



Artcast, Inc. Lands a Big One with School of Fish Casting, Taking the Fine Art Award

To create sculptural enlargements, the company uses one of three methods: Freehand enlargement, Scan-Assisted enlargement, and Full-Digital enlargement. "For School of Fish we chose to use our new favorite method, which is the Full-Digital enlargement," comments Erich Knoespel. "This process takes a high-resolution 3D scan and a pattern is produced directly from the 3D file."

Monumental sculpture is created by casting the piece in sections that can fit within the constraints the foundry's shell dipping tanks, hence School of Fish was separated into fourteen printed sections. Due to the printed patterns accuracy on School of Fish, assembly went extremely well.

Through the use of Full-Digital Enlargement, Artcast successfully completed the piece with a high degree of dimensional accuracy not found in other enlargement methods, while at the same time minimizing costs and lead time normally associated with other manufacturing techniques.

PART: School of Fish

Size: 72" tall

Alloy: C87300 Everdur Bronze

Notes: Fine art investment casting uses 3D technology to create pattern.



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Aristo-Cast Takes Architectural Hardware Casting Award

An existing investment casting customer, known for light-weighting thru generative design, partnered with a jewelry company to design a very unique piece, an egg vase-light accent. The customer provided Aristo-Cast with a solid model.

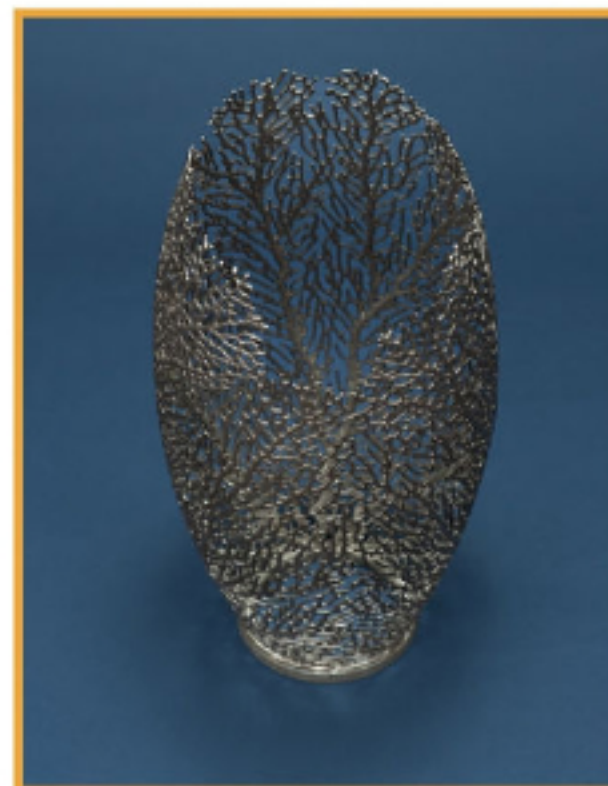
Due to the product's geometric complexity, pattern manufacture could only be effectively achieved by means of additive manufacturing. Using their in-house Voxeljet VX1000 machine to produce the patterns, Aristo-Cast successfully produced the casting on the very first attempt and shipped the architectural hardware to the customer within days after having received the solid model.

PART: Egg Vase-Light Accent

Size: 7.00 x 14.50" tall

Alloy: 300 Series Stainless Steel

Notes: Investment casting and additive manufacturing combine to create complex casting.



Aristo-Cast, Inc.