



## WHO WE ARE



NEPTUNE offers Turn-key projects, Plants, Equipment, Special Purpose Machine (SPM) Development for various ceramic industry segments like Sanitary Wares, Electro Porcelain Insulators, Refractory, Table wares, Technical ceramics. Tiles & Heavy clay as well as Building material & construction industry segments like fly ash bricks, concrete blocks, pavers, tiles & Aerated autoclave blocks (AAC Blocks/Panels). Light Weight Aggregate (LWA / LDA), Thin Bed Mortar / Binder, Waste Re-Cycling, Waste Utilisation, Briquettes /Pallets from valuable Iron & Alloy, Ores /Fines / Coal dust.

NEPTUNE operates from well equipped machine & fabrication shops facilities spread in 3 Mfg. units with 100,000 sq. ft. built up area with customer friendly marketing team, Experienced Engineering & Design Team with utilizing Auto CAD & Solid Works Engineering software & modern methods of Quality Standards.

NEPTUNE is fastest growing engineering company, always plays an important role in bringing globally latest technology at cost effective proposition & working as a forward looking and innovative project partner for their customers.

## our VISION

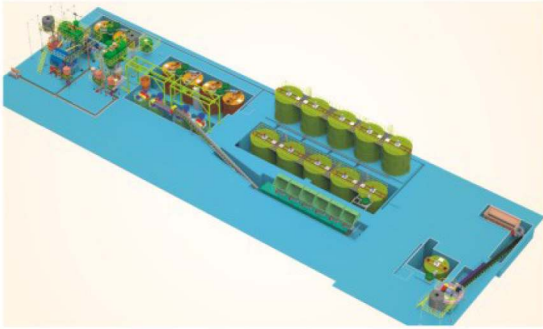
We shall be the global leader and respectable engineering company Providing Turn-Key Projects & Equipment for Ceramic & Building Material Industries.

## our MISSION

Our mission is to be globally best value provider to our customers through leveraging technology and competencies

We shall achieve it by creating a culture of self-striving with focus on total employee involvement towards customer satisfaction. Our approach shall be value based as a responsible member of our focus industries and the society, contributing to its growth and development.





## SLIP & GLAZE PREPARATION EQUIPMENT

### FOR SANITARY WARES, INSULATORS, TILES, TABLE WARES AND TECHNICAL CERAMIC INDUSTRIES

- Designing and manufacturing custom built / tailor made complete slip house system with fully auto PLC / SCADA Controlled System
- Ball Mills for slip preparation, capacity - 50 to 40,000 Kgs / batch with Auto Timer Controlled System along with revolution counter and Variable Frequency Drive System.
- Ball Mills for Glaze preparation, capacity - 50 to 20000 Kgs / batch with Auto Timer Controlled
- High Speed Blunger from 100 Kgs to 10 tons/batch capacity
- Medium Speed / Slow Speed Blunger from 2 tons – 14 tons/batch
- Agitator / Slow Speed Stirrer for slip / Glaze tanks from 1m<sup>3</sup> – 200 m

## MOLDING AREA PLASTER WATER MIXING PLANT

- PLC Based, Fully Auto, Batching, Weighing and vacuum mixing plant
- Automated Mold Making & Handling Plant
- Duo Flow Mixer (Vacuum Mixer) : 200 - 300 Liter capacity
- Duo Flow Mixer (Vacuum Mixer) : 15 - 50 Liter capacity for Table Wares
- Auto Blade Washing System Offered with Mixer
- Dust Extraction system offered with complete plant
- Mold Storage & Handling System with Pallets



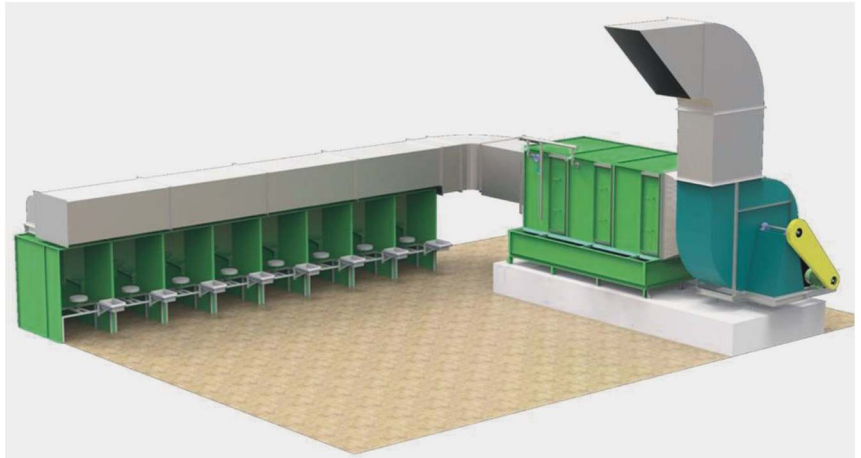
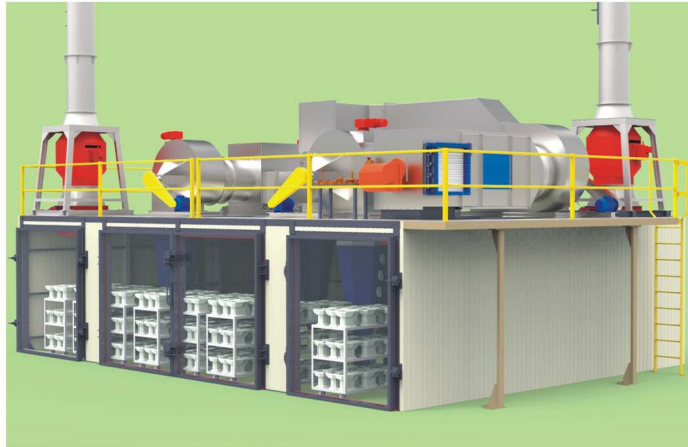
## CASTING TECHNOLOGY MECHANISED / SPAGLESS

- High Pressure Casting Machine
- Sophisticated under bench heating & Plant Environment Control system
- Battery Casting Plant with auto slip transfer & casting system
- Multideck Greenware Storage System
- Semi Robotic De-Molding Device For EWC / Closet / One Piece Closet / Wall Hung product

## DRYING SECTION

### MOLD / GREENWARE DRYER

- Chamber Dryers & Mold Dryers with waste heat Utilization
- Fully Automatic Drying System
- Chamber Dryer CDC & CDA Design  
Capacity 24 - 75 Cars / Batch
- Mold Dryers - Capacity 100 - 200 Molds / Batch



## FINISHING & GLAZING AREA

### GLAZE SPRAY BOOTHS & INSPECTION BOOTHS

- Wet back / dry back designs with 100 % glaze reclamation
- Booth construction : SS 304 / 316 / GI
- Glazing system with carousal conveyor & Manual booths
- Glazing system with Roller Conveyor & Manual boots
- Inspection Boots / De-dusting Booths / Repair Booths
- Inspection booth with wet scrubber (Zero Dust Gurantee)







## UNIVERSAL WARE GRINDING

CNC / SEMI AUTOMATIC/  
MANUAL

- CNC operated automatic grinding machine
- Compatible for all type of sanitary wares
- Sound Proof Enclosures
- Dust Extraction system for Mist
- Back RIM Counter Top attachment

## CULL / PITCHER CRUSHING & MILLING PLANT



- Cull / Pitcher Breaking with Specially Designed Hydraulic Breaking System
- Safe Breaking Operation as there is no spillage while breaking
- No Pre-breaking required as whole ware can be FEED in the breaking system
- Special Developed Impact Crusher incorporated for secondary crushing
- Continuous ball mill incorporated for final milling operation
- Total System Capacity up to 0.5 to 2 tons / hr
- Final Powder Size up to 5mm to 300 Mesh



## WHITE WARE DIVISION

- TURN-KEY PROJECT FOR SANITARY WARES (200 THOUSAND PCS TO 2 MILLION PCS / YEAR)
- TURN-KEY PROJECT FOR TABLE WARE / BONE CHINA / STONEWARE (2-10 TONS / DAY)



## ELECTRO PORCELAIN INSULATOR DIVISION

- TURN-KEY PROJECT FOR HOLLOW & SOLID INSULATORS CAPACITY 1000 - 40000 TONS / YEAR
- DE-AIRING PUG MILLS & VACUUM EXTRUDER 50-910 MM
- CNC TURNING & BORINT MACHINE

## REFRACTORY & TECHNICAL CERAMICS DIVISION

- RAW MATERIAL BATCHING, WEIGHING & HANDLING SYSTEM
- CONTINUOUS BALL MILL / GRINDING MILLS
- INTENSIVE MIXERS / RIBBON MIXERS / SIGMA MIXERS



## HEAVY CLAY DIVISION

- TURN-KEY PROJECT FOR RED CLAY BRICKS 10-100 MILLIONS / YEAR
- COMPLETE PLANT WITH ITALIAN TECHNOLOGY
- JOINT VENTURE WITH ALPINE - ITALY

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## Neptune Industries Limited

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