

Induction Annealing Saw blades

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 Anneal saw blades used for cutting bread, prior to hole punching.

Material .38" (9.6mm) wide and .51" (12.9mm) wide continuous strips of 400 series stainless steel.

Temperature 600°C (315.6°F) for one second

Frequency 229kHz

Equipment • UIHM 6 kW induction heating system equipped with a remote workhead containing one 1.00 µF capacitor.

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

Process A three turn helical coil at a 45° angle is used to anneal a 1.2"

(30.5mm) strip of saw blade prior to hole punching.

Results/Benefits Induction heating provides:

- Improved quality of blades at hole punching location
- Decreased scrap product
- Easily incorporated into existing production lines

Annealing-Saw-blades

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