

“Grain Refiner for Aluminium Alloys”

Optifine™ has been developed using MQP’s in-depth knowledge of grain refinement gained through the introduction and operation of the Opticast System worldwide.

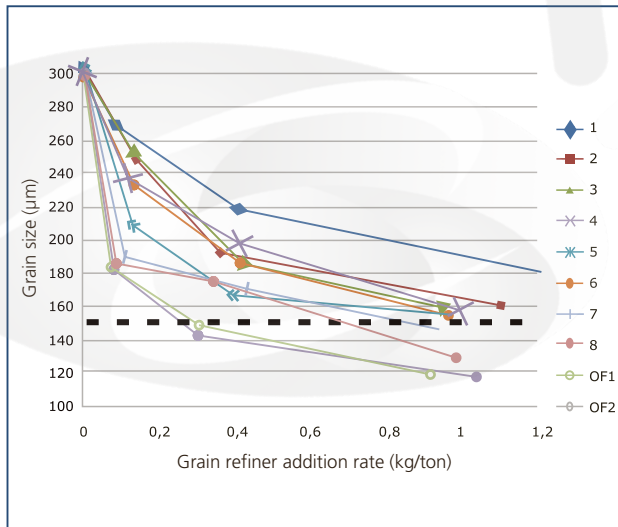
Optifine™ is a new high-efficiency special grain refiner. The product contains 3/1 titanium/boron and is supplied in rod and coil forms.

Features

- Reduction up to 80% in consumption of master alloy.
- Lowering consumption reduces the amount of TiB₂ agglomerates and oxide stringers introduced into the finished product improving quality.
- Highly consistent performance eliminates the incidence of cracking.
- Considerable reduction in the production costs.
- Reduction in transportation, storage and labour costs.



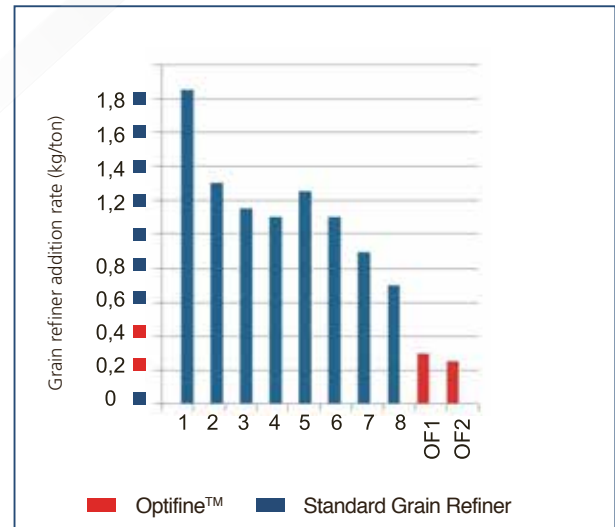
Standard Grain Refiner - Optifine™ performance comparison graph.



Curves Nos. 1-8 show grain size changes in the products provided by one supplier.

OF1 and OF2 show consistent performance and high efficiency of Optifine product.

Standard Grain Refiner and Optifine™ additions comparison graph



Amount of Optifine™ required to be added to achieve the grain size of 150 µm is reduced by 80% of other master alloys.