

## Electromagnetic Design Advantages

How can we offer a **10-YEAR WARRANTY** against coil burn-out? And a **LIFETIME GUARANTEE** on magnetism?

With a history of innovative designs and over 100 years experience, Dings has developed the highest quality magnetic separators in the market. Because of this, we stand behind our products – offering the best warranties in the industry.

### Exclusive Coil Design Eliminates Magnet Burn-out

Dings electromagnets are wound with anodized aluminum strap, an exclusive design that **lasts longer and generates more magnetism than any other on the market.**

Coils wound with this material don't require insulation. You benefit from extra turns which fit into the same area – generating more magnetism and separating power. With aluminum strap, every coil turn is exposed to oil-cooling. With round wire, inside turns are not cooled evenly. These coil hot spots can cause magnet burn-out. Dings magnet coils stay cooler – and since electromagnets perform best at lower operating temperatures, this ensures a stronger, more efficient magnet.

Because each strap turn is in contact with oil, thermal expansion of the oil can be accommodated inside the magnet box, eliminating the need for an oil expansion tank.

