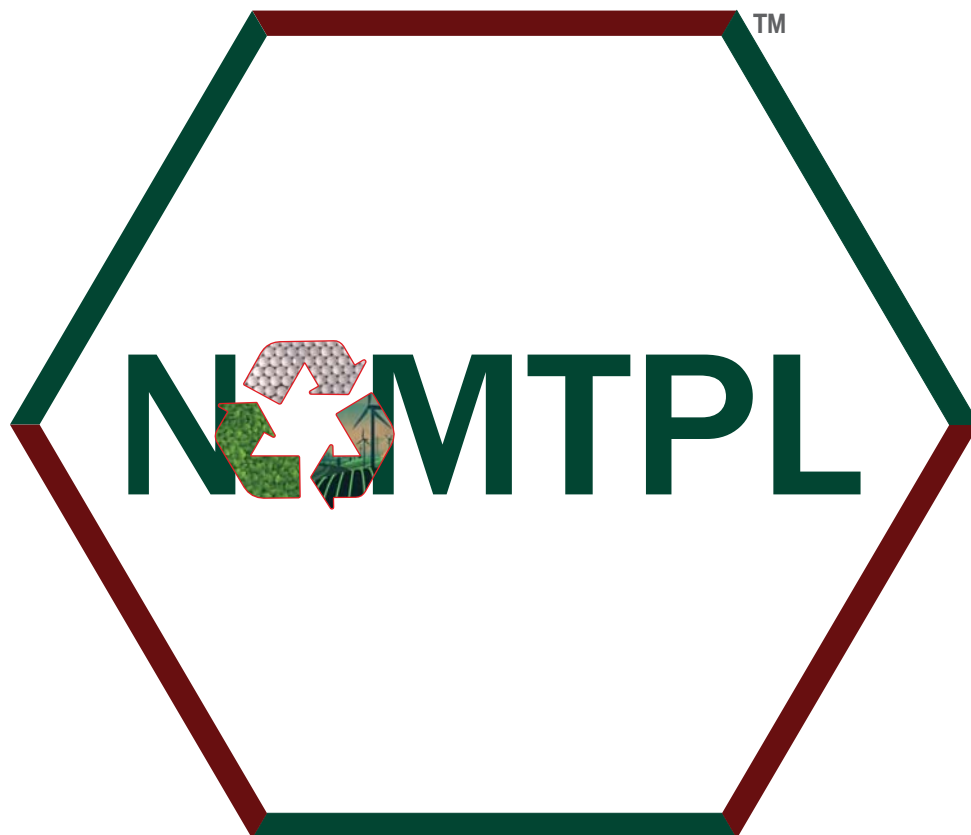
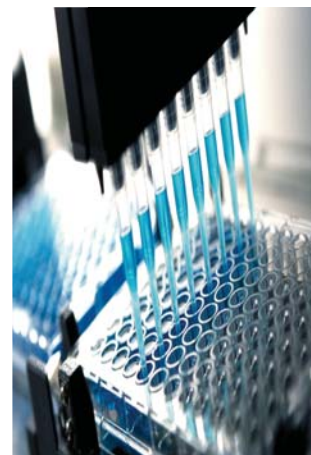
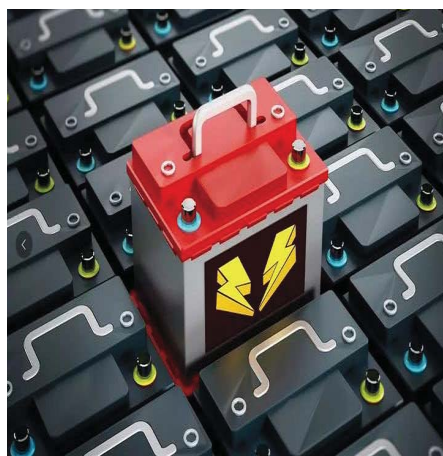
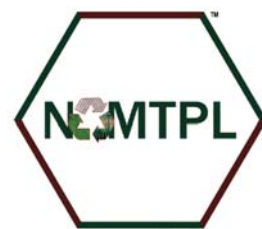




Innovating Sustainable Solutions for a Better Tomorrow

N Gandhi Advance Material Technology Private Limited
An ISO 9001:2015 Certified Company





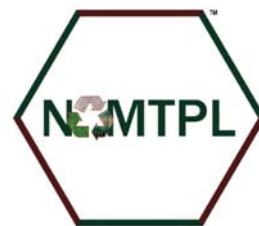
At N Gandhi Advance Material Technology Private Limited (NAMTPL), we are dedicated to developing and delivering advanced and technical ceramic products that empower industries to adopt cleaner, smarter, and more sustainable solutions.

With a strong foundation in **Renewable Energy Applications, Paint and Coating Industries**, and **high-performance technical ceramics**, NAMTPL continues to redefine quality and performance through **innovation and research-driven excellence**.

Our specialized range of ceramic balls and technical ceramic components is engineered to enhance efficiency, precision, durability, and environmental sustainability across multiple sectors — from energy and petrochemical processes to coatings, filtration, and mechanical applications.

Combining **modern engineering expertise** with an **eco-conscious approach**, we strive to contribute meaningfully to a **greener, more advanced industrial future**.

01



Ceramic Grinding Media

Zirconia beads



► Product introduction

It has the characteristics of ultra-fine crystallite, high density, uniform particle size and smooth surface. Non-standard grinding media can be customized according to customer requirements, with good wear resistance and high strength, which effectively reduces the grinding process cost.

► Particle size

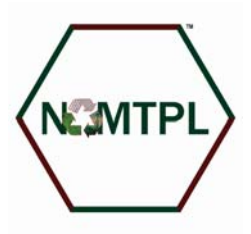
ZR95 Nano Zirconia Beads : $\Phi 0.05\text{-}\Phi 2.0\text{mm}$

ZR95 High-purity Zirconia Beads : $\Phi 0.3\text{-}\Phi 5.0\text{mm}$

► Application

Zirconia beads are commonly used for grinding and ultra-fine dispersion of lithium iron phosphate battery materials, silicon electrode materials, electronic materials, magnetic materials, carbon nanotubes, graphite and coatings, and are used in various fields such as new energy, minerals, paints and inks, food, medical care and cosmetics.

02



Ceramic Grinding Media

Silicon nitride beads



► Product introduction

Ultra-wear-resistant silicon nitride beads are high-end grinding media with low density, low wear and high efficiency, which can be applied to more grinding conditions and have better cost performance.

► Particle size

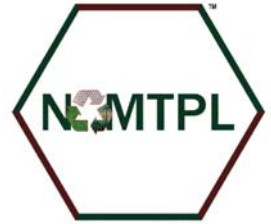
Ultra-wear-resistant silicon nitride beads : $\Phi 0.1\text{-}\Phi 3.0\text{mm}$

► Application

Silicon nitride beads are commonly used in silicon nitride powder, silicon nitride raw materials, high purity materials, new energy, photovoltaic materials, biomedicine and other fields, and can also be used in new energy, semiconductors, electronic materials and other fields instead of zirconia beads.



03



Ceramic Parts



A-ZR (Y8 Series)



The Y8 series is a composite stabilized zirconia ceramic material independently developed by us. With superior performance, it is more suitable for ceramic accessories used in dry grinding processes.

Representative Products: valve cores, plungers, classification wheels, agitation rods, wear liners, etc.



Y-ZR (3Y Series)



The 3Y series is yttrium stable zirconia part.

Representative products: Zirconia ceramic accessories for bead mills, ball milling jars, turbines, nozzles, molds, cutting tools, shafts, etc.



PR-ZR (Yellow Zirconia Series)



The yellow zirconia series is yellow yttrium stable zirconia part.

Representative Products: Valve cores, capstans, wire drawing drums, etc.



Alumina ceramic Series



Alumina ceramic series products include 95 alumina and 99 alumina ceramic parts.

Representative Products: electronic substrates, mechanical seals, medical plungers, corrosion-resistant piping & valves, etc.

Injection Molding Ceramic Parts

► Product introduction

We can customize injection-molded ceramic parts with different materials, colors and properties according to customers' needs, which have the characteristics of biocompatibility, good wear resistance, high strength and rich colors.

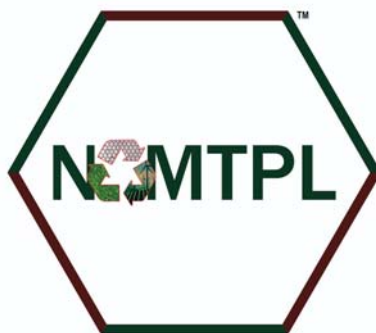
► Technological advantage

We adopts ceramic injection molding process (CIM process for short), which can mass-produce small, precise and advanced ceramic products with complex three-dimensional shapes.

- High degree of freedom in design: Special-shaped structures inside and outside can be designed, including internal thread, inverted buckle and small aperture.
- Higher dimensional accuracy: Generally, the tolerance accuracy of 0.5% can be achieved, and with other processing methods, higher dimensional accuracy can be obtained.
- Excellent material properties: High density, high strength, high fracture toughness and high hardness.



Global Presence



N Gandhi Advance Material Technology Private Limited
An ISO 9001:2015 Certified Company

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