



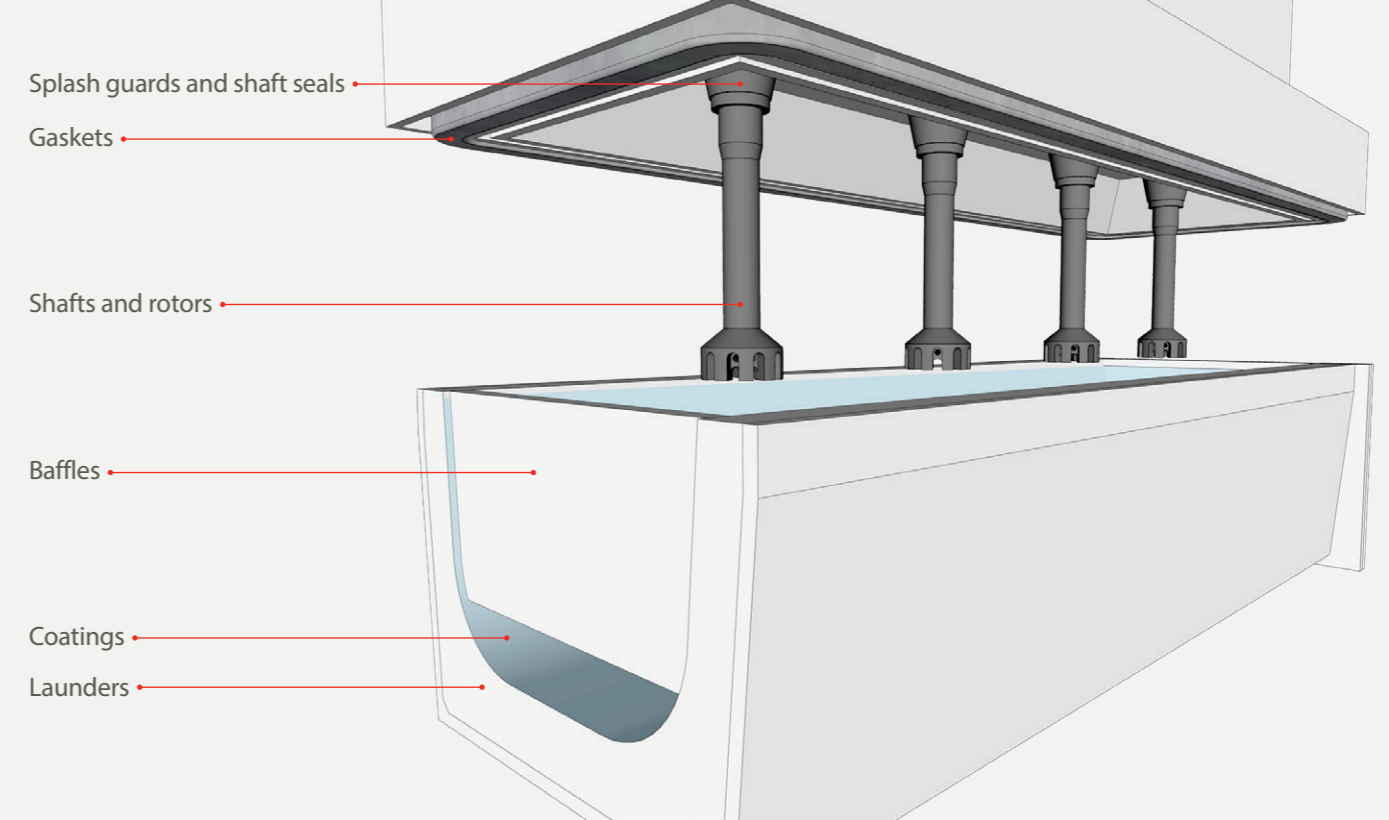
Consumables for Aluminium Degassing Units



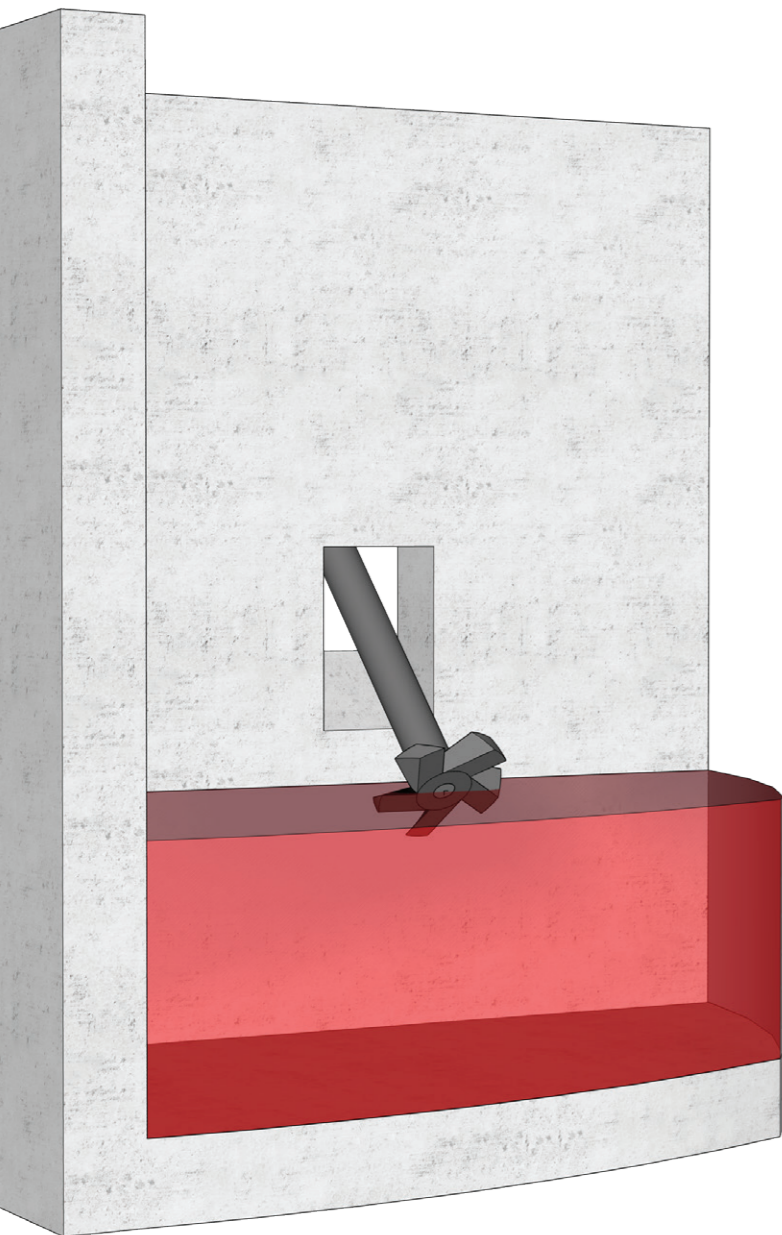
Pyrotek[®]

Meeting a Need

Aluminium degassing systems require durable consumables to help prevent downtime and add value to a casthouse operation's metal treatment process. Pyrotek manufactures and supplies a variety of components for degassing, from shafts and rotors to troughs. Our global network of application engineers offers in-plant consultations to help determine the best consumable to meet process requirements.



From rotors to seals, Pyrotek offers a number of consumables for aluminium degassing.



Shafts and Rotors

Pyrotek shafts and rotors for metal degassing are made from ZX-grade graphite, which has twice the oxidation resistance of standard graphite. They are durable, improve hydrogen removal, and result in minimized turbulence and oxide generation.

Shafts

Pyrotek graphite shafts can be paired with many different rotor types and are available in multiple lengths and diameters.



Rotors

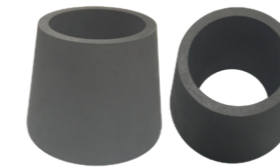
Pyrotek degassing rotors are available in several sizes, shapes, and designs.

Shaft Seals

Pyrotek degassing shaft seals are made from Grade 1 flexible graphite and are used between shafts and degassing unit couplings. The graphite generates almost no creep relaxation, which greatly reduces the need for bolt tightening.

Splash Guards

Pyrotek splash guards protect the shaft and degassing system from molten aluminium contact. The guards are made from ZX-grade graphite or vacuum-formed ceramic fibre. Both are durable and have high oxidation resistance.



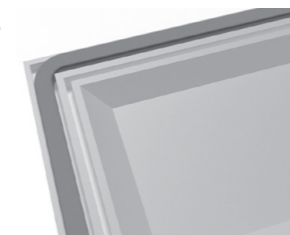
Baffles

Baffles are available in several castable material options that are resistant to erosion and mechanical damage from molten aluminium. They are lightweight and non-wetting. For quicker delivery and replacement, Pyrotek offers machined baffles as an alternative.



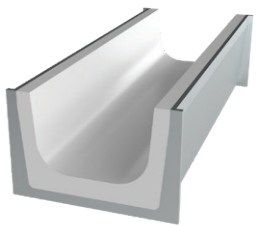
Gaskets

Pyrotek's degassing gasket seals are available in many densities, thicknesses, and temperature tolerances. They typically are ceramic ropes in a single or double braid, embedded into high-temperature fibreglass fabric.



Launderers

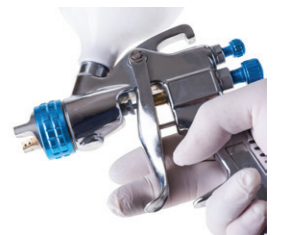
Launderers are available in several castable material options that are resistant to erosion and mechanical damage from molten aluminium. The troughs are generally wider and deeper than standard casting troughs and allow shafts and rotors to be submerged in molten aluminium. The refractory lining has low thermal conductivity and is non-wetting.



Coatings

Pyrotek offers a full line of coatings. Refractory protective coatings improve performance and extend service life, while safety coatings help prevent explosions.

- Wise Chem safety coatings
- ZYP boron nitride coatings



Mastics

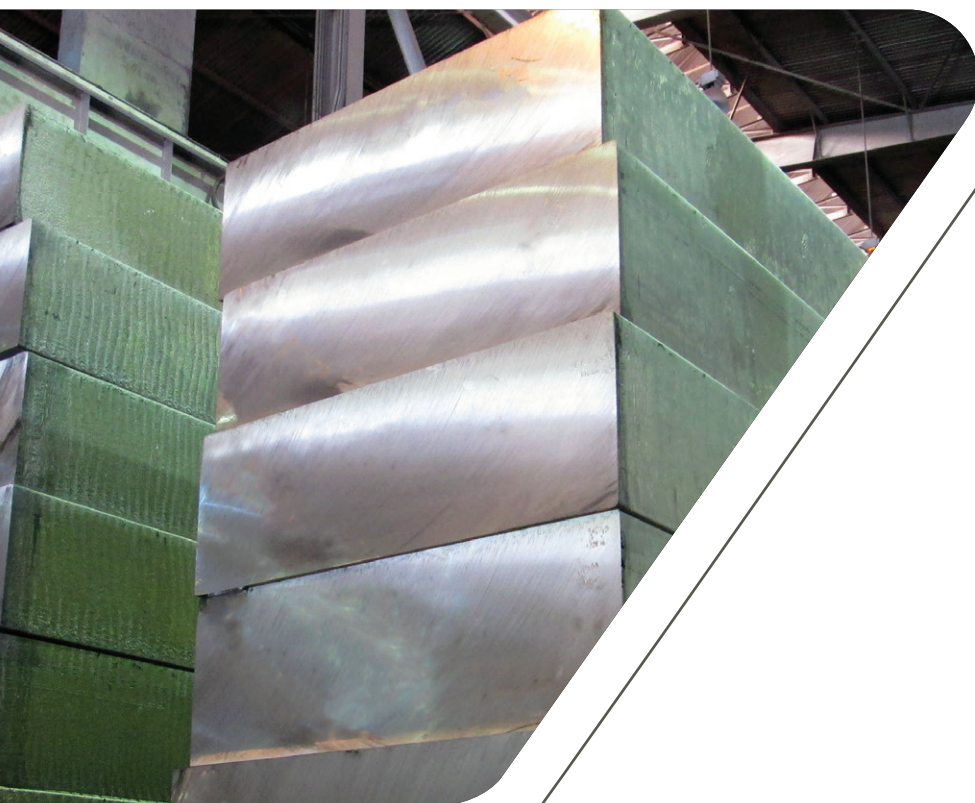
Pyrotek mastics are ready-to-use, durable, and designed for trough and launder patching and joint filling. They can be caulked, troweled, or hand-formed. Pyrotek offers RCF Mastic and non-RCF Mastic.



Why Pyrotek?

Pyrotek® is a global engineering leader and innovator of technical solutions, integrated systems, and consulting services in the aluminium industry. Our products and solutions are used around the world in automotive, aerospace, rail transportation, and high-tech manufacturing.

We have global resources and local support in more than 35 countries and 80 locations. With more than 60 years of aluminium expertise from the smelter to the foundry, Pyrotek is your partner in improving degassing casting performance.



Pyrotek®