

# Induction Curing epoxy

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** Heat the end of an aluminum copier roller to 400 °F (200 °C) to cure epoxy

**Material** Aluminum roller 4.75" (120mm) diameter, 2' (0.6m) long with 1.5" (38.1mm) thick plug at end

**Temperature** 400 °F (200 °C)

**Frequency** 52 kHz

**Equipment** • Power of 25 kW induction heating system, equipped with a remote workhead containing eight 1.0µF capacitors for a total of 2.0µF

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

**Process** A four turn helical pancake coil is used to heat the end of the copier roller assembly. The assembly is heated 90 seconds to cure the adhesive.

**Results/Benefits** Induction heating provides:

- Faster process time
- Hands-free heating that involves no operator skill for manufacturing
- Even distribution of heat between tube and end plug

Curing-epoxy

Curing-epoxy-before





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service@uihm.com  
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