

Hot Correcting Machine for the Rail Head Repair Method by Alumino-thermic Welding

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When rail head repair method is used to fix damaged rails, hot correcting work is required to prevent the repaired parts from dipping due to thermal contraction. Since a conventional hot correcting machine has a mechanism to lift bottom of the rail, it can only be used for ballast tracks. In this study, we newly developed a hot correcting machine to be used for solid-bed tracks. Furthermore, we confirmed the practicality of our proposed method by welding test on actual track.