

FORGING INDUSTRY

HARDENING TEMPERING PLANTS

- Latest roller type with 5yrs tray life.
- Pusher type with tray quench system.
- Non tray roller type for small jobs.
- Rapid cooling rates.
- Uniform Temperatures.
- PLC controlled systems.



Roller+Tray



Only Roller



Pusher



SALT BATH & TEMPERING FURNACES

- Gas Carburizing Furnaces.
- Salt Bath Furnaces.
- Tempering Ovens.
- Electrical, Gas, Oil Fired.



AL. SOLUTIONIZING & AGEING OVEN

- Aluminium solution treatment furnaces.
- Al. Flash annealers.
- Al. Ageing Ovens.



ALUMINIUM MELTING FURNACES

- Revolutionary Dry hearth melting crucible holding concept.
- Gas/Oil fired smokeless, direct melting indirect holding.
- Melt Loss reduced.
- Recuperator.



COMBUSTION ENGINEERING

- Specialized in combustion Engineering Technology.



Gas Fired



Diesel Fired



Hot Air Generator



Dhanaprakash
Industrial Corporation

FOUNDRY INDUSTRY

INSTANT LADLE PREHEATERS

- Quick ladle drying/preheating.
- Gas/Oil fired, smokeless.
- Fully automated motions for all Ladle sizes.
- 200+ installations in India and abroad.



MOULD DRYING SYSTEMS

- Flask less, Flask, Cement Sand, No Bake Moulds quickly uniformly dried.
- Online, Tunnel, Portable custom designed models.
- Gas/Oil/Electrical Heating.
- PLC controlled. • Mould strength unaffected.



CORE DRYING SYSTEMS

- No bake, Co₂ Sand, Shell cores drying after painting.
- Slat Conveyor-Tunnel, Trolley-Tunnel, Overhead pallet etc. automated systems.
- Core Handling minimized.
- PLC controlled.
- Gas/Oil/Electrical heating.



SAND DRYING

- Fluidised bed sand drier cooler, Dust collection system.
- Gas Fired smokeless.
- Cool dry sand.



CUPOLA EMISSION CONTROL

- Cupola Exhaust gasses quenched & cleaned
- Medium Pressure Ventury Scrubber collects finest particulate matters.
- Treated flue Conforms pollution norms.

HEAT TREATMENT FURNACES

- Custom designed Heat Treatment Furnaces.
- Autocycle Control, 8 Step PID profile, 10 Profile Memory.
- Uniformity as per API 6A Std.
- Recuperator, Auto Door clamping, Ceramic Modular lining, 100kg- 100MT capacity.
- 150+ Installations in India & abroad.



MECHANICAL SAND RECLAMATION

- Vibraclaim, Cooler Classifier, Dust collection systems.



THERMAL SAND RECLAMATION

- For no bake, shell sand.
- Complete automated Gas fired plant.