



# Corrosion Solutions for the Mining Industry

*From Concept to Completion*



[www.tricorindustrialinc.com](http://www.tricorindustrialinc.com)

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#### **Tricor Metals**

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#### **Tricor Metals**

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#### **Tricor Metals**

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#### **Astrolite / Tricor Alloys**

##### **California Division**

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Phone: 805-487-7131  
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With decades of experience, **Tricor Metals** offers *cost effective corrosion solutions through design, engineering and optimum metallurgy*. Services include fabrication, welding, and field repair.

**Tricor Metals** is well positioned to support the mining industry with their equipment requirements. These requirements may include replacement of internals and other parts for dealing with aggressive acids/chemicals used in these extraction processes:

**High-Pressure Acid Leaching (HPAL)**

**Pressure Oxidation (POX)**

**Lithium Hydroxide Production**

**Lithium Brine Extraction**

**Electrolytic Refining**

**Tricor Metals** fabricates equipment from these Corrosion Resistant materials:

**Titanium**

**Stainless Steels / Duplex Stainless Steels**

**Nickel Alloys, including Hastelloy and Inconel**

**Tantalum**

**Zirconium**

**Tricor Metals** has ASME Code shops in Wooster, OH and Conroe, TX. We build processing equipment to help eliminate the challenges of general corrosion, crevice corrosion, pitting corrosion and galvanic corrosion:

**Autoclave internals (weir walls, inserts for lined vessels, dip pipes, nozzles)**

**Piping and Piping spools**

**Crystallizers, Reactors, Tanks, Pressure Vessels**

**Shell & tube heat exchangers, Plate and frame heat exchangers**

**Tricor Metals** sends **REPAIR CREWS** to mining complexes all over the world to inspect and **REPAIR** (weld) Corrosion Resistant equipment.

**Tricor Metals** can work with your designs, or can offer assistance in the **DESIGN** of all types of stationary equipment to worldwide standards



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**Tricor Metals** supplies fabrication equipment for the:

**GOLD** mining industry – Nozzle inserts, dip pipes, weir walls and oxygen spargers as well as field repairs of various components.

**NICKEL & COPPER** mining industry - Similar components including heat exchangers, vessels, piping and field repairs.

**LITHIUM** mining industry – Crystallizers, heat exchangers, piping systems, agitator shafts and more.

Highlights of equipment designed and fabricated by **Tricor Metals:**

#### TITANIUM WEIR WALL



#### DSS 2205 NOZZLE INSERTS



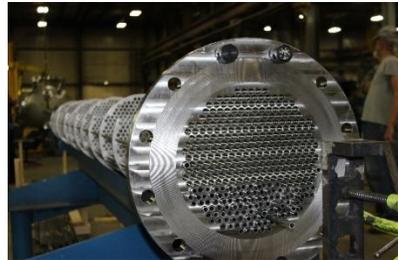
#### TANTALUM OXYGEN SPARGER



#### TITANIUM SLURRY PIPE SYSTEM



#### TITANIUM HEAT EXCHANGER



#### TITANIUM PRESSURE VESSELS



**Tricor Metals' Service Center** stocks Titanium Mill Products in multiple forms including bar, plate, sheet, piping, fittings, & forgings. Tricor Metals offers advanced processing including shearing, sawing, water jet cutting and (PMI) Positive Material Identification testing.

**Tricor Metals' Quality** - ISO9001:2008 QMS, ASME VIII Div. 1, ASME VIII Div. 2. & PED. Tricor Metals supplies fully traceable materials for advanced metal processing and fabrication techniques.

**EXPERIENCE MATTERS**