



Kumera Steam Dryer for Lignite Drying



Steam Dryer Applications

- Lignite
- Oil shale
- Copper Concentrate
- Nickel Concentrate
- Zinc/Lead Concentrate
- Apatite Concentrate
- Other Minerals

With experience of more than half a century Kumera Corporation serves mineral and metal industry with a wide range of process equipment.

Probably the most well-know equipment is the Kumera Steam Dryer, which is the leading technology for water removal, the solid global market leader in drying of non-ferrous metal concentrates. Our technology is recognized world wide as a symbol of clean and sustainable technology in drying due to minimal need of maintenance, low operational expenses and minimum impact on the environment.

Kumera Steam Dryer



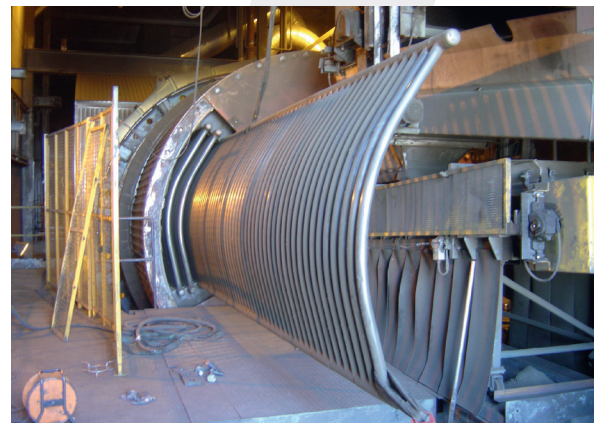
Kumera Steam Dryer Concept – Technology For Lignite Drying

Scope of supply for drying of lignite

- Wet lignite feeding system to dryer
- Steam Dryer
- Heat recovery dryer utilizing latent heat, thus minimizing the amount of thermal heat for drying
- Steam and condensate control system
- Dry lignite discharge system
- Exhaust gas handling system
- Inert gas conditioning systems for safety
- Safety extinguishing system
- Instrumentation and process control

Benefits of Kumera Steam Dryer:

- Premium availability and safety
- First rate energy efficiency
- High capacity of wet feed rate
- High water evaporation, up to 30 t/h
- Very low operational expenses
- Zero gas emission, i.e. CO₂, SO_x and NO_x
- Very low dust emissions
- Very low maintenance need
- Designed for easy maintenance
- Minimum space requirement
- Small size low cost gas handling
- Low steam and power consumption



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Kumera Corporation

Kumera Corporation is a worldwide manufacturer of industrial machinery and engineering services. The corporation consists of four major operating divisions:

Power Transmission Group provides a comprehensive range of industrial and marine gearboxes for all major process industries. Kumera has more than 50 years of experience as manufacturer of mechanical power transmissions. There are more than 200.000 Kumera gear units in operation world-wide.

Technology Division specializes in state-of-the-art engineering and heavy process equipment for metallurgical and environmental industries. Kumera has successfully performed several modernization projects for metals industry and is a leading manufacturer of industrial steam dryers for copper and nickel smelters and lignite.

Foundry Division with **Peiron Oy** as the leading company produces all types of steel and iron castings, forming a link in the vertical refining chain of Kumera Corporation.

Marine Division produces propulsion gearboxes and propellers including control systems for any seafaring vessels.

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Your message will be answered within
the next business day.

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Emergency Repair Service & Maintenance 24/7

- All major brands and manufacturers

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