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, SOₓ and NOₓ
- 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

www.kumera.com

Kumera Corporation
Technology Center
Kumerankatu 2
FI-11100 Riihimäki, Finland
Tel: +358 20 755 4200
Fax: +358 20 755 4320
Email: technology@kumera.com

Copyright © Kumera Oy 2014. All rights reserved. Kumera is certified to ISO9001:2008. Please contact your nearest Kumera representative prior to product selection and use or if you have any questions regarding our products. Kumera reserves the right to amend product specifications without prior notice.
Kumera Corporation

Kumera Corporation is a worldwide manufacturer of industrial machinery and engineering services. The corporation consists of three 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.

**Kumera Power-Plaza** is a virtual assistant for designers. Sign in to our [www.power-plaza.com](http://www.power-plaza.com) and design easily the marine and industrial gearboxes you need for your project. Major benefits include 100 % accurate drawings, project blueprints and price!

---

**Kumera Corporation Ltd.**
Kumerankatu 2
FI-11100 Riihimäki - Finland
Tel: +358 20 755 4200
Email: kumera@kumera.com

**Power Transmissions Group**

**FINLAND**
Kumera Drives Oy
Kumerankatu 2
FI-11100 Riihimäki - Finland
Tel: +358 20 755 4200
Email: drives@kumera.com

**AUSTRIA**
Kumera Antriebstechnik GmbH
Raiiffeisenstraße 38-40
A-8010 Graz, Austria
Tel: +43 316 471524-0
Email: kumera.graz@kumera.com

**NORWAY**
Kumera AS
P.O. Box 2043, Gneiseveien 11
N-3202 Sandefjord, Norway
Tel: +47 33 485 454
E-mail: sales@kumera.no

**CHINA**
Kumera (China) Co., Ltd.
Meifen Road 168
Wusongjiang Development Zone
Kunshan, China
Tel: +86 (0) 512 503 617 01
E-mail: kumerachina@kumera.com

**Foundry Division**
Peiron Oy - Kokemäki Foundry
P.O. Box 88
FI-32801 Kokemäki - Finland
Tel: +358 20 750 9400
Email: info@peiron.com

**Emergency Repair Service & Maintenance 24/7**
- All major brands and manufacturers

**WORLDWIDE EMERGENCY REPAIR SERVICE FOR INDUSTRIAL GEARBOXES**
Kumera Drives Oy
Kumerankatu 2
FI-11100 Riihimäki - Finland
Tel: +358 400 300 644
E-mail: service@kumera.com

**WORLDWIDE EMERGENCY REPAIR SERVICE FOR MARINE GEARBOXES**
Kumera AS
P.O. Box 2043, Gneiseveien 11
N-3202 Sandefjord, Norway
Tel: +0047 952 464 60
E-mail: service@kumera.no
www.kumera.no

**EMERGENCY REPAIR SERVICE FOR INDUSTRIAL AND MARINE GEARBOXES IN ASIA**
Kumera (China) Co., Ltd.
Meifen Road 168
Wusongjiang Development Zone
Kunshan, China

**Mr Eddy Lu**
Tel: +86 (0) 512 503 617 01
Fax: +86 (0) 512 503 617 10
E-mail: kumerachina@kumera.com
www.kumera.cn
Kumera Partners

With over 60 years of experience, Kumera is known as a global leader in industrial gear unit manufacturing and innovation. Building on that knowledge and resources, we have put together a global sales and support team designed to help you find the correct product and service.

Located on 3 continents and in 11 countries, our dedicated partners work to ensure that you receive the trusted service, products, and spare parts no matter where you are.