

Difference between UHF, HF, RF and MF induction heaters

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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Type UHF (Ultra-high Frequency) HF (High Frequency) RF (Radio Frequency) MF (Medium Frequency) Frequency ≥ 100

KHz 30KHz ~ 100KHz 20KHz ~ 80KHz 5KHz ~ 20KHz Based IGBT or MOSFET or

SiC IGBT IGBT or SCR Cooled Type Water Water or Air Water or Air Water or

Air Application Description Ultra-high frequency induction heaters are often used for quenching

or hardening work, higher output frequency will bring thinner hardening depth and faster heating speed (some applications need 0.1mm ~ 2mm

hardening depth, then only ultra-high frequency machines can satisfy

these works). High frequency induction heaters are often used for brazing,

jointing, normal quenching or small forging work. Radio frequency induction heaters are often used for hardening,

brazing, welding, normal quenching, forging and forging work. Medium frequency induction heaters are often used for forging or

melting or big depth quenching work. Samples









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