

# ENGINEERED

# Products



## Industrial **OEM** Division

Full **Dimension Testing** Capabilities  
Complete Engineering Capabilities  
Flow **Modeling**  
Just-In-Time Delivery Systems  
Capability in **All Non-Ferrous Metals**  
Defined Process **Control Procedures**

Elkhart Products  
Corporation

EPC



# ENGINEERED PRODUCTS by **Elkhart Products Corporation**

At Elkhart Products Corporation's **Industrial OEM Division**, we use the combined advantages of sound research, excellence in engineering and exposure to thousands of our customers' problems to bring you practical solutions.

We stand ready to assist you in solving your engineering problems in tubular parts. Our facilities allow us to tackle complex design and fabrication problems. This includes our latest addition of pistons.

## PRODUCT Testing

- Tested to ASTM and ASSE specifications, including water hammer.
- Full 3X CMM capabilities.
- Pull, push and hangman test facilities.
- Metallurgical test and evaluation.
- Latest SPC software for both final and in-process testing.
- TS16949 ISO 9001 certified.
- UL registered firm.



**ISO 9001**  
CERTIFIED

ISO/TS  
16949:2009  
ISO PART  
10001275



## DESIGNED to your **Specification**

At Elkhart Products, we build according to your prints. Simply send in your prints to obtain a quote. We will generate your quote, with prints, for approval and customer sign off. PPAP/Samples are sent to you for approval.



## FLEXIBLE DESIGN and **Manufacturing**

We offer flexible design and manufacturing through our in-house engineering and design capabilities. We design and manufacture to meet your exact specifications.



## FABRICATION **Center**

Our fabrication center can provide you with solutions for repeat orders, and can provide cost savings for your projects today, and down the road.



## FORMED TUBES

- Infinite shapes and sizes.
- Full, tight radius bending capabilities.
- Elimination of brazed joints.
- Large tool and equipment inventory.
- Years of practical experience.



# Capabilities



## HEADERS and MANIFOLDS

- Eliminate joints, save space, reduce cost.
- Connect several tubes together without the use of tees.
- Complete tool range allows for headers in many tube sizes.
- Inlet and outlet openings available in a single row or double row.
- Holes can be staggered or parallel.
- Ends closed by spinning and rolling process to eliminate capping and joints.

## BRAZED ASSEMBLIES



## CONNECTORS and DISTRIBUTORS



- Full production brazing capabilities.
- Engineered services and customization available.
- Reduced design time, production time and expense.
- Fully inspected.
- Pressure testing available upon request.

- Wide assortment with multiple outlet configurations.
- Tooling available for special orders.
- Copper, brass, aluminum, cupronickel and stainless steel options.
- Multiple end configurations available.
- Variety of diameters, wall thicknesses and lengths available.

# CUSTOM BENDS



## Flat & Offset Bends

- Hold overall height to a minimum.
- Can be finished as special offset bends.
- Straight, expanded or swaged ends.

## 180 Return Bends

- Diameters from 1/8" to 2 1/2".
- Straight, expanded and swaged ends.
- Copper, brass, aluminum and cupro-nickel materials.

## Extruded Return Bends

- Various size openings from side or top.
- Adaptable to soldering or automated brazing.
- EPC is one of the largest manufacturer's in the industry.

## Spun Parts

- Can be combined with bending and extruding.
- Eliminates deep drawing, swaging, solder joints.

# PISTONS



- EPC is the lead supplier of hollow pistons.
- Light-weight hollow pistons result in low cost and high energy efficiency.

# ALUMINUM FORMED TUBES and ASSEMBLIES



- Production of aluminum formed tubes and assemblies.
- Capabilities include spinning, intruding, extruding, forming, bending and expanding.
- Most products shown in this brochure can be manufactured in aluminum.



# PLUMBING Products



## Push it, Press It, Sweat It ... For the Perfect Fit

We've made a name for ourselves in the plumbing industry with copper wrought fittings. We've shaped the future by making installation easier.

Elkhart Products Corporation's Engineered fittings feature TECTITE™ and CooperBite™ removable push fittings, as well as CopperLoc permanent push fittings. We've also partnered with Apollo Valves to offer you APOLLOXPRESS®, the largest line of AMERICAN MADE press fittings and valves in the marketplace.



**APOLLOXPRESS®**



**TECTITE™**



**CopperLOC**



**CopperBite™**



**WROTCOPPER**

Elkhart Products  
Corporation



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