



Pyrotek  
Tower Melter and  
Metal-Handling  
Equipment

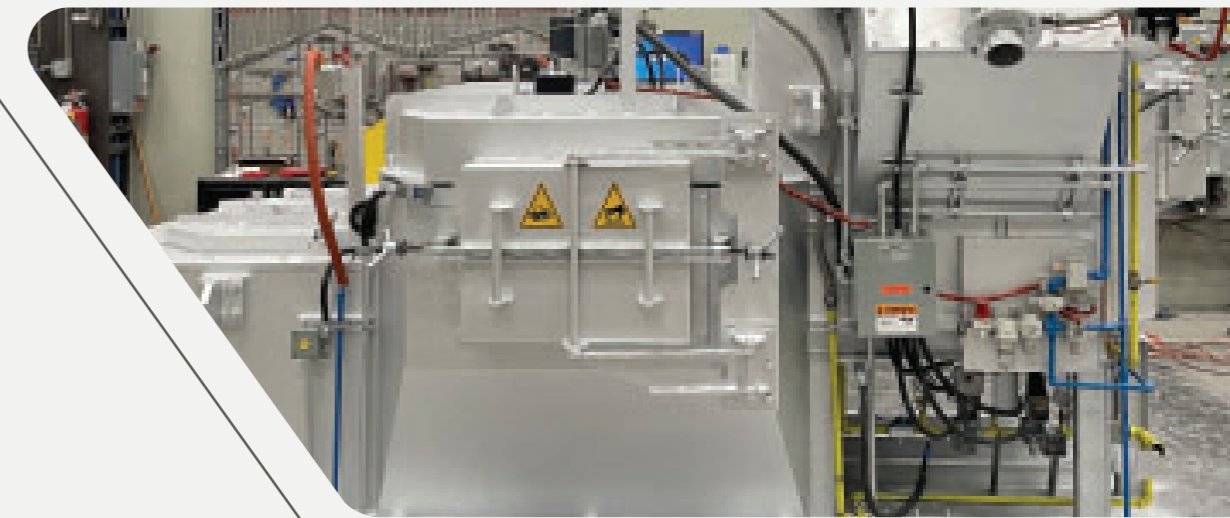


**Pyrotek**<sup>®</sup>

# For Aluminium Casting Process

The new **Pyrotek Tower Melter** was engineered to provide an ultra modern and highly efficient melter option. Decades of experience in melting, holding, dosing, and transferring metal guided this advanced design for use in any aluminium casting process.

Electrical, automotive, and military defense are among the industries adopting the use of this new technology.



The Tower Melter was designed to allow for many different ways to move metal from the melter to the casting line. This includes HPDC, LPDC, Sand Casting, and any other form of casting that requires molten aluminium.

Pyrotek understands that each casting plant has unique requirements; therefore, every Tower Melter can be configured to match plant requirements. Pyrotek manufactures all the equipment and consumables used in these processes, supporting a complete point A to point B supply of metal.

Also, incorporating Pyrotek's metal-handling equipment allows for easier troubleshooting, a streamlined set of spare parts, and single-source engineering and manufacturing support.

Using a Pyrotek Tower Melter in conjunction with metal-handling systems offers the most energy efficient, lowest operating cost, and highest quality aluminum melting system on the market today. Additionally, common control systems ensure consistent and quality communications between components.



## Heated Launderers

Pyrotek supplies several different types and configurations of heated and unheated launder sections, which are designed to bolt directly to the holding zone of the melter.

Laundering minimizes the handling of molten aluminium and ensures a consistent metal level.

## Pump Well

Pumping – the Pyrotek Tower Melter dip well is designed to accept a vast array of Pyrotek's pumping equipment, whether filling a transfer ladle, accurate dosing into a shot sleeve or anything in between.



## Dip Well

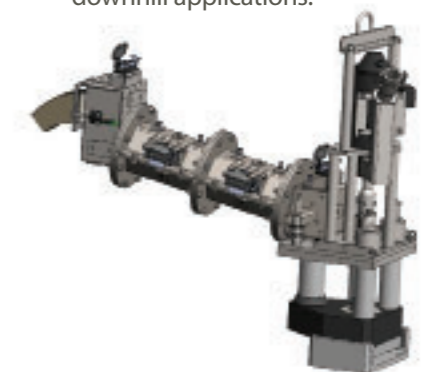
Manual ladling via hand ladle or Pyrotek's Bottom Pour Ladle system - each dip well has an automatic refractory lined dip well cover.

Dip well can be supplied to incorporate lance or rotary style degassing/fluxing systems. Metal level is controlled by an industrial laser system.



## Precision Dosing

Precise dosing for many applications which can be mounted for uphill or downhill applications.



## Tap Out

Semi-Automatic tapping system with reinforced fiberglass material (RFM®) launder used for filling transfer ladles or draining the melter.

Tap out uses standard tapping cones.

Tap out can be configured to remove metal directly from the holding zone or from a dip well.





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