

# induction quenching surface metal with magnetic core 1

Hengxin Science and Technology Limited

Hengxin is experienced in Induction Heating Machine and Induction Heating Power Supply, induction heating equipments can be 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 quenching is a form of heat treatment in which a metal part is heated by induction heating and then quenched. The quenched metal undergoes a martensitic transformation, increasing the hardness and brittleness of the part. Induction quenching is used to selectively harden areas of a part or assembly without affecting the properties of the part as a whole.

Induction quenching is one of Induction heating's main application areas. Thousands of our quenching solutions are at work around the world, many of them within the automotive industry.

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