

Customer:
Zinc Oxide manufacturer: Europe

Objective:

- Reduce energy consumption
- Increase productivity

Furnace:
Oil Fired

Productivity:
Productivity increased,
Zinc Vaporization rate by +13%

Oil usage:
Reduced by 12%

Production costs:
Reduction of 22,000 US\$

Requirements:

- Better heat transfer through crucible body

Problems:

- High energy costs and low production rate

Improvements:

- Reduced energy usage
- Improved productivity
- Longer crucible life

FOSECO PRODUCTS

+ + ENERTEK* ZnO A500 Retort

KEY BENEFITS

+ Higher productivity
+ Lower energy consumption
+ Reduced manufacturing costs

ENVIRONMENTAL BENEFITS

+ CO₂ emission reduction*: 224 tons per year



CRUCIBLES – ZINC OXIDE



* The metal is melted in an oil furnace, this results in an energy saving of 83,270 liters of oil generating 2,691 kg CO₂ per liter.
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