



LADLE PREHEATERS & PREHEATER/DRYERS

Improve Energy Efficiency by Reducing Temperature Losses



Ladle Preheater/Dryer



Bed-Type Preheater



Tilt-Type Preheater

LADLE PREHEATERS

A ladle preheater heats the ladle lining just before it is filled with molten metal. Refractory linings have traditionally been thoroughly dried to remove all moisture.

LADLE PREHEATER/DRYER

A unit can function as both a preheater and a dryer, depending on the controls it operates with. Various programs and temperature controllers enable it to preheat the refractory lining and dry new linings with high moisture content. Preheater temperature controllers regulate the temperature, while Preheater/Dryer temperature controllers offer the added functionality of setting both time and temperature. Therefore, a foundry doesn't need to acquire separate units for each function.

Advantages:

- Units use either a mixture of natural gas and air or LPG and air
- Combustion air is provided by an integral combustion fan
- Typical controls have temperature feedback, to the controller, via a K-Type thermocouple
- Ignition is via the control panel
- Automatic flame failure protection (ION probe) ensures lining is evenly preheated
- Modulating gas improves energy efficiency
- Controller settings are easily changed by the foundry
- All units are custom designed

For more information visit palmermfg.com

Start a conversation with an expert, email sales@palmermfg.com or call 1.937.323.6339

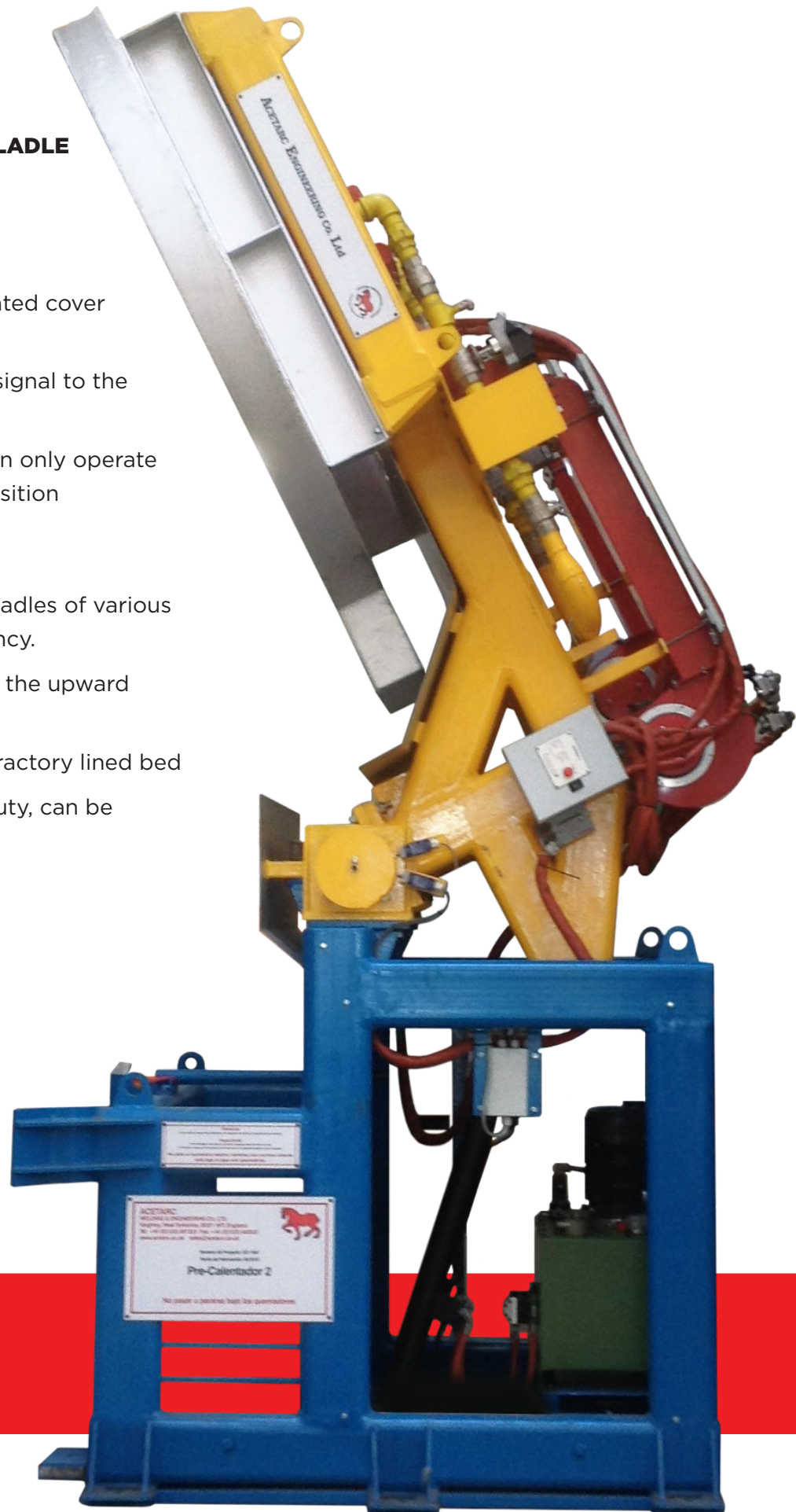
TILT-TYPE PREHEATER WITH FLT LADLE

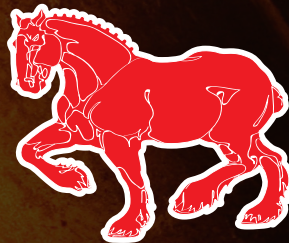
- Cover is raised and lowered by a hydraulic cylinder
- Panel controls all functions
- Burner is set centrally in an insulated cover with a downward firing flame
- Thermocouple feedback gives a signal to the temperature controller
- Burner is interlocked so that it can only operate when the cover is in the down position

BED-TYPE PREHEATER

The Bed-Type unit accommodates ladles of various sizes while maintaining high efficiency.

- Ladle is inverted and placed over the upward firing burner
- Exhaust vent is located in the refractory lined bed
- Refractory bed, which is heavy duty, can be removed for relining





ACETARC

Established in 1967, Acetarc Limited is a family-owned company registered under ISO 9001. We specialize in designing and manufacturing foundry ladles, ladle preheaters, ladle preheater/dryers, and related molten metal handling equipment.

Additionally, we offer heavy-duty handling equipment for various industries.

Acetarc is represented in the USA, Canada, Mexico, Costa Rica, Colombia, and Brazil by Palmer Manufacturing & Supply Inc.



Palmer Manufacturing & Supply

18 Bechtle Avenue
Springfield Ohio 45505 USA
Tel: +1 937 323 6339
Email: sales@palmermfg.com
Web: palmermfg.com

Acetarc Limited

Atley Works Dalton Lane
Keighley, West Yorkshire BD21 4HT England
Tel: +44 (0) 1535 607323
Email: sales@acetarc.co.uk
Web: www.acetarc.co.uk