

Induction Heating brass mandrel die

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 brass mandrel die Objective Water-cooled brass mandrel die, nylon LDPE catheter, "K" type thermocouple and temperature controller.

Material materials, supplies involved in the application

Temperature 400°F (204°C)

Frequency 325kHz

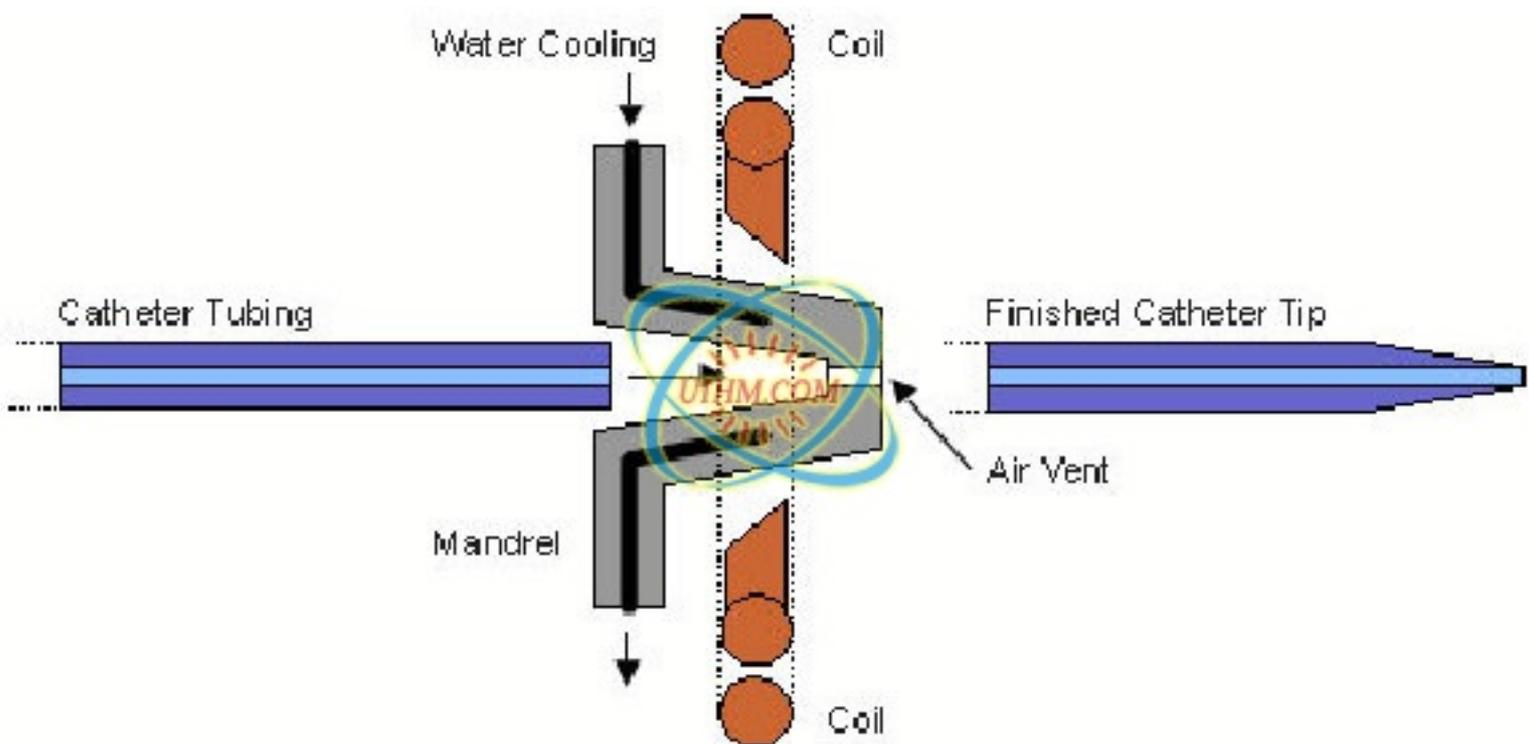
Equipment Power of 10kW induction heating system, remote heat station containing one 0.66 microfarad capacitor.

Process A two turn plate concentrator coil is used to heat the die. To measure the temperature on the ID and establish the time-to-temperature relationship, the thermocouple is inserted inside the brass die. RF power is applied for 3 seconds to heat the die to 400°F (204°C). The nylon tube is pushed into the die and formed into a catheter.

Results/Benefits Induction heating provides:

- Increased throughput and reduced cycle time
- Consistent and repeatable results
- Clean heating
- Precise temperature control

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