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## Control technology of homogenization during Solidification of high-end continuous casting slab

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For low carbon content personalized steel grades, the corresponding relationship between the banded microstructure at the typical position of 1/4 width of hot rolled steel coil and the W shape of the solidification end point of the cast slab was revealed. The influence of hereditary laws such as casting solidification structure and element distribution on banded microstructure was clarified. The soft reduction technology considering the reduction efficiency at the solidification end was developed, and the idea of two-stage uneven reduction at the solidification end was proposed to solve the problem of uneven W-shaped solidification at the transverse 1/4 position of the cast slab, effectively improving the proportion of steel coils with a banded microstructure less than C 2.0.

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