

Induction Debond rubber seal from steel

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>

Objective Debond a fluorocarbon rubber seal from a carbon steel oil seal Material 4" (10.2cm) OD carbon steel oil seal with a fluorocarbon rubber seal

Temperature 1200 °F (649 °C)

Frequency 179 kHz

Equipment • Power of 6kW induction heating system, equipped with a remote workhead containing two 0.66µF capacitors for a total of 1.32µF

- An induction heating coil designed and developed specifically for this application. Process A two turn helical coil is used to heat the steel oil seal. The seal is placed in the coil and heated for 8 seconds. Once the seal had cooled the rubber seal is easily peeled from the steel in one piece.

Results/Benefits Induction heating provides:

- Highly accurate placement of heat, no effect to surrounding components
- Faster and more efficient
- Even distribution of heating

Debond-rubber-seal-from-steel

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