

# Induction Heat pliers

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>

Heat pliers Objective Heat pliers for final shaping of the handles

Material Steel pliers handles 5" (12.7 cm) long; 0.14" (3.56mm) thick

Temperature 1200°F (649 °C)

Frequency 199 kHz

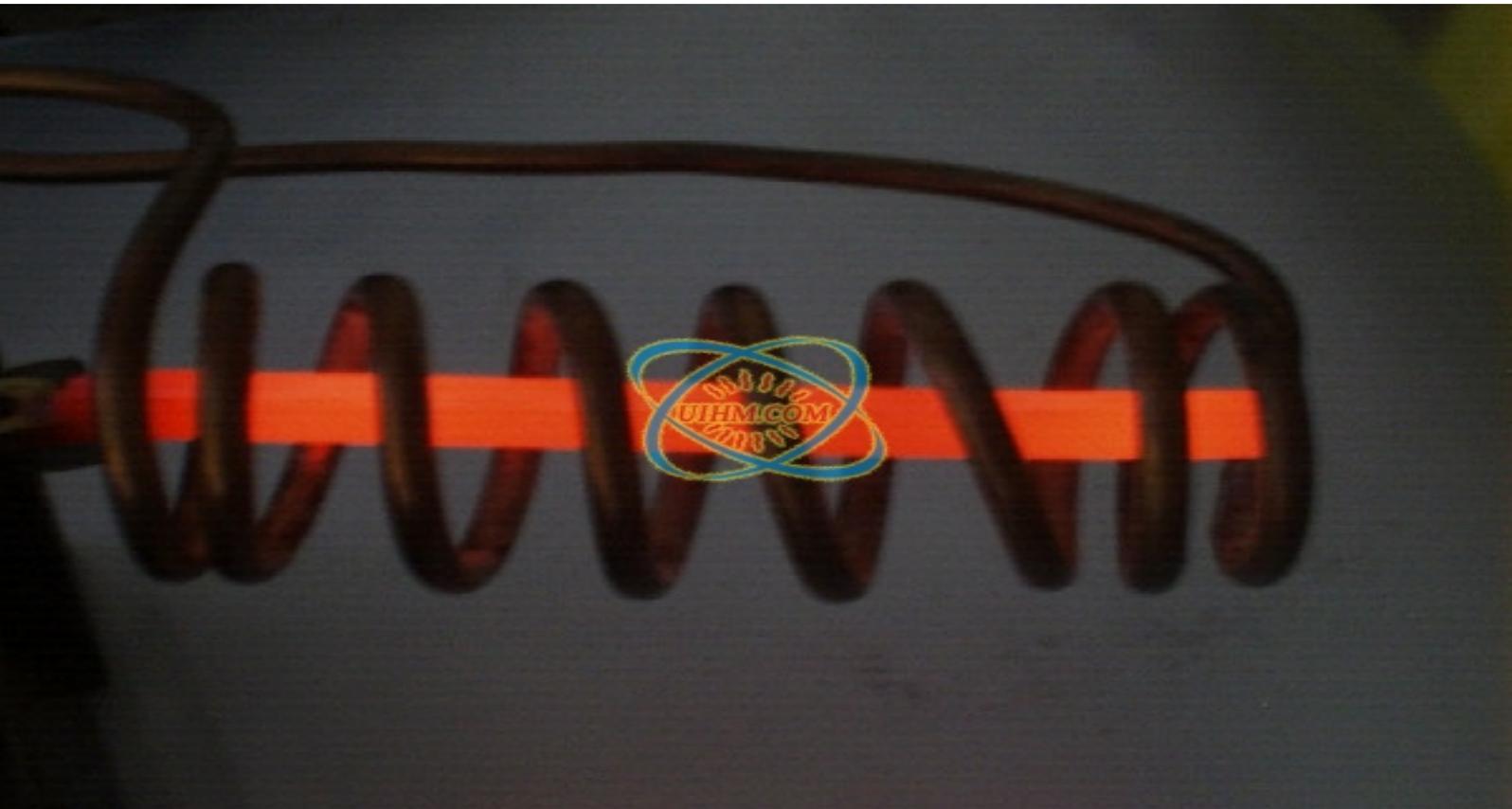
Equipment Power of 6kW induction heating system, equipped with a remote heat station containing two (2) 0.33  $\mu$ F capacitors for a total of 0.66  $\mu$ F.

An induction heating coil designed and developed specifically for this application.

Process A multi-turn helical coil is used to heat a 3.75" (9.53cm) long zone on one handle of the pliers at a time. The coil design allows easy loading and unloading without having to rotate the part. The handle is inserted into the coil and heated for 30 seconds to reach 1200°F. Then the part is transferred to a press and formed into the correct handle shape.

Multiple pliers handles may be heated simultaneously with a higher kW power supply.

Results/Benefits • Precisely heating the desired zone avoids overheating of part. This provides higher quality vs. heating with a torch. Heat pliers



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