



ZIRCONIA REFRACTECH
— PVT. LTD. —

Zirconia Refratch Pvt. Ltd.

High Temperature Furnace Division

www.zirconiarefratch.com

Directly from ceramic experts with 20 years of experience

About Us

Zirconia Refratech (“ZRPL”) is an initiative of Dr. Ram Purohit based on his 20 years of professional experience as **Refractory and Ceramic** scientist in the prestigious Bhabha Atomic Research Center, India.

We specialize in manufacturing zirconia-based sintered components for steel casting applications. Our need to sinter ceramic products at 1650°C led us to search for high-quality, high-temperature furnaces in India. When we couldn't find the desired quality, longevity, uniform heat distribution, and exceptional service in the Indian market, we made a strategic decision to start our own furnace manufacturing in 2021 for our internal use. Through continuous research and valuable experience, we're now launching our **High Temperature Furnace** Division to serve clients seeking high-quality furnaces.

Product Features and General Characteristics:

Temperature Range	Standard Dimensions
1200-1800° C	200 mm×200 mm×300 mm (H×W×D)
	400 mm×400 mm×600 mm (H×W×D)

**Note: Custom sizes can be manufactured as per your requirement*

- ⇒ Use of best quality electrical and refractory components to assure smooth running of furnace for long life
- ⇒ Multilayer insulation of refractory bricks and boards to ensure the skin temperature < 60° C
- ⇒ High mechanical durability and low power consumption
- ⇒ Readily availability of refractory and electrical spares including heating element
- ⇒ Use of micro-processor based Digital PID Temperature Controller / Programmer
- ⇒ Use of Pt/Rh calibrated Thermocouple (Type 'B') in pure Alumina Sheath to ensure a temperature accuracy of ±1° C
- ⇒ Use of high quality MoSi21800 or 1900 grade heating elements vertically suspended directly radiating on both sides of the heating cavity to derive symmetrical heat distribution.
- ⇒ Fiber wool sealing in the door for least heat leakage



Our Value



Continuous
Innovation



Serving the
customers



New opportunities



Supporting our
people

Why trust us?

- In-House Production: Quality controlled from start to finish
- Proven Performance: Backed by our own experience
- Best Price-to-Quality Ratio: Exceptional value for your investment
- Custom-Made Products: Tailored to your specific needs
- Comprehensive After-Sales Support: Dedicated assistance every step of the way
- 90% In-House Manufacturing: Minimizing outsourcing risks and ensuring quality
- Consistency: We deliver the same quality you deserve

Contact us



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