

Machining Capability Sheet – Building Materials, Ceramics, Stone & Glass

(IndiaUnbox Verified Factories & Artisan Units)

Ceramics & Tiles

- **Machinery:** Ball mills, spray dryers, hydraulic presses, roller kilns, glazing & polishing lines.
 - **Processes:** Vitrified tiles, porcelain, ceramic mosaics, sanitaryware molding.
 - **Capacity:** Small-batch prototyping → 50,000+ sq. m/day.
 - **Finishes:** Glossy, matte, textured, digital printing, nano-coated.
-

Stone Processing

- **Cutting & Shaping:** Block cutters, gang saws, bridge saws, CNC routers, waterjets.
 - **Surface Finishes:** Polished, honed, flamed, sandblasted, brushed, antique.
 - **Products:** Slabs, tiles, countertops, monuments, inlay panels.
 - **Capacity:** Blocks from 1 MT → 20 MT; slabs up to 3m x 2m.
-

Glass Manufacturing

- **Float Glass Plants:** Continuous float lines for architectural glass.
 - **Tempering & Laminating:** Tempering furnaces, autoclaves for laminated glass.
 - **Decorative:** Sandblasting, acid etching, stained glass, back-painted glass.
 - **Applications:** Façades, doors, partitions, furniture, mirrors.
-

Building Materials & Composites

- **Engineered Stone:** Quartz slab plants with vibro-compression & resin technology.
 - **Lightweight Panels:** Sandwich panels, ACP (Aluminum Composite Panels).
 - **Concrete & Cement Products:** Blocks, pavers, precast slabs with automated batching.
 - **Eco-materials:** Recycled stone dust composites, fly ash bricks, glass tiles.
-

Testing & Quality Control

- **Ceramics:** Water absorption, modulus of rupture, thermal shock, abrasion resistance.
- **Stone:** Compressive strength, porosity, slip resistance.
- **Glass:** Impact resistance, UV stability, safety standards (EN, ASTM).

- **Certifications:** ISO, CE, BIS, ASTM, GreenPro.
-

Sustainability & Compliance

- Solar-powered kilns & polishing units.
 - Water recycling in stone cutting.
 - Use of recycled materials in composites.
 - Certifications: ISO 14001, LEED, GreenPro, eco-labels.
-

Regional Strengths

- **Morbi (GJ):** Ceramic & vitrified tiles hub.
 - **Kishangarh (RJ):** Largest marble & granite cluster.
 - **Agra/Jaipur (RJ):** Stone inlay, sandstone, handicraft stone.
 - **Firozabad (UP):** Glassware & decorative glass.
 - **Bengaluru (KA):** Granite & engineered stone.
-

IndiaUnbox Assures:

- End-to-end development from **design → prototyping → large-scale supply**.
- **Certified factories** with global compliance.
- Export-grade crating & packaging for fragile goods.
- On-time global deliveries.

 [Download Machining Capability Sheet \(PDF\)](#)