

# High-frequency induction surface hardening working for the steel

United Induction Heating Machine Limited

We are experienced in Induction Heating, induction heating machine, Induction Heating equipment. They are widely used in induction heating service, induction heat treatment, induction brazing, induction hardening, induction welding, induction forging, induction quenching, induction soldering induction melting and induction surface treatment applications  
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induction hardening HDTV rotating bodies made with the rotation of hardened parts. Long parts hardened inductor in series with the movement along the axis of the member. Cooling the workpiece immediately after the heating is performed by jets of water or a liquid composition from a specially selected spreera pressure.

Serial tempering valve annular area with access to the quenching zone collar

Quenching subjected chamfer hole 50 mm in diameter located at a depth of 30 mm and two annular portions, 30 mm wide on the external surface of the valve.

Tempering Circle produced a ring inductor with ferrite magnetic core by rotating the valve. At the same time heats the entire quenching surface, and the rotation is necessary to ensure uniformity of heating.

Serial tempering valve annular portion

Quenching ring portions on the outer surface of the valve is made flat inductor with ferrite magnetic core rotating valve. In this case, heat a small area under the inductor and heating zone is moved by rotating parts. There is a consistent hardening annular surface width of 30 mm per rotation parts.



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