

Device for post-welding treatment of welded joints in railroad rails, and for heat treatment of welded joints in railroad rails, comprises control unit for managing the operations of heat treatment process for welded joints in railroad rails, induction heating unit, heating temperature sensor in the form of infrared pyrometer installed in the heating zone, quenching device in the form of sprayer connected to quenching medium supply device, drive for moving induction heating unit, drive for moving sprayer, and optical control system. In addition, high-frequency impact treatment unit with drive for its movement has been incorporated into device.