

induction hot fit massive complex shapes

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
<http://www.uihm.com>

High-frequency induction heating is successfully used for shrink-fit and renting unique details (bandages, all bore rotors of turbine parts, parts with bore powerful engines, bearing rings, propellers of ships, bore different parts forging equipment, etc.)

Advantages of the high-frequency induction heating.

The advantages of high frequency induction heating of the hot landing and doffing bandages turbine generators over traditional heating power frequency:

1. Eliminates spark erosion area of contact with the teeth of the rotor shroud and podbandazhnoy winding;
2. Eliminates heating adjacent components and rotor teeth due to localization of the electromagnetic field at the outer surface of the shroud;
3. The heating time during landing and doffing bands of 15 to 60 minutes, which is several times less than the heating power frequency;
4. Easy inductor without water cooling is easy to manufacture and allows for uniform heating of the landing area;

The minimum strength of the external electromagnetic field and the low voltage across the inductor for heating HDTV improve working conditions and safety of the operator.



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