

# zinc capabilities



## Company Profile

- Decorative and Functional Zinc Die Castings ranging from several grams to more than 15 pounds
- Alloys—Zamak 3,5 and ZA 8
- Founded in 1956
- 123,000 Square foot facility new in 1989 located in Grand Rapids, Michigan
- Over 35 Die Casting Machines ranging from 8 tons to 900 tons
- Full Engineering Capabilities
  - Rapid Prototyping
  - Design/CAD
  - Program Management
  - Quality Engineering
  - Flow/Thermal Modeling Capability
  - ISO 9001:2000 Certified

## Services Available

- Tumble De-gate
- Vibratory Finishing
- Thermal De-Burr
- Powder Coat
- E-Coat
- Chromate
- Decorative Electroplating
- Machining and Assembly

## Zinc Diecasting Advantages

Today's zinc casting alloys are strong, durable and cost effective engineering materials. Their mechanical properties compete with and often exceed those of cast aluminum, magnesium, bronze, plastics and most cast irons. These characteristics, together with their superior finishing capabilities, make zinc alloys the unquestioned material choice for the 21<sup>st</sup> century, because they'll save you time and money:

- **Assembly operations are reduced.** Entire assemblies can be cast as a single unit, eliminating the need for expensive manual assembly operations.
- **Less material is required.** Zinc's superior casting fluidity, strength and stiffness permits the design of thin wall sections for reduced weight and material cost savings.
- **Machining operations are reduced.** Due to the superior net-shape casting capability of zinc alloys, machining can be eliminated or drastically reduced.
- **Faster production and extended tool life.** Die casting production rates for zinc are much faster than for aluminum, or magnesium. Coupled with a tool life often exceeding 1 million casting cycles, tooling and machine usage charges are dramatically reduced.

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