

Physical and mathematical modeling of Tundish operations

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In this monograph we seek to show how these ideas may be combined to provide a good basic understanding and, hence, an attempt at an optimal design. They therefore spread out within the tundish with the liquid Figure 4. The trajectories of these microbubbles were similar to our numerical predictions Figure 4.

Modeling of Steelmaking Processes

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Tundish Technology for Casting Clean Steel: A Review

During a ladle change, the new steel entering the tundish is at a higher temperature than the steel already present in the tundish. Gas injection also increased the removal rate of simulated inclusions in the size range of 20 to 100 μm from 43 to 65 pct.

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This behavior is the reverse of that observed under steady-state conditions. Thus, during drying in the vibrodryer of water atomized copper alloy powder with initial 8 wt% and residual 0. If the viscosity is too high, this will limit the ability of the flux to absorb inclusions.

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