


**Global Manufacturer of Metalworking Fluids, Industrial Lubricants & Cleaners**



## ArrowBend

### Bending Lubricant Products







Visit [www.chemarroweurope.com](http://www.chemarroweurope.com) to learn more about our full line of metalworking fluids, industrial lubricants & cleaners.

Chem Arrow's ArrowBend series is a highly engineered bending lubricant line designed to meet the requirements of the tube bending industry. The ArrowBend series includes oils, greases and pastes developed for a wide assortment of alloys and applications. These products offer a unique barrier film which minimises friction and protects tooling and parts.

Chem Arrow's formulators have developed these products to be easily removed prior to painting, plating or welding.

These performance driven bending lubricants offer customers superior products designed to reduce total operating costs.

-  Economical to use
-  Good versatility on jobs
-  Excellent load carrying characteristics
-  High film strength & EP properties



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# Chem Arrow's Complete Line of Metalworking Fluids, Industrial Lubricants & Cleaners

## ArrowBend

- Designed to meet the requirements of the tube bending industry.
- Features oils, greases and pastes developed for a wide assortment of alloys and applications.
- Offers a unique barrier film, minimizing friction and protecting tooling and parts.
- Developed to be easily removed prior to painting, plating or welding.

## Applications

Bending  
Fabrication  
Tube bending

## ArrowClean

- Complete line of high performance, in-process cleaners that meet a wide variety of needs.
- Includes immersion, spray and dip applications as well as general maintenance cleaners.
- Offers faster cleaning which means reduced energy consumption and less maintenance down time.

## Applications

Cleaner  
Deburring  
Degreaser

## ArrowCool

- Soluble oil, micro-emulsion, semi-synthetic, and synthetic concentrates.
- Offers superior wetting, cooling and friction reducing properties.
- Excellent operator acceptance, extended sump life and low foam.
- Helps maximize production rates and accuracy of the finished part.

## Applications

Creep feed grinding,  
Drilling, Grinding,  
Milling, Sawing,  
Tapping, Turning

## ArrowCut

- Full range of premium neat cutting oils designed to satisfy a wide range of applications and materials.
- Includes fluids developed for stamping, drawing, machining and broaching.
- Formulated to increase productivity and lower your overall operating costs.

## Applications

Broaching, Cutting,  
Drilling, Grinding,  
Honing, Threading

## ArrowDraw & ArrowStamp

- Comprehensive range of neat, water soluble and vanishing oils developed specifically for the drawing and stamping industry.
- Formulated with some of the most advanced anti-friction and "extreme pressure" technology to prevent metal to metal contact with tooling, dies and finished components.
- Utilizes sophisticated polymer and bio-based "vegetable" technology to help promote environmental safety and hazardous waste reduction.
- Offers higher film strength, as well as thermal and oxidation resistance, that can greatly enhance overall efficiency.
- Used successfully on ferrous and non-ferrous metals including stainless steel and titanium.

## Applications

Bending  
Blanking  
Coining  
Cutting  
Die casting  
Drawing  
Forming  
Piercing  
Stamping

## ArrowForge

- Offers a complete line of synthetic and oil based forging lubricants for use on ferrous and non-ferrous metals.
- Designed to provide controlled metal movement, superior fill with less build up for extended die life and part cleanliness.
- Formulated to reduce smoke generation and other hazards during the production process resulting in a cleaner, safer work environment.

## Applications

Forging

## ArrowLube

- Provides increased productivity and reduced maintenance costs.
- Developed to provide superior wear, rust and oxidation protection as well as film strength characteristics necessary for the new age machine tools.
- With a complete line of hydraulic fluids, way lube oils, gear oils and specialty greases, Chem Arrow can supply all your lubricant requirements.

## Applications

Lubricating oil

## ArrowRP

- Designed to protect metal parts from rust and corrosion throughout the stages of manufacture, assembly, storage and shipping.
- Displaces water or coolant already on the parts.
- Removes slight dirt and offers the ability to dry parts quickly to be handled within a short time frame.
- Can be applied by dip, brush, roller, spray or flood.

## Applications

Indoor/Outdoor  
storage  
Short/Long term rust  
inhibitor  
Water displacing rust  
inhibitor

## ArrowSpecialty

- Chem Arrow has compiled one of the most comprehensive lines in the metalworking industry.
- Our research and development is tailored towards meeting the challenges of a variety of applications.
- The following operations — tapping, welding, misting — require specially designed fluids to help maximize productivity and increase efficiency.

## Applications

EDM fluid  
Reaming, Tapping  
Welding