



Investment Casting Services and Capabilities

◆ Complete In-House Capabilities

- Precision casting ---- Silica Sol Casting and Water Glass Casting
- CNC, Cad-Cam and Conventional Machining
- Pro-Active Design Engineering
- Tooling
- Lab and Testing Facilities
- CNC Welding
- Product Assembly
- Painting

◆ Ferrous, Nickel and Cobalt Base Investment Castings (1/4 oz. to 100 lbs. per piece)

◆ Strong Management Base

- For many years management experience in investment casting

◆ Competitive Cost with Pricing Stability

- CCC has recently implemented several major capital expenditures and process improvements designed to reduce cost
- Our geographic location provides us with stable and competitive labor rates combined with our advanced equipment, state-of-the-art facilities, technological advances and technical expertise enables Consolidated Casting Corporation to be highly efficient and globally competitive

◆ Manufacturing Process Under Control

- N.D.T. (x-ray, mag particle, etc.) and Statistical Process Control (SPC) are utilized to ensure quality
- Continuous Flow Manufacturing (CFM)

◆ Design Engineering

- SolidWorks and AutoCad can be used to facilitate design enhancements for our customers
- Interfaces electronically with customer's files in the early stages to maximize the advantages of our process, resulting in premium quality products at the lowest possible cost

◆ CAD/CAM

- Consolidated Casting Corporation's CNC machines are linked to MasterCam software to provide efficient programming for tooling and production machining
- Customer 3D files can be downloaded via email to insure accurate and economical tool building

◆ Tooling

- All tooling is designed in-house by Consolidated Casting Corporation
- Fully equipped in-house tool and die shop
- CNC turning and milling machines
- MasterCam and AutoCad software

◆ Rapid Prototyping

- Prototype castings can be made from various methods;
- Temporary or convertible wax injection pattern tooling-best simulated production process; virtually unlimited quantities and lower unit costs
- Machinable wax patterns-best suited for limited quantities of readily machinable shapes for testing purposes
- Sterolithography (SLA) models-best suited for urgent, limited test quantities and complex shapes



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