

# TF-200 Gold Barring Furnace



## Product Overview

The TF-200 Gold Barring Furnace is a smelting furnace designed for use on mines in gold and precious metal recovery applications. The furnace has a number of unique features that have been designed to solve historical pouring, tilting and maintenance issues.

## Key Features & Benefits

- Nested crucible arrangement capable of accepting various crucible sizes
- Push button auto-tilt action including hand held pendant with 10m range
- Operates up to 1,600 deg C with natural gas, lpg and diesel fuel options
- Automated temperature regulation and set point control - your gold will not solidify mid-pour
- Hydraulic tilt mechanism for fully adjustable tilting speed and smooth tilt motion - no more chain driven jolting actions
- ASME and ISO 9001 compliant
- Body & Burner Twin-Tilt - the furnace body and burner tilt together so that your gold does not solidify during the pour
- Designed for single operative operation - the handheld pendant, hydraulic tilt and temperature set point control allow for safe, effective, single operative operation of your gold pours

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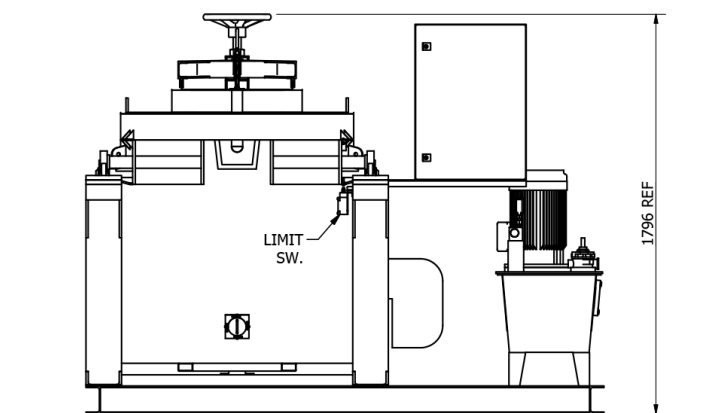
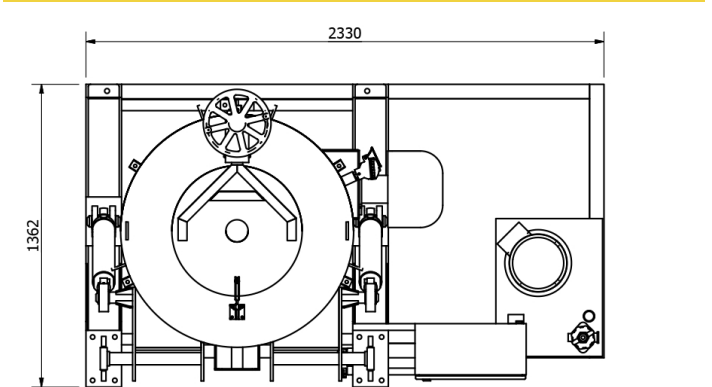
# Auto Tilt and Pour, Single Operative Gold Barring Furnace With Smart Temperature Set Point Control

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## Technical Specifications

General	
<b>Name</b>	TF-Gold Barring Furnace
<b>Service</b>	Smelting
<b>Heating Method</b>	Indirect Fired
<b>Design Code</b>	ASME/ ISO 9001 / CE compliant
<b>Design Life</b>	15 years
<b>Guarantee</b>	12 month warranty
<b>Installation Type</b>	Skid mounted
Mechanical	
<b>Tilting Mechanism</b>	Hydraulic
<b>Heating Chamber</b>	Mild steel body / insulated
<b>Insulation</b>	Castable refractory walls
<b>Refractory Temp. Rating</b>	1,600°C
<b>Maintenance</b>	12 month safety test
Electrical	
<b>Main Voltage</b>	415 V AC +/- 10% / 50 HZ +/- 2%, 3 Phase
<b>Control Voltage</b>	220 V AC +/- 10% / 50 HZ +/- 2%, single Phase
<b>External Input Signals</b>	None - local operation
<b>External Output Signals</b>	Temperature output to local panel
<b>Tilting Mechanism Control</b>	Pneumatic switch at local panel
<b>Fuel Train Provided</b>	Yes
<b>Burner Movement</b>	Tilts with body
Process	
<b>Crucible Type</b>	Nested crucible system. Various crucible sizes are interchangeable with the furnace body
<b>Crucible Sizes Accepted</b>	Various
<b>Operating Temp.</b>	1,300°C (nom) 1,600°C (max)
<b>Set Point Feedback Loop</b>	In-Built sensor monitors temperature and regulates acceleration to set point then holds it at set point until the pour is initiated
<b>Pouring Recepticle</b>	7 tier cascade table. Height adjustable
<b>Pouring Moulds</b>	on request
<b>Slag Catchment Provided</b>	2 x 25L slag pots
<b>Spouted Crucible Provided</b>	on request

Heat Supply	
<b>Type Of Fuel</b>	Diesel, LPG, Nat Gas
<b>No. Of Burners</b>	One
<b>Turndown Ratio</b>	2:1
<b>Burner Heat Capacity</b>	130 - 249
<b>Burner Type</b>	Package



### Disclaimer

The information presented in this document, our research so far, our experience and knowledge within the information is accurate. In case of changes in operating conditions and methods of application, any information given in this document can not be considered as guarantees and preliminary tests are recommended. For more information please contact us to speak with a technical representative.