

Induction Heating steel mandrel tip

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 steel mandrel tip Objective Heat a water-cooled steel mandrel to 700°F (371°C) to form a high quality Teflon catheter tip.

Material Teflon catheter tubing, mandrel assembly

Temperature 600-700°F (315-371°C)

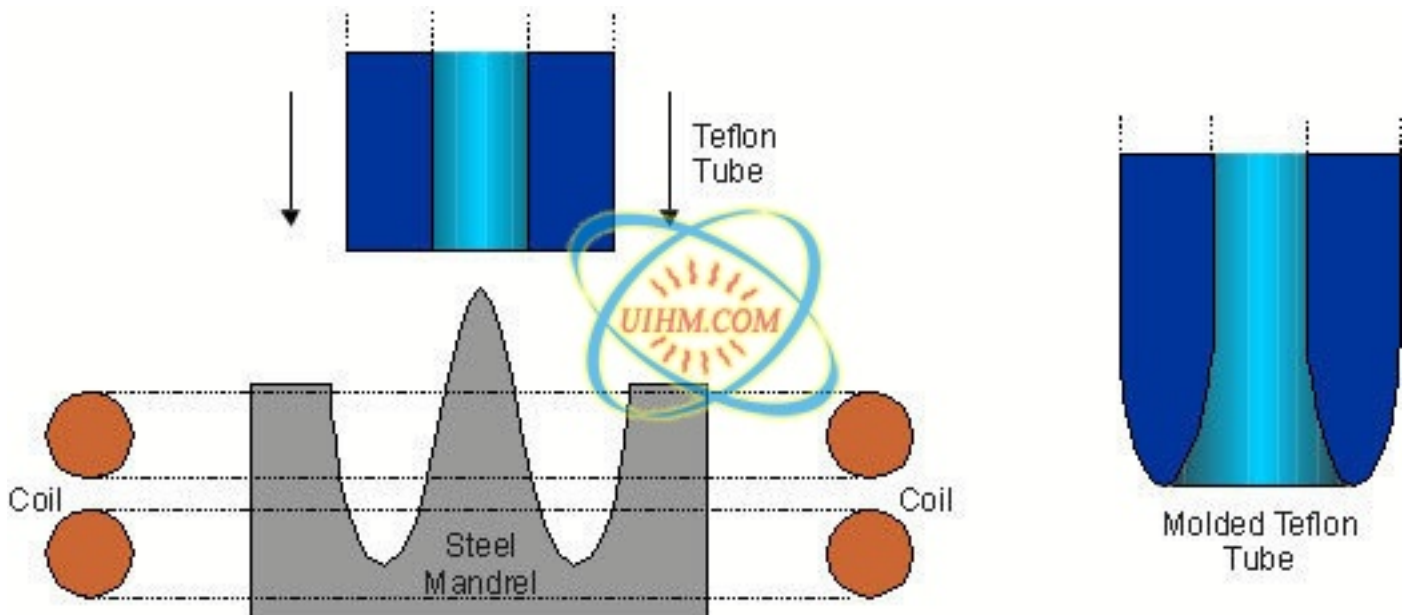
Frequency 376 kHz

Equipment • Power of 10kW induction heating system, equipped with a remote workhead containing one 0.66μF capacitor.

• An induction heating coil designed and developed specifically for this application. Process A two turn coil is used to heat the steel mandrel to 660°F (371°C) in 2.7 seconds. To form the catheter tip, RF power is applied while the catheter is held over the mandrel. The tubing is then pushed on to the mandrel to form a consistent, even tip.

Results/Benefits Induction heating provides:

- Precise, repeatable application of heat
- Non-contact heating
- Faster cycle times



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