INDUSTRIAL DRYERS & HOT ROOMS

Chemical Dryer

Gas-heated rotary or batch dryer for chemical powders, salts, oxides and granules, ambient to 150°C.



TEMPERATURE
Ambient to 150°C

HEATING
Gas (LPG/PNG/CNG); electric for smaller duties

INDUSTRIES
Chemicals, metal powders, pigments, minerals

Specifications

Working range	ambient to 100–150°C (as per product)
Type	rotary drum (continuous) or batch
Example burner	automatic LPG, 2,00,000 kcal/hr
Drum	3 mm SS-304 or SS-310
Feed	hopper with VFD screw conveyor; chute discharge
Zones	single or multi-zone (e.g. 3 burners, 3 zones)
Insulation	75–150 mm rock fibre / ceramic fibre
Safety	overshoot safety controller, burner management
Drives	AC drives with speed control

Features

- Continuous feed and discharge
- Stainless-steel drum and contact parts
- Indirect firing option to protect the product
- VFD control of feed and drum speed
- Overshoot safety controller
- Multi-zone heating for gentle drying profiles

Applications

- Drying zinc and metal powders
- Drying chemical salts and crystals
- Drying oxides and pigments
- Drying granules after washing
- Drying filter cake for further processing