Pump Manufacturer

Reduce Impeller Prototype Costs Up to 90% and Decrease Lead Time by Weeks

Up to 4 inch diameter impellers shipped in 3-4 weeks, with thousands in savings.

Customer Challenge
Decrease cost and lead time to manufacture a new impeller design for performance testing.

The Solution
ExOne's 3D metal printing technology was used in 420 stainless steel and bronze.

ExOne's Competitive Advantage
Additive manufacturing offers a significant reduction in cost when compared to other methods.

About ExOne
ExOne offers digital part materialization using three-dimensional printing to create full-form parts directly from CAD data for a variety of applications. The technology is capable of a geometric complexity unachievable with conventional manufacturing methods.

Components produced by ExOne can reduce weight, integrate multi-piece assemblies, enhance product functionality and significantly reduce lead times for prototype and short-run production.

ExOne operates facilities across the Americas, Europe and Asia.

Specifications
Customer Name: Withheld

Batch Size: 1 piece

Part Size: 4 inch diameter

Traditional Pattern-Based Cast Method

Time: 6 to 12 weeks

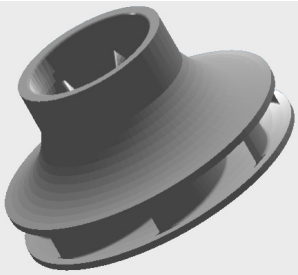
Cost: $2,000-$3,500

ExOne® Metal Printing Method

Time: 3-4 weeks from PO receipt to shipment

Cost: $150-600

CAD Rendering



CAD Rendering