

# Inside ICI

## Alcoa Howmet, O'Fallon Casting, Aristo-Cast Take Top Honors in 2010 Casting Contest

The three winners of the Investment Casting Institute's annual casting contest, conducted in conjunction with the 57th Technical Conference and Expo, represent aerospace, industrial and defense markets.

Taking top honors were **Alcoa Howmet** of Georgetown, Ontario, Canada for aerospace; **O'Fallon Casting** of O'Fallon, MO for defense products, and **Aristo-Cast**, Almont, MI for industrial.

In addition, four finalists were recognized: **Uni-Cast/Cera-Met**, Bethlehem, PA; **FENICO Precision Casting, Inc.**, Paramount, CA; **TPM**, Sugar Land, TX; and **Consolidated Casting Corporation**, Hutchins, TX.

Photos and case studies of winning castings and finalists are shown on the following pages.

Investment Casting Institute Executive Director Michael Perry indicated the contest provides a way of showcasing participating members' capabilities to end-use customers.

He noted recognition of the winners and finalists illustrate the strengths of the investment casting process and benefit the caster and customer alike.

"Just looking at some of these castings is enough to show what can be done with investment casting. Each internal passage, intricate coring detail, thin wall, and each difficult design element represents an advantage of the investment

casting process and a potential problem solved for the customer," he said. "The use of investment casting can often result in total cost savings, because of reduced machining and finishing, combining part details into a one-piece casting, or improving surface finish."

The casting contest, open to members of the Investment Casting Institute, was designed to recognize facilities which manufacture components that best illustrate and promote the benefits and flexibility of the investment casting process, or which demonstrate problem solving techniques for the customer.

In addition to recognition at the 57th Technical Conference in Dearborn, contest winners and finalists are expected to be recognized in other industry magazines.



### **ARISTO-CAST, INC. INDUSTRIAL WINNER**

**PART:** Diverter Body for Shower Valve

**SIZE:** 2.75" X 5.5" X 4.5"

**ALLOY:** 304 Stainless Steel

**NOTES:** Replaced machined-from-solid and assembled component. Several internal cored passageways.