

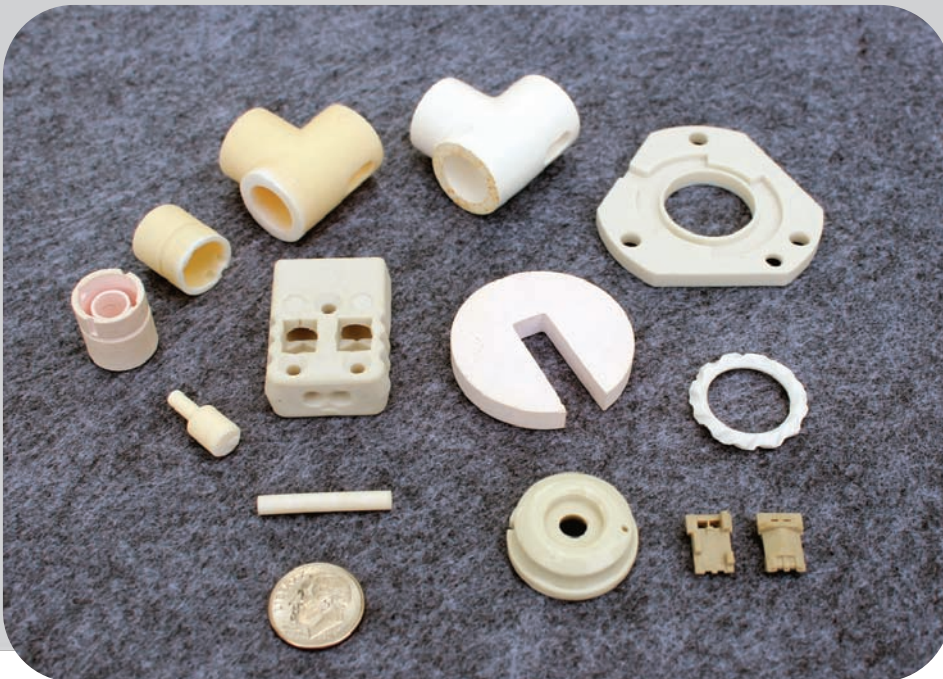
# AKRON CERAMICS

## CERAMIC INJECTION MOLDING

AKRON Porcelain & Plastics Company has the advanced technology and experience to effectively produce Ceramic Injection Molding (CIM) components. CIM has the following advantages:

- 1) Suitable for high-volume production of complex ultra-precision ceramic parts of various sizes in net shape.*
- 2) Offers the superior performance characteristics of ceramics along with the ability to attain extremely tight and uniform tolerances (+/- .005").*
- 3) Has the advantage of high-hardness, mechanical strength, wear-resistance and dimensional stability*
- 4) Operates at high temperatures, with excellent electrical insulation and dielectric properties.*
- 5) Accommodates high volumes with multi-cavity tools.*
- 6) Shorter tool lead times and lower expense than conventional compression molding.*

In addition, we offer the ability to machine in the green state design features that cannot be molded into the part. At Akron Porcelain & Plastics, injection molds are custom designed by our in-house engineering department, employing CAD systems and technical expertise. Prototyping, testing and evaluating are all integral aspects of producing the highest integrity parts. Our various CIM formulations are well suited for many applications including electrical, refractory and investment casting cores.



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