

Quality • Commitment • Stability

SINCE 1936

Industrial Ceramic Products, Inc. (ICP) operates a modern manufacturing facility with state-of-the-art thermal processing, focused on producing a diverse line of ceramic components for the investment cast and foundry industries.

ICP Ceramic Solutions

Founded in 1936, ICP was built on unyielding principles and a customer-focused mindset.

ICP is continually committed to providing practical solutions for high temperature problems by providing custom engineered ceramics. With an objective to consistently develop and manufacture value-added ceramic products for new and existing technologies, our goals become reality through the valuable customers we serve, worldwide.

As an ISO 9001 certified company, ICP pledges to meet a delivery date within 24 hours of receiving an order. ICP offers a ceramic solution for every investment cast challenge. Whether your need is a custom shape, improved ceramic material or simply to utilize our 75 years of expertise in ceramics, contact ICP for all your ceramic solutions.

With a complete line of ceramic products designed to heighten the quality of investment castings, ICP offerings include:

- *Internal Cores*
- *Pour Cups*
- *Tubes*
- *Ceramic Rods*
- *Rings*
- *Melt Out Plugs*
- *Double Cups*
- *Snouts*
- *Crucible Liners*
- *Risers*
- *Plates*
- *Custom Designs*



Investment Cast Products



Internal Cores

ICP is committed to the development and growth of ceramic injection molding—specifically for the production of internal cores. A variety of ICP's ceramic core compositions are approved for use in casting applications including medical, IGT and Aerospace castings. All cores are 100% leachable and our thermal processing capacity allows for high-volume production with shorter lead times.



Pour Cups

ICP ceramic pouring cups are an essential component of manufacturing quality investment castings. The pour cup is typically mounted to the wax down sprue and becomes part of the ceramic shell. This offers the advantage of mold stability and a strong target area for metal impact, as well as creating a lowered potential for inclusions due to shell breakage. Cups are created from a proprietary mullite or fused silica composition—designed to be compatible with investment casting mold materials.



Double Cups, Vent Cups, Filter Cups

Double cups and vent cups are designed to assist in the reduction of re-oxidation inclusions by allowing gases to escape the mold during casting. Filter cups are designed to accommodate filters designed for metal filtration.



Ceramic Rods, Cover Plates, Mold Plugs

ICP ceramic rods are used to reinforce investment molds to increase shell strength. Rods are available in many geometries and lengths. ICP cover plates are designed to cover the mold inlet during pre heat to minimize contamination. Mold plugs are used to seal shell areas that have been vented to facilitate wax removal.



Custom Products

ICP can extrude, compression mold or injection mold custom ceramic components while determining the most cost-effective method of manufacture. Shapes such as tubes, crucibles, rings, snouts etc. can be formed using mullite or fused silica compositions.

