



Aluminum Investment
Castings by the
Lost-wax Process



Shellcast Foundries

SHELLCAST FOUNDRIES INC. is a fully integrated, Canadian owned company founded by its President Bodo Morgenstern, in 1971. We are based in Montreal, Canada and are a major manufacturer of aluminum precision investment castings by the lost-wax process.

SHELLCAST is certified to ISO 9001, AS9100, NADCAP, and works in compliance with other standards such as ASTM, AMS, MIL. Production processes are evaluated under Statistical Process Control (SPC) using Six-Sigma Data.

Our production facilities comprise approximately 66,000 ft². All casting relevant processes are performed in-house. This includes a non-destructive test lab (NDT) for X-Ray and Penetrant inspection, a destructive test lab, a chemical test lab with arc emission spectrometer, heat treatment facility, CAD systems and CMM equipment.

SHELLCAST produces high-quality aluminum alloy castings using the shell process on automated production lines employing robotics. Casting sizes range from less than 1 in.² plan area, to a volume size fitting into an ≈3 ft. cube, with a single axis up to a length of 42 inches.

The Company has pioneered and developed a system to produce RAPID PROTOTYPE castings without hard tooling by utilizing resin models produced from a variety of processes. This prototyping capability allows for castings to be delivered in as little as four weeks.

SHELLCAST also offers such services as fully machined and finished “turnkey” options by working with select AS/ISO/MIL qualified machine shops.

A close relationship with our customers has given our company’s team of experts a keen awareness of the needs of the marketplace. This teamwork approach has enabled us to maintain a recognized high level of performance within the investment casting industry.

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