



Selected Publications of intensive Cooling

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Cooling Strategies to equalize Surface Hardness and minimize Distortion

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#### Research Focuses

- ▶ Dynamic Simulation of Heat Treatment Processes
- ▶ Intensive Cooling of Metals with Hardness and continuous casting Processes
- ▶ Cumulative Energy and CO<sub>2</sub> Balances
- ▶ Heat Transfer Processes
- ▶ Influence of Surface Roughness on secondary Cooling in continuous Casting of non-ferrous Metals
- ▶ Analysis and Modeling of Heat Transfer in Rotary Pipes with Lifting Blades