

Production Strength (Tiles)

Production Facilities

Star ceramics believes that to create quality products. One needs quality production setup. The company has brought in the best production facilities from the world with a huge capacity and state-of-the-art machinery. The automated production line is supported by swift computers and latest technology. What's more, the technical staff is well experienced in diverse fields too. Bangladesh's biggest production plant for 900 x 600 mm or 600x 600 mm tiles.

Facilities for size 900x600 mm/ 1200x600 mm

- Capacity : 15000 sq. mtr. Per day
- Kiln : Longest Kiln with length of 182 mtrs from SACMI — FMP Model
- Press : PH 5000 tons —04 nos. from SACMI
- Feeding system : multi charged modular
- Polishing line : Biggest Polishing line with 64 heads from KEDA + 48 HEADS FROM KEDA
- Polishing machine with Nano facility
- Automatic measurement for size as well as planarity of the tile (sizer /Planer machine from Italy)
- TGV (TRACK GUIDED VEHICLE) Robotic equipment for automatic control of storage & movement of tiles
- Digital Machine 6 color bar from Italy. (Result we can get up to 8 gray scale)

Milestones and Sobriquets

- ISO 14001: 2012(For implementing an Environmental Management system for the Manufacturing of Ceramic Tiles.)
- OHSAS 18001: 2009(For implementing an Occupational Health & Safety Management System for the Manufacturing of Ceramic Tiles)
- ISO 9001:2008 Certified and ISI Certified
- Nano technology – introduced for the first time in Bangladesh
- Exclusive plant for 900 x 600 mm and 1200x600 mm tiles
- Longest kiln and polishing line in the industry
- State of the art technology in manufacturing process
- Global Technology Supporter – Italy, Germany, Spain, Japan & China
- Europe's CE Approved

Research & Development



Meeting international standards in the ceramic industry can be a cumbersome task if not properly planned. Securing third-party approvals might inadvertently delay product launch plans and increase overhead costs. With a well-equipped in-house lab, product adjustments can be done in a jiffy according to standards. Star ceramics research and development laboratory is the biggest in Bangladesh in terms of sheer complexity and size. The R&D facility has the best setup for conducting rigorous testing on its products to meet international standards and certification requirements. The R&D facility provides immense benefits in terms of improved economies of scale, quick identification of product flaws, and quicker lead time to market with modified or new products. The lab is well equipped with several testing instruments and apparatus managed with assured and comprehensive quality control. It is our dream to establish the Star research center as the pioneer of research in the Bangladesh ceramic industry.

- **AUTOMATIC PRESS:** Prototype of SACMI press which can generate similar production data by controlling specific pressure.

- MODULOUS OF RUPTURE EQUIPMENT: Automatic data-controlled computer of modulus of rupture for different types of tiles by simulating the load-bearing capacity, breaking strength and modulus of elasticity.
- WATER ABSORPTION EQUIPMENT: Consists of vacuum method equipment which defines precise water absorption characteristics of tiles.

Nano technology has to do with a micro scale measured in nano meters (1 billionth of a meter, which is roughly 1000th of the thickness of a human hair). In ceramics, tiles faces are coated with nano-sized ceramic particles that penetrate micro pores of the surface with the help of suitable suspension agents, all applied under very high pressure with a special imported machine. Such nano technology helps the tiles face gain a never-before glossiness of at least 90%. Along with other desirable characteristics like skid resistance, stain resistance, durability and easy maintenance.

The NANO advantages

- More than 90% glossiness
- Smooth, homogeneous surf
- Stain free
- Durable
- Low maintenance
- Environment-friendly nano tech coating materials