



ADVANCED CERAMICS
MANUFACTURING

The Leader in Water Soluble Tooling Solutions

Advanced Ceramics Manufacturing specializes in the development and production of water soluble mandrels, composite parts, and ceramic components for worldwide distribution. Our products and services are designed for applications such as Aerospace Defense, Aerospace Commercial, Defense, Manufacturing, Racing, Research and University uses.

Our services include, but are not limited to:

Precision Manufacturing

Technical Ceramics

Research

DIY Mandrel Materials

SOLUABLE TOOLING SYSTEMS

DIY Materials

AquaPour

- ✓ Dry powder - just add water to activate, then you can immediately cast
- ✓ Low viscosity mixture poured into female mold

AquaCore

- ✓ Moist sand that is pressure compacted into female mold
- ✓ Dehydration set to develop strength

ClaveCore

- ✓ Dry powder that is used to fill female mold and then heated to pre-expand the powder into a mandrel

FastPour

- ✓ Dry powder, just add water to activate, cast
- ✓ Sets fast & 800 F capable

Pre-Formed Mandrels

FastCore

- ✓ Molded at our in-house facility using a dedicated female mold

RapidCore

- ✓ Rapid prototyped at our in-house facility

ClaveCore

- ✓ Molded at our in-house facility
- ✓ OOA/Self-pressurizing for OML driven specifications

RTMcore

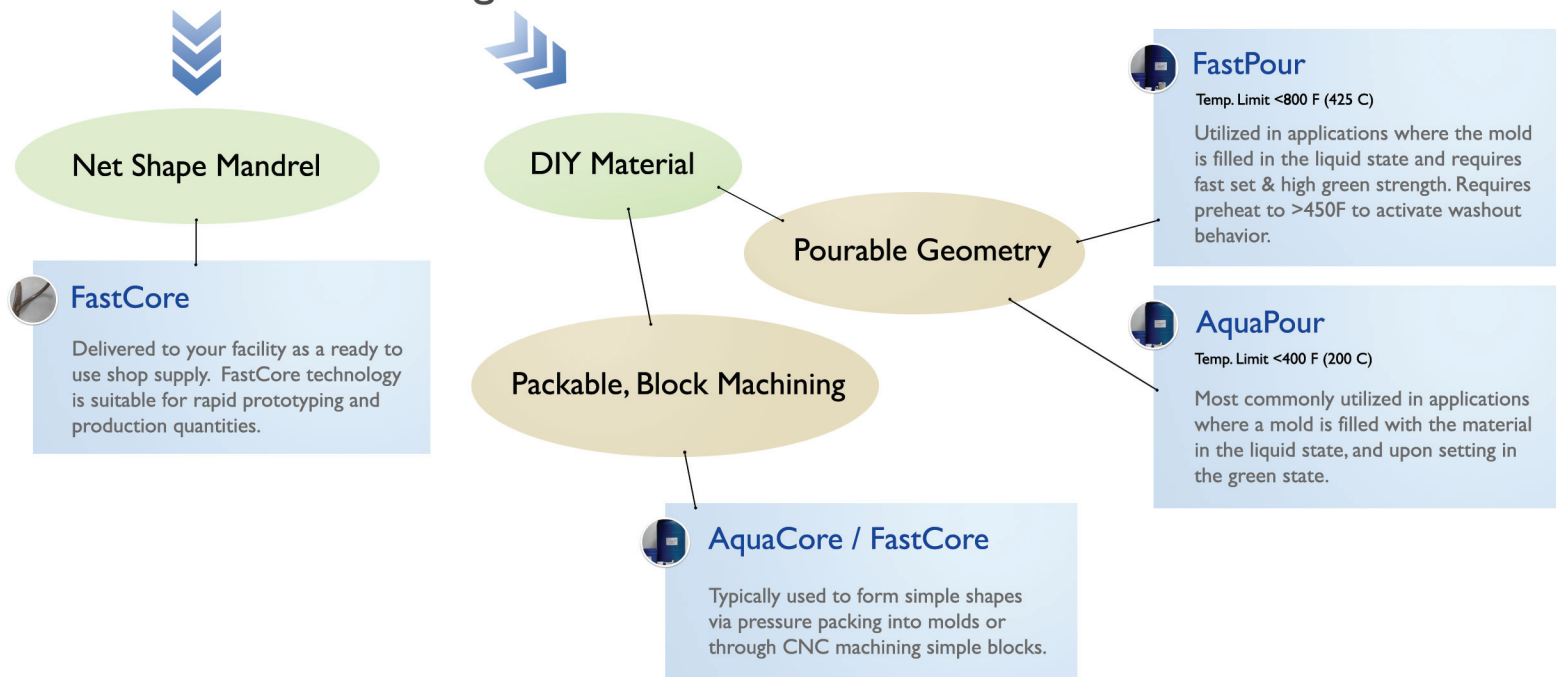
- ✓ Strong, non-porous and self-releasing

HT3

- ✓ Ultra high temperature system (>800 F)

PRODUCT SELECTION GUIDE

AutoClave / Vacuum Bag



Bladder / Silicone



Resin Infusion



To learn more information about our products, services and capabilities, please contact us.



**ADVANCED CERAMICS
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A Native American
Owned Small Business

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