

THERMTRONIX®

QUALITY ALUMINUM MELTING & HOLDING FURNACES ENERGY EFFICIENT HYDRAULIC TILT FURNACE

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

- **THERMTRONIX®** solid state melting furnaces reduce hydrogen porosity, inclusions, and metal contamination. The undisturbed bath with limited surface area and the elimination of combustion by-products greatly reduce dross formation assuring metal loss of less than 1%. Degassing time and expense are dramatically reduced and costly exhaust systems eliminated.



- **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.
- **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

- 100% solid state power control uses only the exact amount of energy required to achieve and maintain precise temperature.
- Auto/Manual Switch allows fully automatic or manual operation.
- Automatic demand limiting to reduce power cost during peak demand periods.
- Solid State 7-day Timer allows automatic preset adjustments to pouring temperature.
- Large LED display shows both metal temperature and set point.
- Industrial duty hydraulic power supply complete with motor starter and start/stop control.
- Hydraulic operator valve for control of furnace tilt and lid.



SOLID STATE POWER
Underwriters Laboratories Inc.
LISTED



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

- Ground fault system and integral over-current protection circuit breaker for total high voltage isolation.
- Factory installed hydraulic lines and cylinder splatter guards.
- Powerguard™ control system assures maximum performance and extended heating element life.
- Fire retardant water-glycol base hydraulic fluid.
- Immersion thermocouple and solid state controller automatically adjusts metal temperature.
- Metal leak-detector system indicates metal leakage.
- Multi-layered insulating system for maximum efficiency.

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SOLID STATE ELECTRIC ALUMINUM HYDRAULIC TILT FURNACES

ADDED VALUE, A STANDARD FEATURE WITH
EVERY THERMTRONIX® FURNACE

*** EXPERIENCE & PROVEN PERFORMANCE ***

**THERMTRONIX® HAS MANUFACTURED MORE SOLID
STATE ELECTRIC RESISTANCE & GAS FIRED ALUMINUM
MELTING FURNACES & LARGER TILT FURNACES 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, heavy duty self-supporting Power Panels™ in a completely uniform cylindrical heating chamber, micro-processor based temperature control, multi-layered insulating system and rugged “total access” steel frame design assure a constant supply of the highest quality aluminum produced at the lowest overall operating cost.

YOU CAN'T BEAT A THERMTRONIX® FURNACE
INDUSTRIES HIGHEST MEASURED EFFICIENCIES FOR
ALUMINUM MELTING SYSTEMS.

MODEL NUMBER	CAPACITY POUNDS KILOGRAMS	POWER RATING**	POWER INPUT VAC** 3 PHASE 60/50Hz VOLTS — AMPS	AL. MELT RATE* LB = 1300F KG = 700C
TF - 400	400 LB 180 KG	50KW	480/240 - 60/120	265/200 LB/HR 120/90 KG/HR
TF - 600	600 LB 270 KG	50KW	480/240 - 60/120	265/200 LB/HR 120/90 KG/HR
TF - 800	800 LB 360 KG	75KW	480/240 - 90/180	395/300 LB/HR 180/135 KG/HR
TF - 1000	1000 LB 450 KG	75KW	480/240 - 90/180	395/300 LB/HR 180/135 KG/HR
TF - 1200	1200 LB 550 KG	100KW	480/240 - 120/240	525/400 LB/HR 235/180 KG/HR
TF - 1500	1500 LB 700 KG	100KW	480/240 - 120/240	525/400 LB/HR 235/180 KG/HR
TF - 2000	2000 LB 900 KG	125KW	480/240 - 150/300	650/500 LB/HR 290/225 KG/HR
TF - 2500	2500 LB 1150 KG	125KW	480/240 - 150/300	650/500 LB/HR 290/225 KG/HR
TF - 3000	3000 LB 1370 KG	125KW	480/240 - 150/300	650/500 LB/HR 290/225 KG/HR

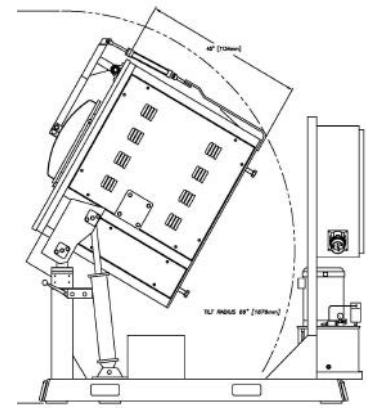
* Melt rate will vary with type of operation (i.e. tap and charge or batch melt) melt rates assume hot furnace, clean crucible, dense charge, lid closed, and maximum power.

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

DESIGN AND SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

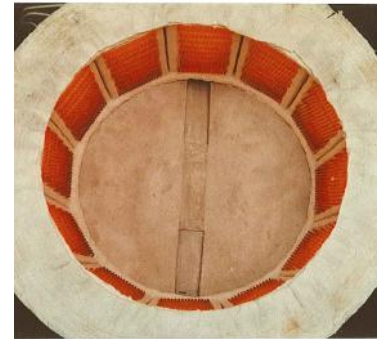
PRODUCT BULLETIN 1504

“MOBILE” TILT FURNACE



This completely packaged “PLUG-IN” option eliminates the need for a permanent fixed installation, freeing up valuable floor space.

HEAVY DUTY POWER PANELS™
by THERMTRONIX® make
the difference.



MAXIMUM EFFICIENCY
HIGH PERFORMANCE MELTING



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