

metalloid

FINWORKS

FinWorks Advantage Program

Advanced Lubricant
Technology For
HVAC Manufacturing



Discover FinWorks™ Advanced System for Coil Manufacturing

- Manufacturing Technology
- VOC Compliance
- Lubricant Control & Application
- Coil Quality
- Corrosion Protection
- Extended Warranty Costs



METALLOID's FinWorks™ is the ONLY Lubrication Technology Endorsed by Burr Oak Tool, Inc.

FinWorks™ Advantage Program

A multi-faceted program addressing ALL the needs of the HVAC industry consistent with our One Source... One Solution ... One World philosophy.

- **METALWORKING LUBRICANTS AND SPECIALTY PRODUCTS:** Formulated for HVAC
- **METALFORMING LUBRICANTS:** Petroleum-based, evaporative or water-based chemistry formulated with natural, safe, "green technology" wherever possible consistent with our emphasis on life, environment and the world we live in.
 - "Dry to the Touch" evaporative and water-based lubricants
 - Fin Stamping lubricants for aluminum and steel
 - Tube Bending, Expanding and Cutting lubricants
 - Global Warming Tube Bending lubricants
- **CLEANERS:** Available in alkaline, acidic or "green" solvent-based formulations, pre-tested on HVAC alloys for compatibility and performance.
- **PRE-COATED ALUMINUM FIN STOCK:** FinWorks™ lubricants are applied electrostatically or rolled on at the aluminum mill. A "hydrophilic" coatings is pre-applied during the slitting process, at barely visible coating weights by the supplier, reducing both shipping and operating costs. The "hydrophilic" coating provides uniform coverage, improves surface wettability, corrosion resistance, and dewatering properties over "bare" fin-stock. The coils are rewound and direct shipped without additional lubrication required during the stamping process.
- **ALUMACOAT® PRE-COATED INTERNAL ALUMINUM TUBING:** Metalloid's state-of-the-art manufacturing facility is specifically devoted to the process of inserting FinWorks™ lubricant internally into the coil. 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.

METALLOID'S FinWorks™ Advantage Program
Comprehensive... Safe... Easy... Proven





FinWorks™ Advantage Program

A Partnership with HVAC Manufacturers

METALLOID'S COMMITMENT TO THE HVAC INDUSTRY

Almost 70 years of research, product development and satisfied HVAC customers is only the beginning for METALLOID. With decades of continuous improvement in real-world, high production environments, FinWorks™ defines what “leading edge” technology can and does mean to the HVAC industry.

To preserve our core HVAC business Metalloid strives to continuously improve FinWorks™ technology by engaging in analytical research and communication techniques in support of the HVAC industry and our valued customers. Our focus is centered on technology that first and foremost addresses worker safety, environment and regulation compliance, together with consistent quality of products and services that meet and exceed industry demands.

OUR WORLD CLASS RESEARCH CENTER PERFORMS

- Refrigeration Testing for Compatibility and Miscibility: ASHRAE 97; ASHRAE 86; ASHRAE 172P
- Formic & Acetic Acid Determination using ION Chromatography
- Plastic Compatibility testing
- Polymer Compatibility testing
- Thermal Gravimetric Analysis (TGA)
- Volatile Organic Compound Emissions Content (VOC)
- Wettability – Water Contact Angle Determination using Rame-Hart Goniometer
- Halide Analysis – Determination from Refrigeration using ION Chromatography
- Gas Chromatography with Flame Ionization Detector
- Total Acid Number via potentiometric titrator (TAN)
- Water Content Analysis using Karl Fischer titrator



FinWorks™ Advantage Program

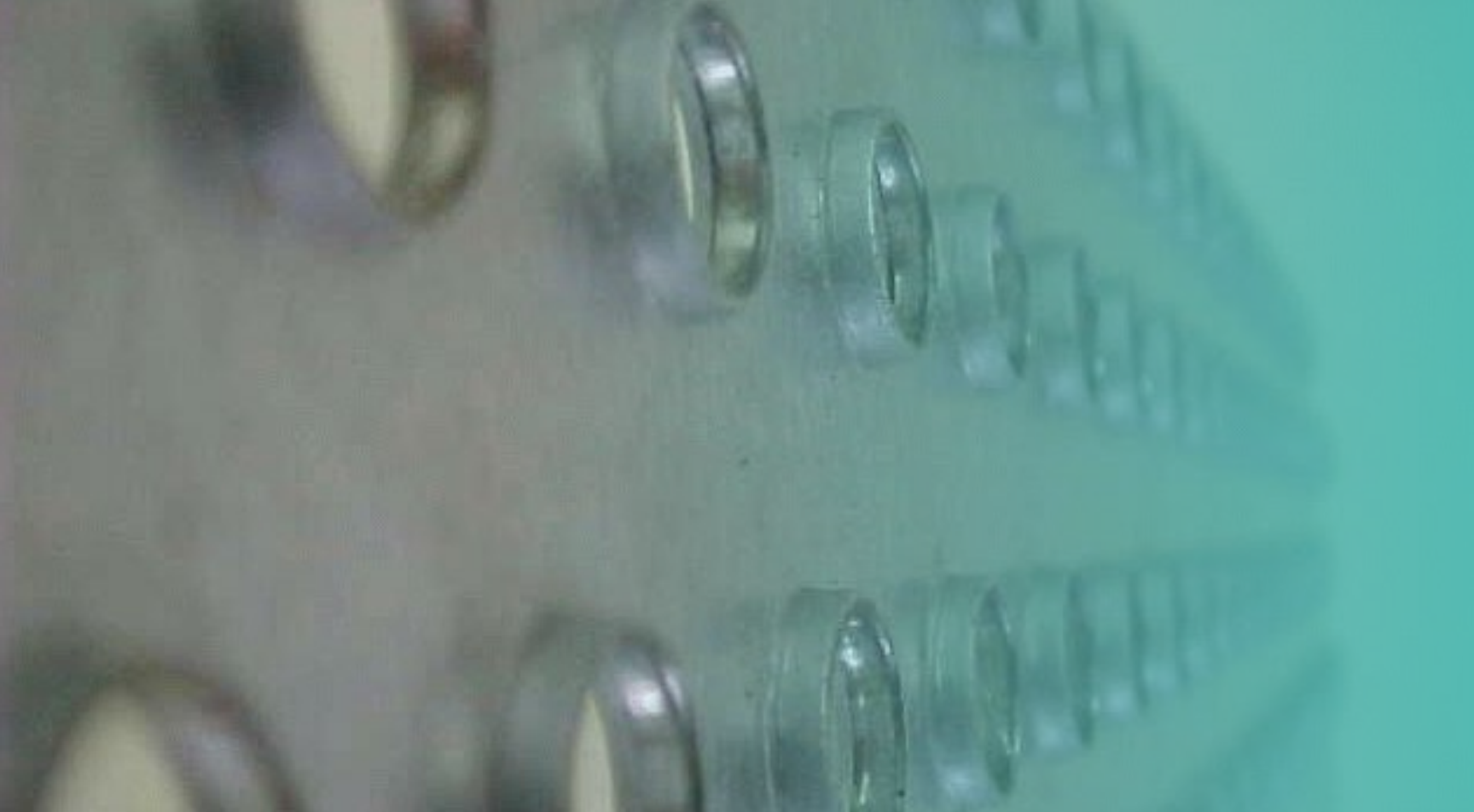
Cutting Edge – PROVEN – Technology

Worker Safety, Environmental and Industry Compliance

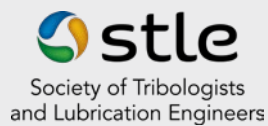
Continuous Quality Improvement

Decades of “hands-on” Experience

Overall Cost Reductions and Efficiency



Professional Associations



Metalloid Corporation - World Headquarters

1160 White Street
Sturgis, MI 49091
telephone 800.686.3201
facsimile 269.503.7795

Metalloid Corporation - South

1720 N. Quevado Street
Jacksonville, TX 75766
telephone 903.589.3933
facsimile 903.589.3924

Connect with us on Social Media



www.metalloidcorp.com