Silicon Carbide Addition
This is a new product and technology maturity. It can replace the FeSi in cupola and electric furnace for steelmaking and cast iron. Greatly reducing the cost and improve quality efficiency.
It can increase silicon and carbon, after the inoculation, there will be no abnormal changes in hot metal.
The advantages are as follows:
1. to prevent the precipitation of carbides, increase the amount of ferrite, reducing white.
2. significantly improve the cutting performance, improve mechanical properties.
3. increase mobility, so that the composition of molten iron stability, to prevent segregation phenomenon.
4. reduce wall thickness sensitivity, so that dense tissue, cutting surface smooth.
5. enhance the ability of graphite nucleation and increase the graphite core.
6. for ductile iron, it is a powerful deoxidizer, can reduce the amount of nodularizing agent to increase and improve the rate of spheroidization.
7. to restore the already rusted waste alloys, reduce the cost of molten iron.
8. eliminate the iron oxide factors, reducing the furnace wall oxidation, extend the furnace wall life of 30%.
9. strong deoxidation, purification of molten iron.
10. gray iron graphite form shorter length, A-type graphite increased, D-type graphite to reduce the number of eutectic and pearlite significantly improved
11. grain refinement, crystallization increased; hot metal inclusions significantly reduced;
12. due to silicon carbide inoculant nucleating ability, can improve the graphite form, refine the organization, thereby enhancing the mechanical properties and leak-proof.
13. the core of ductile iron increased the number of graphite balls increased, the rate of spheroidization increased, raising the level of a level of spheroidization.
14. low Al content.
15. It can increase little the compressive strength and hardness in the normal standard range.
16. There is no any change in the metallographic structure.

If you let me your furnace style, I will recommend a model with price for you.
Our main products are SiC SiCa SiBa FeSi SiMet and cored wire and HC Silicon etc.
Any question, I will try my best to help you.