

# Aluminum Titanate Products

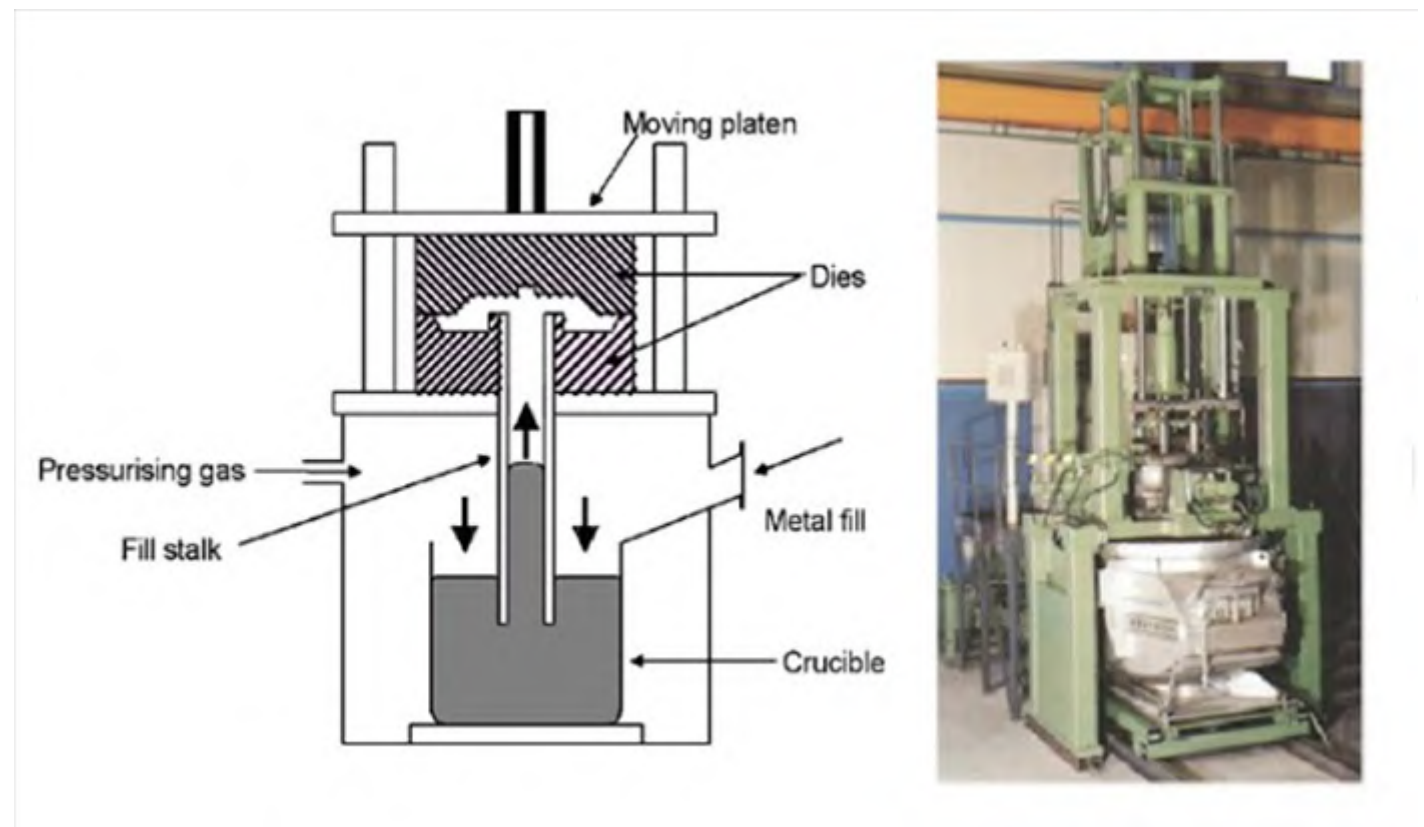
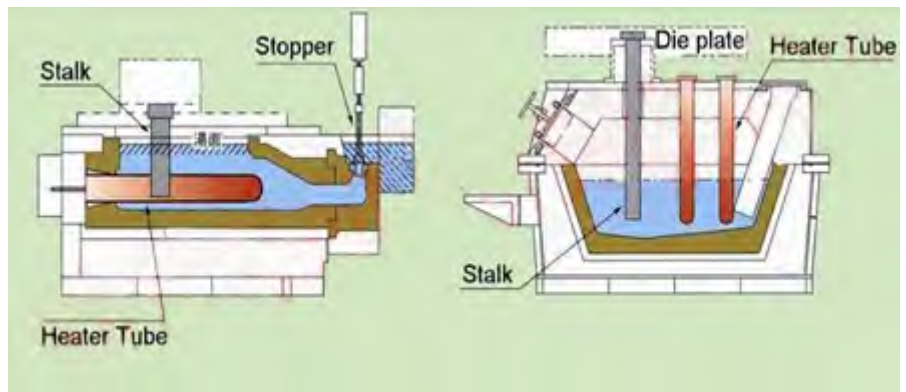
The aluminum titanate has higher melting point( $1860^{\circ}\text{C}\pm 10^{\circ}\text{C}$ ), lower thermal expansion( $\text{RT}—1000^{\circ}\text{C}, \alpha < 2.0 \times 10^{-6}/^{\circ}\text{C}$ ) and excellent heat-shock resistance. Besides, the aluminum titanate don't infiltrate with the metal melt (especially the non-ferrous metals) and glass melt. Therefore aluminum titanate can be widely used in the conditions of high-temperature resistance, heat-shock resistance and corrosion resistance.

## Advantage

1. Excellent thermal shock resistance.
2. No wetting by molten non-ferrous metal.
3. Excellent corrosion resistance.
4. Low thermal-expansion coefficient.
5. Long service life can enhance the production efficiency and reduce the cost.



## Riser Tubes/Stalk Tubes



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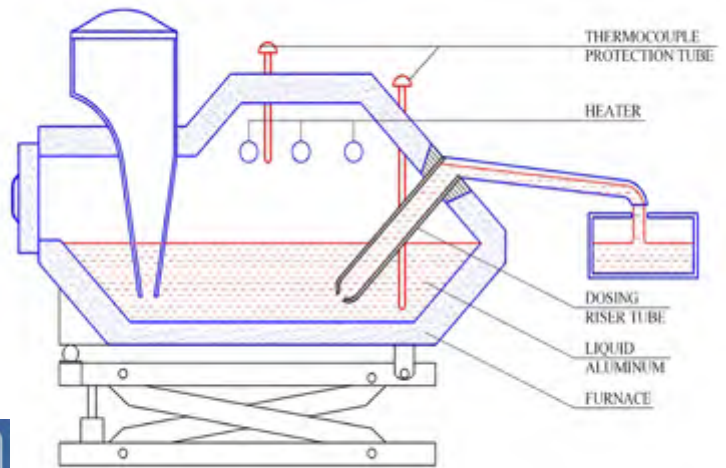
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**Dosing Tubes**



**Sprue Bushing**



**Casting Ladles**



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## Application

Due to its material properties, aluminium titanate is a very good choice for components like riser tubes, dosing tubes for pressure die casting furnaces as well as sprue bushes for low pressure die casting. Casting ladle by aluminium titanate also widely used in gravity die casting, pressure die casting and sand casting.

## Technical Data

Item	Standard	Unit
Density	3.2	g/cm <sup>3</sup>
Porosity	3.8	%
Bending strength	50	MPa
Thermal-expansion coefficient	1.17	10 <sup>-6</sup> /°C
Heat-shock resistance	Good	



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