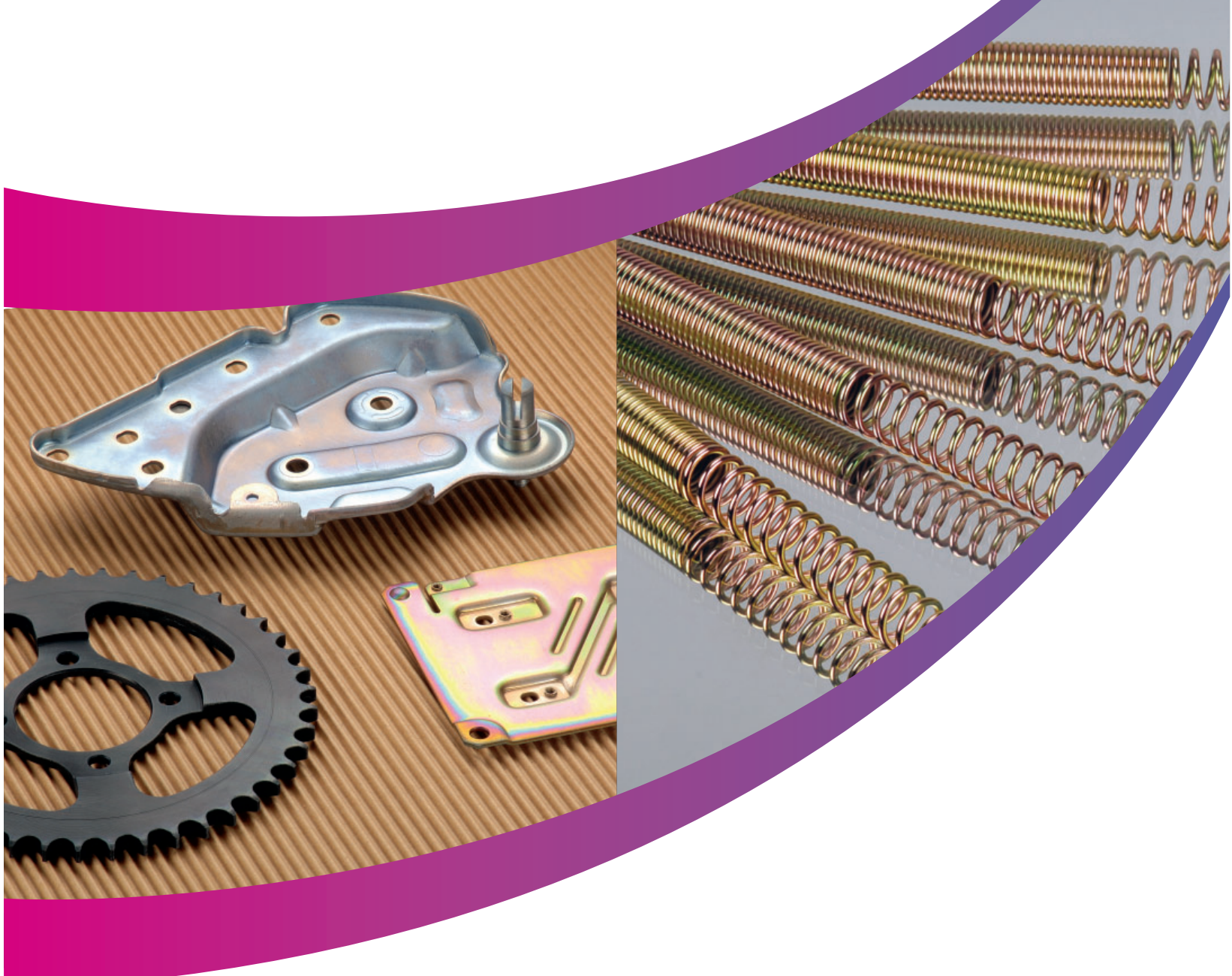


ZINC TECHNOLOGY



The use of zinc plating is rapidly increasing for rust protection and decorative applications, primarily due to escalation in cost of cadmium and nickel metals. It can also provide more uniform thickness, fill up difficult to plate holes or obliterate threads and conserve heating energy to a very great extent.



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Zinc Technology

It is an ideal replacement for hot dip galvanizing where high precision is desired. Latest developments enable zinc alloy plating for extremely high corrosion resistance nearing to nickel and sometimes in conjugation with certain passivations even better than nickel.

Cyanide Zinc - Zincbrite

- Concentrate brightener system.
- Operates at low dosage.
- Superb brightening ability.
- Suitable for vat and barrel operation.

Acid Zinc - Zinthobrite / Zincalite / Aquazinc

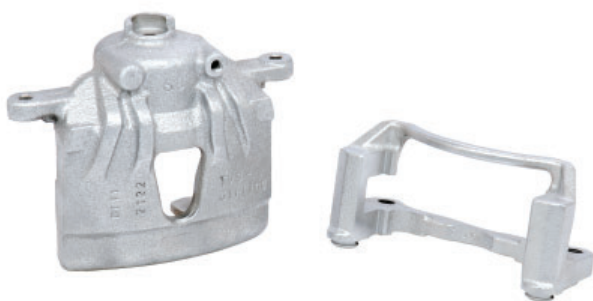
- Production proven brightener system with 'broad working' window.
- Higher 'cloud point'- no 'oiling out'.
- Facilitates high temperature operation.
- Operates at lower dosage.

Non Cyanide Zinc - Uniglo / Grovision

- Production proven brightener system.
- Eliminates cyanide in usage.
- Excellent thickness distribution - almost 1:1 at all current density area.

High Speed Zinc - Zinca HS

- Unique brightener system for high speed zinc sulphate plating process.
- Operates at higher current density - up to 1000 Amp/sq. ft. is possible.
- Suitable for continuous strips / wire plating.



Specially designed to be sustainable

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Zinc Alloy - Zincalume

- Complete package of zinc alloys;

Zincalume COZ - Acid zinc cobalt with cobalt%: 0.2-1.0%.

Zincalume ZCo - Alkaline zinc cobalt with cobalt %: 0.3-0.8.

Zincalume FeZ - Alkaline zinc-iron deposit with 0.3-0.6% iron in the deposit.

Zincalume FeZCo - % of alloying element: Iron + Cobalt ~ 0.3-1%.

Zincalume NiZ 551 / 651 - Alkaline zinc-nickel process induces 12-18% nickel in the deposit.

Zincalume NiZ 851 - Alkaline zinc-nickel plating with low nickel in the deposit - 6-10%.

Zincalume ZnI - Zinc-nickel plating process using acid electrolytes.

Zincalume SnZn - Neutral, Cyanide free tin-zinc alloy plating process to deposit semi-bright, homogeneous, tin-zinc deposit.

