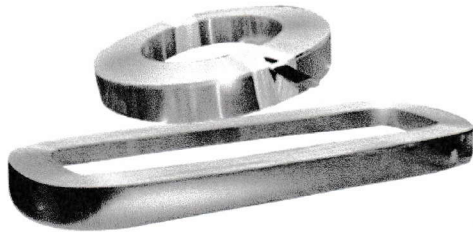


THE "LIFT" IS UN-LIMITED

ENGINEERED BY YOU, FOR YOU



Anodizing, AL2O3, is an anodic oxide film formed on aluminum having good mechanical properties, flexibility, hardness, corrosion and abrasion resistance. Typical anodizing is performed in batch or "rack" systems that require a positive contact with a conductor to facilitate the anodizing process. Our continuous process, although not entirely unique, allows for the conductor (aluminum strip) to act as the anode and the solution acts as the contact.

Power is determined by load and conductor carrying capabilities. The solution is a standard polyvalent acid diluted in water, providing an electrolyte that forms a very uniform and consistent finish edge to edge and coil to coil.

Anodic coating for conductor coils begins at .0002" (200 VDC) UP TO .001" (1000 VDC) thick.

Ano-Mag houses a 135 foot continuous coil anodizing line, slitting equipment, edge conditioning system, rewind table for magnetic conductor winding, taping and banding stations for finishing.

BENEFITS OF ANO-MAG COILS

- *Anodic Coating is highly adherent to the conductor.*
- *Maintains electric insulation properties up to 600° C and beyond.*
- *Radiation resistant.*
- *Filling Factor better than 90%*
- *Excellent heat transfer.*
- *Large conductor surface for cooling and resin wetting.*

DIELECTRIC AND THERMAL ADVANTAGES

The exceptional heat transfer of **Ano-Mag** coils provide any magnetic system with 100% duty cycle operation while maintaining consistent heat transfer throughout the magnet. No interleave or inorganic materials interfere with thermal stability, allowing for more current flow at an elevated temperature.

To achieve a magnetic system with the widest magnetic field and range while lowering its cost, size, weight and energy consumption the use of **Ano-Mag** coils is the answer. Repaired, replaced and upgraded with each conductor guaranteed to have the longest warranty in the industry.....period.

ELIMINATE WINDING WASTE

LESS IS MORE

Interleave choices such as Nomex® paper, polyester, aramids and mica have a limited Class K rating, **Ano-Mag** conductor coils exceed that rating by 300°C and perform up to the melting point of aluminum.

Electro-magnetic lifting and separating systems with **Ano-Mag** coils will provide a deeper field magnet and lighter weight coil to lift and replace the antiquated style of interleaving. Using **Ano-Mag** coils will eliminate the traditional "burn out" and corona breakdown found in present conductor designs and will outperform any system. To deliver dependable "Un-Limited" lift every time the winding waste must go.....

The pile of coil winding waste represents a 750 foot paper interleave. The .002" x 3.00" wide waste pile can be found in any number of magnet designs today. Consider the cost, time, labor and weight factoring into just one magnet and then realize that it is all just waste.... because it's still going to burn out and break down.

Ano-Mag coils eliminate the interleave and abandon the waste. Directly to your door, wound conductors of unparalleled superiority and backed with a industry first **10 year warranty**.

