Kares Ceramic manufactures with utmost care hundreds of different ceramic pieces from 0.5 gr to 0.5 tonnes and from 1 mm to 1.5 meter for metallurgy, precious metals, high temperature furnaces and related industry expectations to meet at highest level. The raw material groups which we manufacture; aluminium oxide, zircon, mullite, fused silica and silicon carbide are basic engineered ceramics with main matrix.

We have been manufacturing ceramics with over 20 years of production experience in a closed area of 1000 m². Kares Ceramic’s clients include leading companies of Turkey and Europe, Asia, Middle East firms as well.

Kares Ceramic has been preparing powder granulations to form the highest quality products in the mixers of 50 kg and 500 kg and injection feedstocks by the twin-screw extruder as well. Ceramic parts are shaped by 150 tons of dry and semi-wet hydraulic pressing, gel casting, high pressure ceramic injection molding, 8, 6 and 2 KN vibrational casting processes according to the geometry, strength and quantity. Organic content and water of shaped parts are eliminated in the 700 °C 0.25 and 1 m³ debinding and drying furnaces. The products are sintered in the 1300 °C 0.25 and 0.5 m³, 1450 °C 0.25 and 2.5 m³, 1800 °C 50 liter high temperature furnaces. Before or after sintering ceramic parts are machined by grinding and milling in case of a very high dimensional accuracy desired.
ALUMINUM AND COPPER FOUNDRY

Kares Ceramic is the first and only manufacturer of specially shaped refractory parts used in aluminum and copper foundry in Turkey. Cross feeder, thimble, launder, nozzle, stopper, filter box, pouring and transfer ladles used in aluminum foundry and outokumpu crucibles, trough, launder, stopper, tandishes used in copper foundry needed high dimensional accuracy, high thermal shock resistance and non-wetting feature for sintered refractory parts can be easily provided by Kares.
JEWELLERY

In the jewellery industry, ceramic-graphite composite crucibles melted precious metals are produced in all standard sizes. We can serve to our customers even for low order quantities and we can even adjust dimensions of crucibles to meet customer’s specific capacity and dimensional needs.
INVESTMENT CASTING

Ceramic cores are produced for steel casting with zircon or fused silica matrix and for aluminum casting water soluble as well.
HIGH TEMPERATURE

Kares Ceramic can manufacture furnace apparatus like brulor-nozzle, carrier, profile, shelf, special plates, in resistant to high temperature and thermal shocks used in high temperature furnaces for ceramic, melting and heat treatment industry.

Specially shaped products working in hard conditions such as melted metal contact, high temperature, thermal shocks, starting from design one by one or thousands can be manufactured to be the highest level of quality to meet consumer expectations.
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