

# THERMTRONIX®

## MELT, HOLD, & POUR..... IN A SINGLE UNIT **ALUMINUM** ELECTRIC OR GAS TRANSPORT LADLE

• **THERMTRONIX®** IS THE SOLUTION! WHEREVER **QUALITY** IS THE KEY WORD IN **ALUMINUM** MELTING -

• **THERMTRONIX®** solid state aluminum melting Transport Ladles are available for use with electric and gas energy sources. This unique product combines the features of a transfer ladle with the full melting capability of our standard furnaces in a single unit. It allows our customers to melt, hold and pour quality aluminum directly with no intermediate transfer.



• **ENERGY EFFICIENT**  
**THERMTRONIX®** solid state power control assures maximum melting power and efficiency, utilizing only the exact amount of energy required to achieve and maintain precise temperature control. No maintenance prone on-off mechanical contactors or high-low burner control.

• **FLEXIBILITY**  
**THERMTRONIX®** crucible type furnace design permits easy alloy changes. Temperatures can be adjusted quickly and there is no need for holding large quantities of metal during the off-shift hours. Melts aluminum, zinc, magnesium and lead.

### STANDARD FEATURES

EVERY **THERMTRONIX®** MELTING SYSTEM IS FACTORY EQUIPPED WITH FEATURES CONSIDERED OPTIONS BY OTHER MANUFACTURERS

- Energy saving "Swing-Away" insulated furnace lid.
- Solid-State temperature control system assures maximum performance.
- Heavy duty three phase industrial quick connect "plug-in" operation.
- Immersion thermocouple and solid state controller automatically adjust metal temperature.
- Metal leak-detector system indicates metal leakage.
- Multi-layered insulating system for maximum efficiency.



**SOLID STATE POWER**  
Underwriters Laboratories Inc.  
LISTED



**THERMTRONIX®** the recognized worldwide "industry standard" for solid state aluminum melting.

- 100% solid state power control uses only the exact amount of energy required to achieve and maintain precise temperature.
- Auto/Manual Control allows fully automatic or manual operation.
- Solid State 7-Day Timer allows automatic on-off cycling, early morning startup, etc.
- Large LED display shows both metal temperature and set point.
- Industrial duty double reduction mechanical gear box for reliable maintenance-free operation.

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## ELECTRIC OR GAS ALUMINUM TRANSPORT LADLE MELT, HOLD, & POUR ..... IN A SINGLE UNIT

ADDED VALUE, A STANDARD FEATURE WITH  
EVERY THERMTRONIX® FURNACE

**\* EXPERIENCE & PROVEN PERFORMANCE \***

**THERMTRONIX® HAS MANUFACTURED MORE SOLID  
STATE ELECTRIC RESISTANCE & GAS FIRED ALUMINUM  
MELTING TRANSPORT LADLES THAN ANY OTHER  
MANUFACTURER IN THE WORLD.**

**THERMTRONIX®** Solid State Melting Systems represent the highest quality, most energy efficient, productive, aluminum and low temperature alloy melting systems available on the market today. A combination of solid state power control, micro-processor based temperature control, multi-layered insulating system and rugged rolled steel shell design assure a constant supply of the highest quality aluminum produced at the lowest overall operating cost.

YOU CAN'T BEAT A **THERMTRONIX®** FURNACE  
INDUSTRY'S HIGHEST MEASURED EFFICIENCIES FOR  
ALUMINUM MELTING SYSTEMS

MODEL NO ELECTRIC GAS	CAPACITY IN POUNDS KILOGRAMS	POWER RATING** ELECTRIC GAS	MELT RATE* LB/HR ELECTRIC GAS	MELT RATE* KG/HR ELECTRIC GAS
TL - 400 GL - 400	400 LB 180 KG	50 KW 500 SCFH	265/200 LB/HR 200/130 LB/HR	120/90 KG/HR 90/60 KG/HR
TL - 600 GL - 600	600 LB 270 KG	50 KW 750 SCFH	265/200 LB/HR 300/200 LB/HR	120/90 KG/HR 135/90 KG/HR
TL - 800 GL - 800	800 LB 360 KG	75 KW 1100 SCFH	395/300 LB/HR 400/270 LB/HR	180/135 KG/HR 180/120 KG/HR
TL - 1000 GL - 1000	1000 LB 450 KG	75 KW 1500 SCFH	395/300 LB/HR 500/350 LB/HR	180/135 KG/HR 225/160 KG/HR
TL - 1200 GL - 1200	1200 LB 550 KG	100 KW 1750 SCFH	525/400 LB/HR 600/400 LB/HR	235/180 KG/HR 270/180 KG/HR
TL - 1500 GL - 1500	1500 LB 700 KG	100 KW 2000 SCFH	525/400 LB/HR 750/500 LB/HR	235/180 KG/HR 340/225 KG/HR
TL - 2000 GL - 2000	2000 LB 900 KG	125 KW 2500 SCFH	650/500 LB/HR 1000/665 LB/HR	290/225 KG/HR 450/300 KG/HR
TL - 2500 GL - 2500	2500 LB 1150 KG	125 KW 2500 SCFH	650/500 LB/HR 1000/665 LB/HR	290/225 KG/HR 450/300 KG/HR
TL - 3000 GL - 3000	3000 LB 1370 KG	125 KW 2500 SCFH	650/500 LB/HR 1000/665 LB/HR	290/225 KG/HR 450/300 KG/HR

\* Melt rate will vary with type of operation (i.e. tap and charge or batch melt) melt rates assume hot furnace, clean crucible, dense charge, lid closed, and maximum power.

\*\*Other voltages and power ratings available - consult factory.

DESIGN AND SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

PRODUCT BULLETIN 1603

### THERMTRONIX® STANDARD FEATURE



DOUBLE REDUCTION MECHANICAL GEAR BOX  
FOR PRECISE POURING CONTROL

### THERMTRONIX® STANDARD FEATURE



3-PHASE CIRCUIT BREAKING  
QUICK CONNECT PLUG



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