

Kiln Energy Efficiency

Delivering Reduced Operational Costs

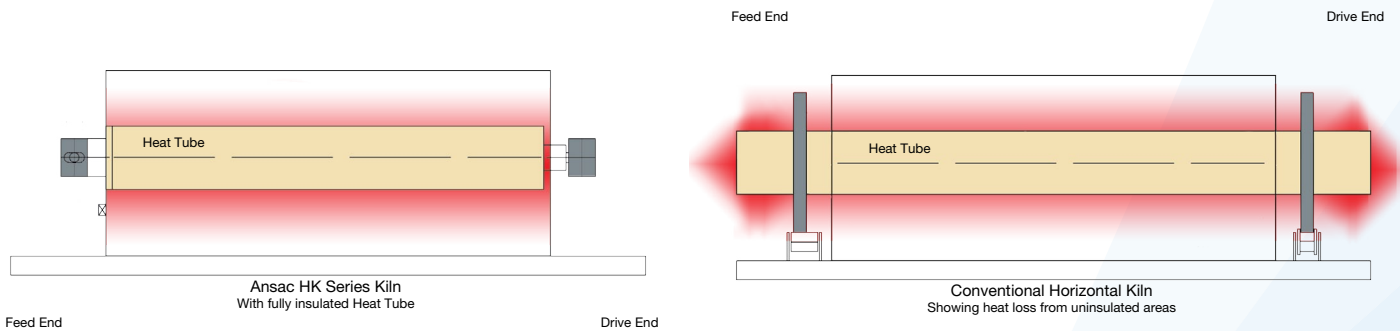


Businesses, large and small, in all sectors across the globe are becoming increasingly conscious of the need for systems that are not only consistent and reliable but also economic, efficient and of minimal impact on the surrounding environment.

Ansac have developed the HK Series kiln with this in mind. We believe that our engineers have produced the most thermally efficient Rotary Kiln available on the market today. By combining several unique features on the HK Series Kiln we have maximised their operational capacity whilst minimising the cost of operation.

Thermal efficiency is, ultimately, the crucial factor to the successful operation of any kiln. Ansac are a market leader in the control of thermal processes and are able to take our experiences gained over the last quarter of a century in the production of various pieces of capital thermal equipment to produce the most efficient kiln available.

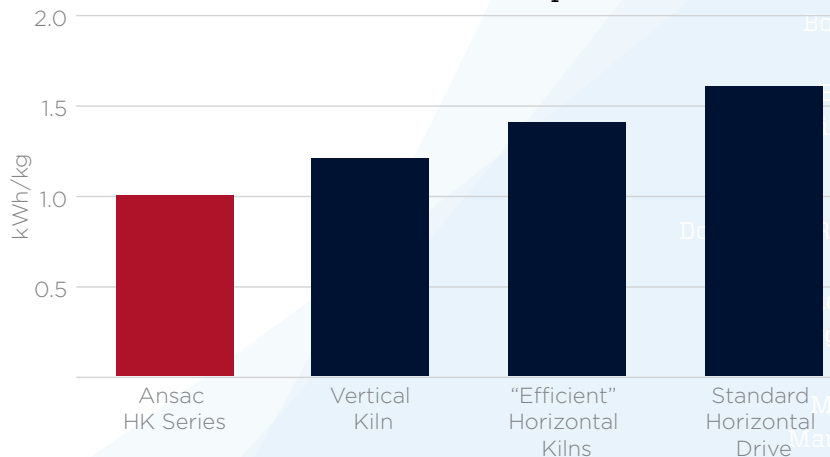
The key aspects in regards the HK Series thermal efficiency are the Pre-Drying System, the Centre-Line-Drive and the complete sealing arrangement.



The Centre-Line-Drive is the defining feature of the HK Series Kiln, this allows for the majority of the thermal efficiency savings whilst facilitating the complete sealing arrangement.

The Centre-Line Drive technology suspends the heat tube using the gearbox at the discharge end of the kiln and a specialised yoke and bearing arrangement at the feed end. Where conventional kilns are driven by a trunnion/roller arrangement, this will leave certain areas of the Heat Tube exposed, radiating huge amounts of heat into the atmosphere. The centre-line drive arrangement allows the heat tube to be totally encapsulated by ceramic fibre insulation. This leads to a significant advantage in that no areas of the Heat Tube are exposed to the atmosphere, thereby retaining significantly higher levels of the energy generated.

HK Series Fuel Consumption



All figures for guideline purposes only

www.ansac.com.au

Lot 2 Estuary Drive
Bunbury
WA 6230
Australia

Tel: + 61 8 9724 9000
Email: info@ansac.com.au

77 Oxford Street
London
W1D 2ES
United Kingdom

Tel: +44 (0) 207 117 2067
Email: info@ansac.co.uk

MKV Towers,
No.3, 4th Floor
Burkit Road, T. Nagar
Chennai - 600 017
India
Tel: +91 44 4260 4747
Email: info@ansac.com.au

Ivory Coast
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