
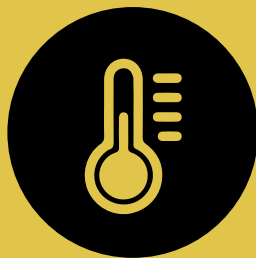


Furnaces, Heating Technologies and Solutions

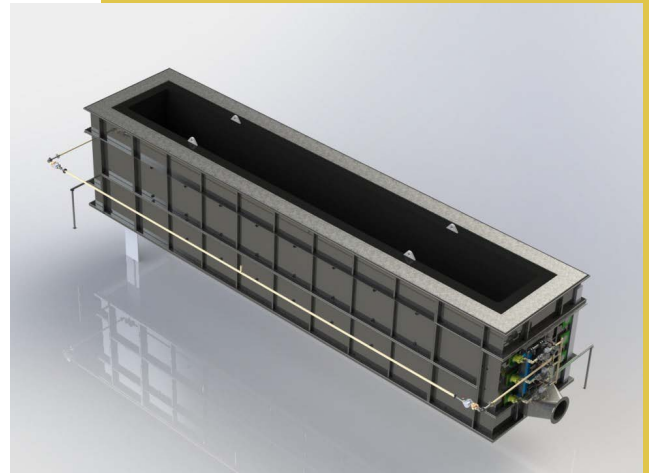


 Kingfield Technologies & Equipment manufactures and supplies the world's leading galvanizing combustion system. Modern, fuel efficient and even hybrid fuel system furnaces to meet a wide range of client needs.



Kingfield provides the world's leading combustion system.

- 100% Australian designed and manufactured
- Fuel efficient combustion system
- Advanced Insulation system minimises heat loss.
- Efficient burners allow minimal number of burners and reduced components and maintenance
- Chamber pressure and temperature sensors
- Supplied pre-assembled for rapid installation
- On-site commissioning and testing
- Modular construction enabling kettle size change
- Extended furnace life – more than 20 years – without major refit
- High velocity stealth combustion systems
- Reversible/change of direction combustion system to increase kettle life.
- Turbo Heat boost function
- 3 term PID control system for zinc and flue temperature control
- Optimised thermal efficiency and heat transfer
- Finite temperature control technology
- Gas, diesel, electric and hybrid heating systems
- Furnace fume enclosures
- Advanced safety systems
- Waste heat recovery of furnace flue gases



Options include:

- Leak detection systems
- Auto heat up
- External Thermocouple
- PLC Control
- Exhaust damper

Hybrid Furnace

We currently have several combinations of plug and play features dependent upon the customer's requirements, available energy and energy source.

With green electricity produced from solar, wind or hydro power and now combining green hydrogen, our hybrid furnace design offers both electric & hydrogen fuel. We have a furnace design to encompass many variations and combinations. As an example a furnace which heats from green electric power through the day and then heated by green Hydrogen during the night! All this fully automated, monitored and controlled via our remote access Industry 4 digitalisation.





Remote Monitoring and System Control

KTE's proprietary advanced management systems enable customers to monitor and manage systems either whilst at the plant, at home or travelling. This also enables KTE engineering and support staff to review performance, identify required setting modifications and to adjust without (often) the need for a site visit.

- Fully integrated remote monitoring and control
- Available on desktop and portable devices
- Client and provider access
- Peace of mind with real time system information



Control Panels

- State-of-the-art design and componentry for complete control
- Designed and Manufactured in Australia
- Complies with AS 3000 & AS 3814:2018 Industrial & Commercial Gas-Fired Appliances
- Replacement parts can be locally sourced
- Full remote access, control and monitoring from your android phone, ipad, laptop.
- Fully compatible to interface with any automated/semi-automated equipment & plant management / building management systems
- Back to base (Kingfield's Control Centre) monitoring
- Redundant hard-wired electrical and temperature back-up system
- Electrical power surge protection across all power phases
- UPS (Uninterruptible Power Supply) for loss of power