

ARISTO CAST WINS BEST PROTOTYPE OR INNOVATION AWARD

Printed Investment Casting Shell of Fuel Nozzle

The American Foundry Society announced the winners of the Casting Contest in the May issue of *Modern Casting*. **Again and again**, Aristo Cast is recognized for the innovation they bring to the foundry industry. This time the award is for "Best Prototype or Innovation" for a proof of concept fuel nozzle produced using the printed investment casting shell (PICS) process. This fuel nozzle creates a fuel spray pattern for a complete combustion.

"We have developed a process allowing us to revolutionize the investment casting process," said Jack Ziemba, CEO at Aristo-Cast.

MODERN CASTING

Best Prototype or Innovation

Duplex fuel nozzle

Material: Stainless steel

Process: Printed investment shell

Weight: 115 grams

Dimensions: 2.5 x 1.5 x 1.5 in.

Application: Aircraft jet engine and land-based turbines

Customer: Internal design/proof of concept

- This fuel nozzle from Aristo-Cast creates a fuel spray pattern for complete combustion.
- Created as a proof of concept, the fuel nozzle was produced using the printed investment casting shell (PICS) process. Similar designs are produced using direct metal laser sintering (DMLS), but the PICS method cuts costs by 50% or more while eliminating barriers to creating a successful investment casting.



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