

# U shape induction coil with magnetic ferrites for heating knife1

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 coil (inductor) is very important for the induction heating system, it can influence the output frequency and output current (power) of induction heater. When the length of induction coil is too long or too short, induction heat can't work or the machine can't output a best power.

However, there is no formula for you to design an induction coil for each application, it's often depend on experience, and this is the biggest disadvantage of induction heating.

The key point of how to design a best shape of induction coil is to test the output frequency of induction coil, if the output frequency can match the machine's best frequency, it will often bring a best and stable output power.

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