



TECH CAST, LLC

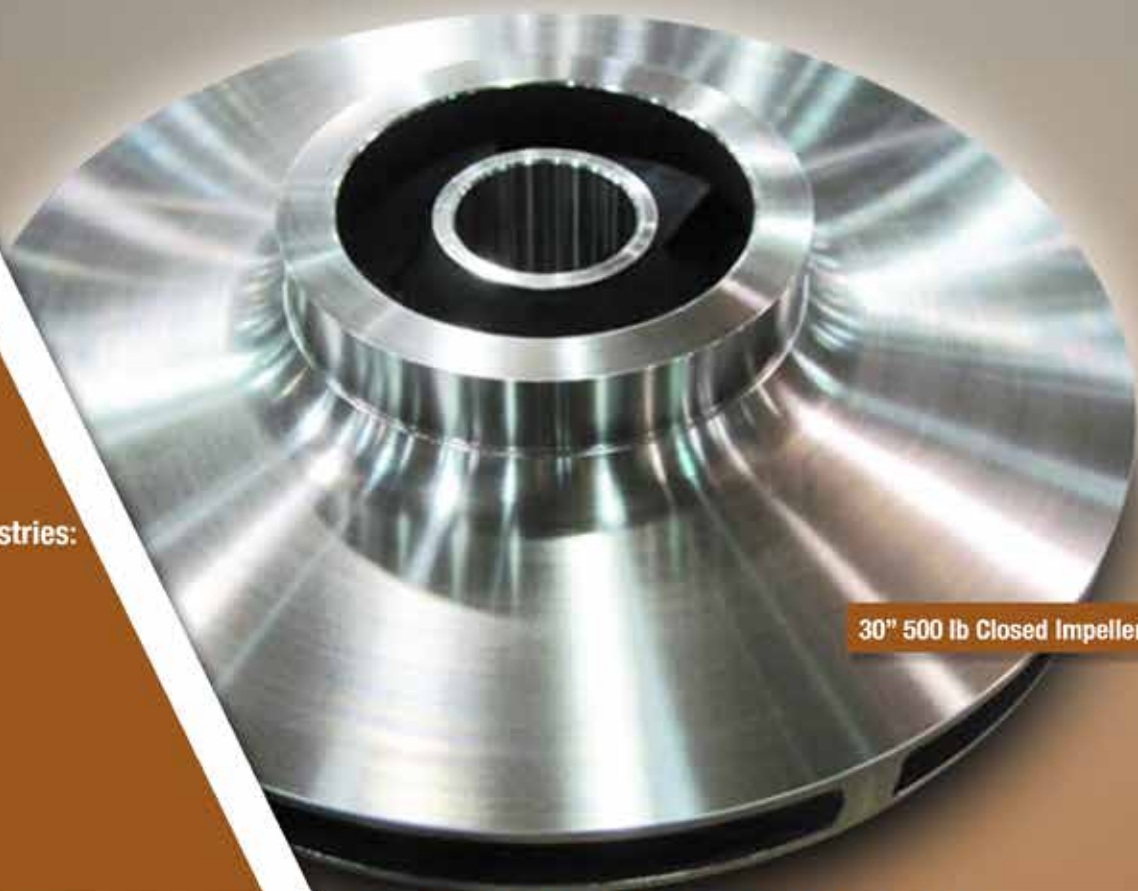
Investment Casting
EXPERTS

Capabilities

- Rapid Prototypes
- Large Parts – Castings up to 500 lb
- Closed Impellers

We Serve Critical Industries:

- Agriculture
- Medical
- Military
- Mining & Quarry
- Nuclear
- Oil & Gas
- Pumps & Valves
- Transportation



30" 500 lb Closed Impeller

Casting the Difficult with Precision



ISO 9001 Registered
www.techcastllc.com



The Tech Cast Difference



Finished Diffuser 21" 254 lb



CASTING THE DIFFICULT WITH PRECISION

Tech Cast is your partner in the engineering and manufacturing of precision complex investment castings. Lean initiatives and advanced process controls reduce waste, lead times, and improve efficiency. Our commitment to quality and to our customer is evident throughout the sales and manufacturing lifecycle. Our customers recognize Tech Cast as a trusted and dependable manufacturer with exceptional technical expertise to reliably cast the difficult with precision.

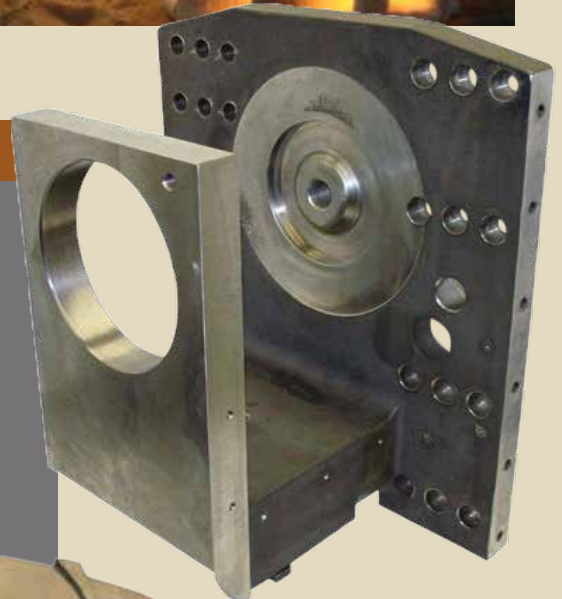
Overview

Tech Cast is a privately owned, nonunion, ISO 9001 registered investment casting foundry that produces investment castings in a diverse range of alloys including duplex and super duplex stainless steels, high and low carbon steel grades, and exotic alloys to meet your needs. Precision craftsmanship within a tight tolerance and quick turnaround is our hallmark.

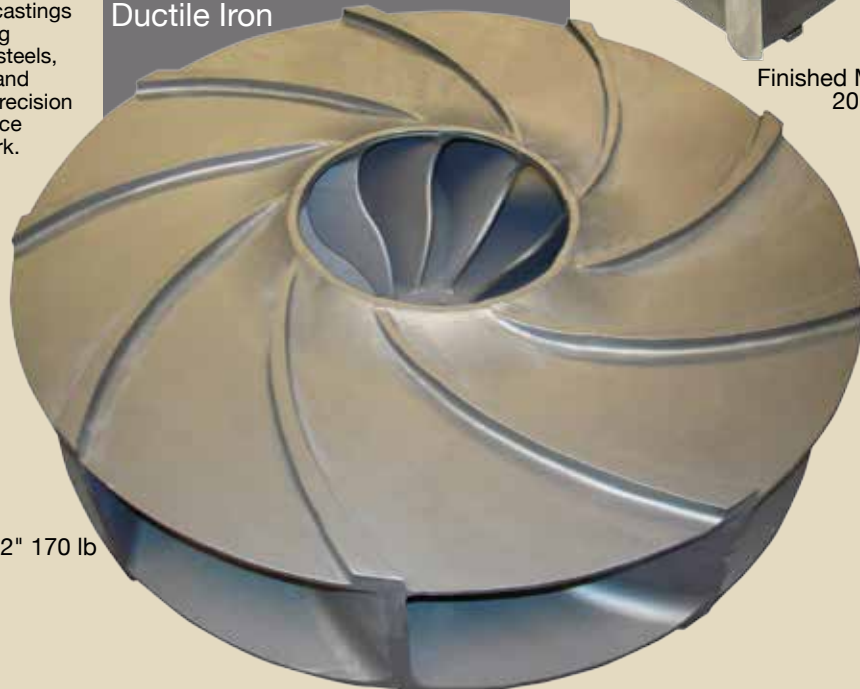
Capabilities

ALLOYS:

Carbon & Low Alloy Steels
Duplex/Super Duplex
Stainless Steels
Nickel Base Alloys
Non-Ferrous Alloys
Stainless Steels
PH Stainless Steels
Cobalt Base Alloys
Ductile Iron



Finished Machined Forkroller
20"x20" 290 lb



Turbine Fan Blade 22" 170 lb



Investment Process

Services

- Turnkey Machined Castings up to 500 lb
- Heat Treatment
- CNC Machining
- Hydrostatic Testing
- Surface Coatings
- Pickling / Passivation / Electro-Polishing
- Vibro-Polishing
- Nondestructive Testing
- Metallography
- Charpy Impact Testing
- Chemical / Physical Testing

Certifications

- ISO 9001
- PED 97/23/EC ANNEX 1
- AD2000 – Merkblatt W0

Rapid Prototyping

Tech Cast uses state-of-the art SLA rapid prototyping technology for producing complex prototypes up to 500 lb.



Industries

Tech Cast produces near net shape investment casting, serving several critical market segments.

OIL & GAS

Providing critical parts for sub-sea, oil field equipment and fracking, our competencies and components are supporting domestic and international interests for hi-tech applications.



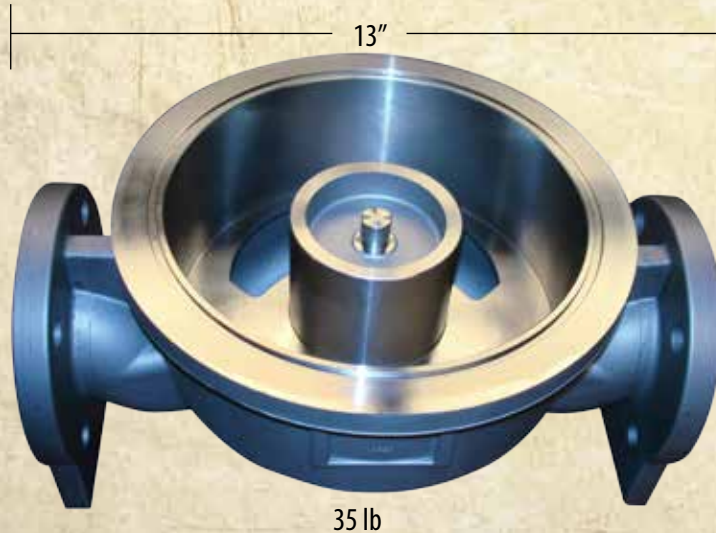
AGRICULTURE, MILITARY, MINING & TRANSPORTATION

Tech Cast produces parts of all sizes and shapes including complex geometries to diverse markets. Our parts meet the highest required standards for tolerances and component integrity for the nuclear industry. We are also a supplier of mission critical components to support programs for battlefield and shipboard applications, e.g., submarines and light armored combat vehicles for the military. Tech Cast provides rugged components that withstand the rigors of the mining industry and meet the lifecycle reliability requirements for all of these markets including agricultural and rail transportation.



Technology/Capabilities

- Air Melt Investment Castings
- SPAL Argon Blanketing
- In-House NDT Facilities
- 3-D Solid Modeling
- Solidification Modeling
- Fluid Flow Modeling
- (4) 1000 lb Air Melt Furnaces
- (2) 300 lb Air Melt Furnaces



Companies in many industries turn to Tech Cast for complex precision castings for demanding environments. We would welcome the opportunity to evaluate your industry's needs.



TECH CAST, LLC

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