

Induction Heating engine head

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>

Heating engine head Objective Heat steel liners on the head of an engine to remove aluminium casing.

Material Steel, 80 mm ID x 190 mm (3.1 in x 7.5 in.)

Temperature 650 °C (1202 °F)

Frequency 81 kHz

Equipment Power of 35kW induction heating system, equipped with a remote workhead containing one 2.6µF capacitor.

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

Process An internal 10 turn solenoid (bore) coil is used to heat the steel liner to 650 °C (1202 °F) in approximately two minutes.

Pressure is applied to the outer aluminium skin to loosen it from the steel. A four position coil can be used to heat 4 liners simultaneously.

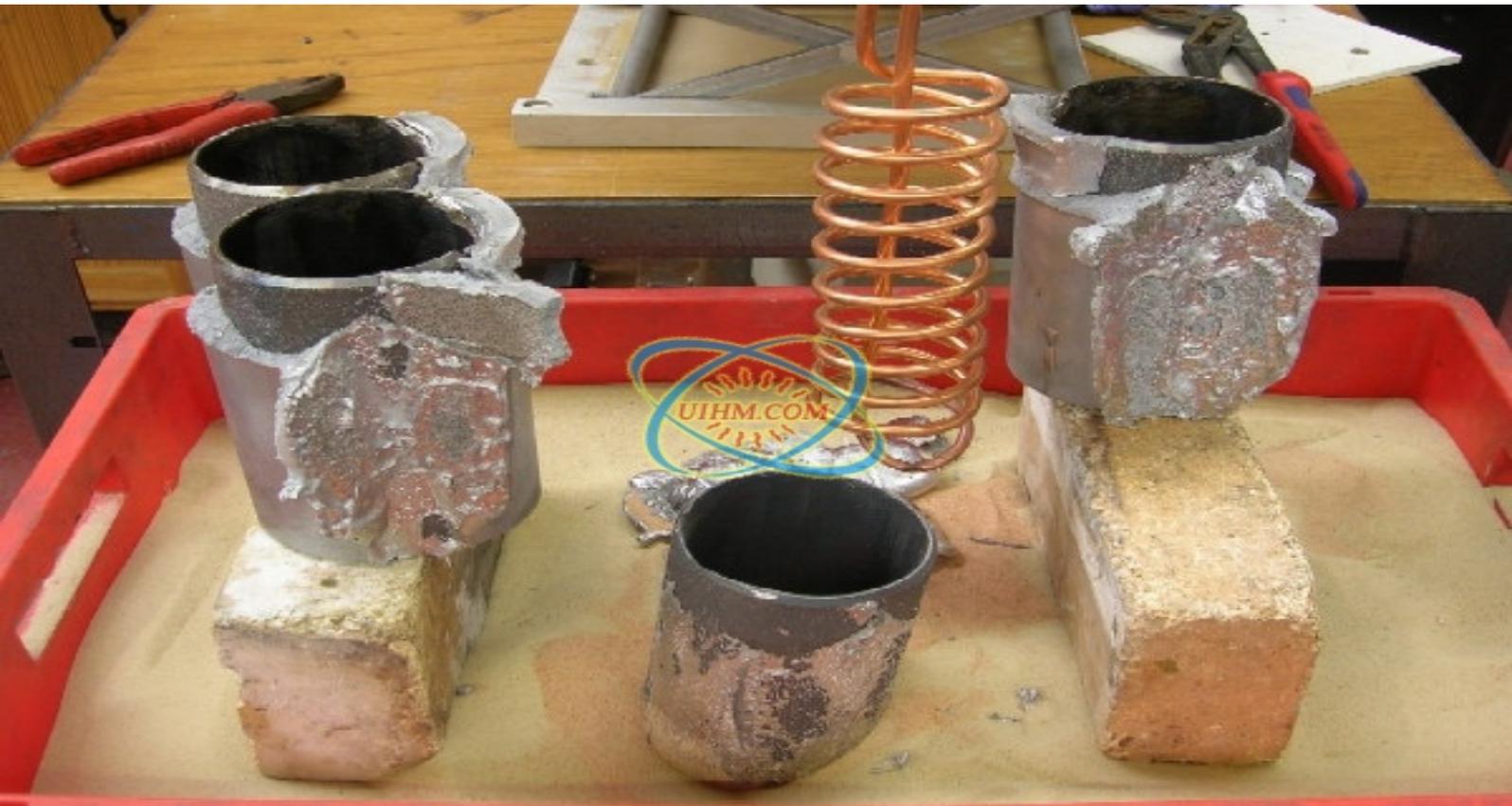
Results/Benefits Induction heating provides:

- Precise direct heat to disengage the aluminium quickly and cleanly. The aluminium casing is recycled and reused thereby reducing scrap and cutting costs.

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