substrate Wettability Testing

Water Contact Angle

Metals and Elemental Spectroscopy

This determines the presence of additive elements, wear metals, and contaminants in used or unused lubricating oils and base oils by inductively coupled plasma – ASTM D5185.

Fin Stamping Fluids

FINWORKS 100

4 to 26 fins per inch dry to the touch film surface. Compatible with Low Global Warming Potential refrigerants as well as current Legacy refrigerants. Exceptional water wetting for the fin surface. (Data pack available)

FINWORKS 200

10 to 26 fins per inch dry to the touch film surface. Compatible with Low Global Warming Potential refrigerants as well as current Legacy refrigerants with exceptional water wetting for the fin surface. (Data pack available)

FINWORKS 300

6 to 18 fins per inch leaving very little residue. Does not cloud water leak test tanks. Great tool life. (Data pack available)

FINWORKS 400

3 to 4 fins per inch. Ultra-heavy duty vanishing fluid for aluminum, stainless steel, and copper fins.

FINWORKS 500

6 to 26 fins per inch that can be used for both fin stamping and tube bending eliminating two products. Compatible with Low Global Warming Potential refrigerants as well as current Legacy refrigerants. Multi-metal safe. (Data pack available)

FINWORKS 600

6 to 26 fins per inch. Low VOC fin stamping lubricant. Miscible with new and old refrigerant requirements.

FINWORKS 700

A multi-purpose tube bending and lubricant oil for benders and fin presses.

FINWORKS 800

A refrigeration fin and tube bending lubricant, that leaves low residues. Ideal choice for push pull tube expander. Meets all new and old refrigerant requirements.

FINWORKS 4200

6 to 26 fins per inch. Very low VOC fin stamping lubricant. Works with Metalloid TSL lube applicator for very low application rates. (Data pack available)

FINWORKS 1000

8 to 26 fins per inch. Very low VOC fin stamping fluid. Works with Metalloid TSL lube applicator. (Data pack available)



Tube Bending / Expanding Lubricants

FINWORKS 717

Synthetic copper tube bending lubricant for all new and old refrigerants. Compatible with Low Global Warming Potential refrigerants as well as current Legacy refrigerants. (Data pack available)

FINWORKS 720

Synthetic copper bending lubricant compatible with Low Global Warming Potential refrigerants as well as current Legacy refrigerants. Good compatibility with mineral oil and polyol ester.

FINWORKS 3197

Vanishing lubricant for aluminum tube bending and expanding. Compatible with Low Global Warming Potential refrigerants as well as current Legacy refrigerants.

ADVANCE 6124

A heavy-duty biodegradable lubricant for tube bending and expanding stainless steel tube.

ADVANCE 6170

An environmentally friendly weldable tube heat exchanger bending paste.

Metal Finishing

METKLEEN BC-300X

A metal finishing compound used to clean both copper and aluminum return bends. We also supply equipment and media to clean the return bends.



Media and Finishing bowls.

TSL LUBRICATING SYSTEM

The TSL lubricating system can deliver coating weights for low VOC and VOC products at 45 mg/sq/ft providing exceptional cost savings. It has safety systems in place for press shutdowns caused by low air pressure, low flow rate, low oil in tank and wick not closed on material.

Press Room Stamping Fluids

METCHEM 6620

A highly concentrated, synthetic lubricant designed for heavy-duty metal forming operations on ferrous and non-ferrous metals.

METCHEM 6850

A synthetic heavy-duty metal forming and stamping fluid with excellent boundary lubrication properties. Can be used on all ferrous and non-ferrous materials with additives to prevent rusting, staining or water spotting, and in addition, is fortified with an anti-leaching compound to protect cobalt dies.

METDRAW 711

A vanishing lubricant, containing a proprietary blend of lubricity additives.

Process and Maintenance Cleaners

METKLEEN 2080

A low-alkaline, all-purpose cleaner for all metals with high detergency and soil suspending properties, with built-in RP.

METKLEEN 2090

A low-alkaline, aqueous spray wash cleaner for soft metals.

METKLEEN 2120

A low-alkaline, aqueous hot-tank cleaner for soft metals with a unique surfactant chemistry that optimizes detergency and oil "split-out" from the cleaner bath for improved waste treatment.

METKLEEN 907

A low-foaming water-extendable metal cleaner for cleaning aluminum from punches.

METKLEEN 2140

A heavy-duty floor and all-purpose cleaner that cleans and deodorizes heavily soiled surfaces.

METKLEEN 2420

A heavy-duty sump cleaner and general maintenance cleaner to remove tough oils, greases, and shop soils.

METKLEEN 2070

A solvent-based maintenance cleaner.



Rust Preventatives

METCOR 71

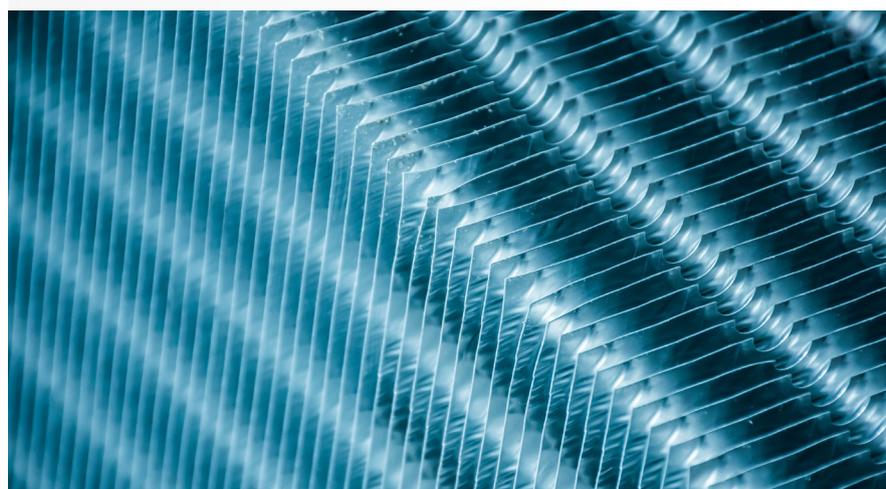
A botanical-based environmentally friendly, corrosion preventative that is both bio-degradable and chemically neutral.

METCOR 57

A solvent-based corrosion preventative for long-term indoor protection of ferrous and non-ferrous metals.

METCOR 746

An indoor, dry-to-the-touch, vanishing corrosion preventative.



Maintenance Fluids

HYDRAULIC FLUIDS

Premium ISO grade anti-wear, rust and oxidation-inhibited hydraulic oils blended from high quality paraffinic base stock. Available in ISO 32 through ISO 220 grades.

WAY LUBRICANTS

Fortified with a blend of refined lubricating oils and anti-wear additives specifically designed to provide maximum lubricity and long service life. Available in ISO 32 through ISO 220 grades.

GEAR OILS

A blend of refined lubricating oils, rust and oxidation inhibitors and extreme pressure additives. Available in various ISO grades as required.

AIRLINE LUBRICANTS

Exceptionally clean, low viscosity oils designed to lubricate and protect a variety of pneumatic and hand tools.

ALUMACOAT® Pre-Coated Internal Aluminum Tubing

Metalloid's state-of-the-art manufacturing facilities have specifically devoted to the process of inserting FinWorks™ lubricant internally into an aluminum tube. Our facility has coated millions of pounds of aluminum using this process.

- This technique allows expansion of the tube without additional lubricant.
- Our lubricants DO NOT require pre-cleaning prior to brazing.
- Compatible with Low Global Warming Potential refrigerants as well as current Legacy refrigerants.

Metalloid's FinWorks™ Advantage Program

Comprehensive...
Safe... Easy...
Proven.

Tool Room Lubricants / Coolants

ADVANCE 6030C

A heavy-duty, high-performance, botanical metalworking fluid for machining and grinding of ferrous, non-ferrous, and copper alloys.

SYNSOL 7000

A high-performance, heavy-duty, bio-stable, metalworking fluid for machining and grinding of ferrous and non-ferrous metals.



METSOL 9160

A high-performance, medium to heavy-duty, bio-stable, water-soluble coolant for machining and grinding of ferrous and non-ferrous metals.

TAPEZE X-2

An EP fortified paste for tapping all metals.

ADVANCE BOTANICAL HAND CLEANER

A heavy-duty waterless or water-dilutable cleanser for hand washing in the machine shop or any industrial facility.



One Source. One Solution. One World.



One Source: Metalloid is your single source supplier for “green”, HVAC, lubricants, and metalworking fluids.

One Solution: Innovative solutions designed to address tough challenges with trouble-free products.

One World: Commitment to doing our part for the planet by manufacturing products that are friendly to life and the planet we share.



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Professional Associations

