

# Induction Heating Eight Steel Rods

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 Eight Steel Rods Objective Heat eight steel rods simultaneously to 212°F (100°C) for a molding operation.

Material 8 Steel Rods measuring 1/2 (12.7mm) in diameter and 14 (355.6mm) long held in place by 2.5" (63.5mm) diameter Teflon end plates.

Temperature 212°F (100°C)

Frequency 40 kHz

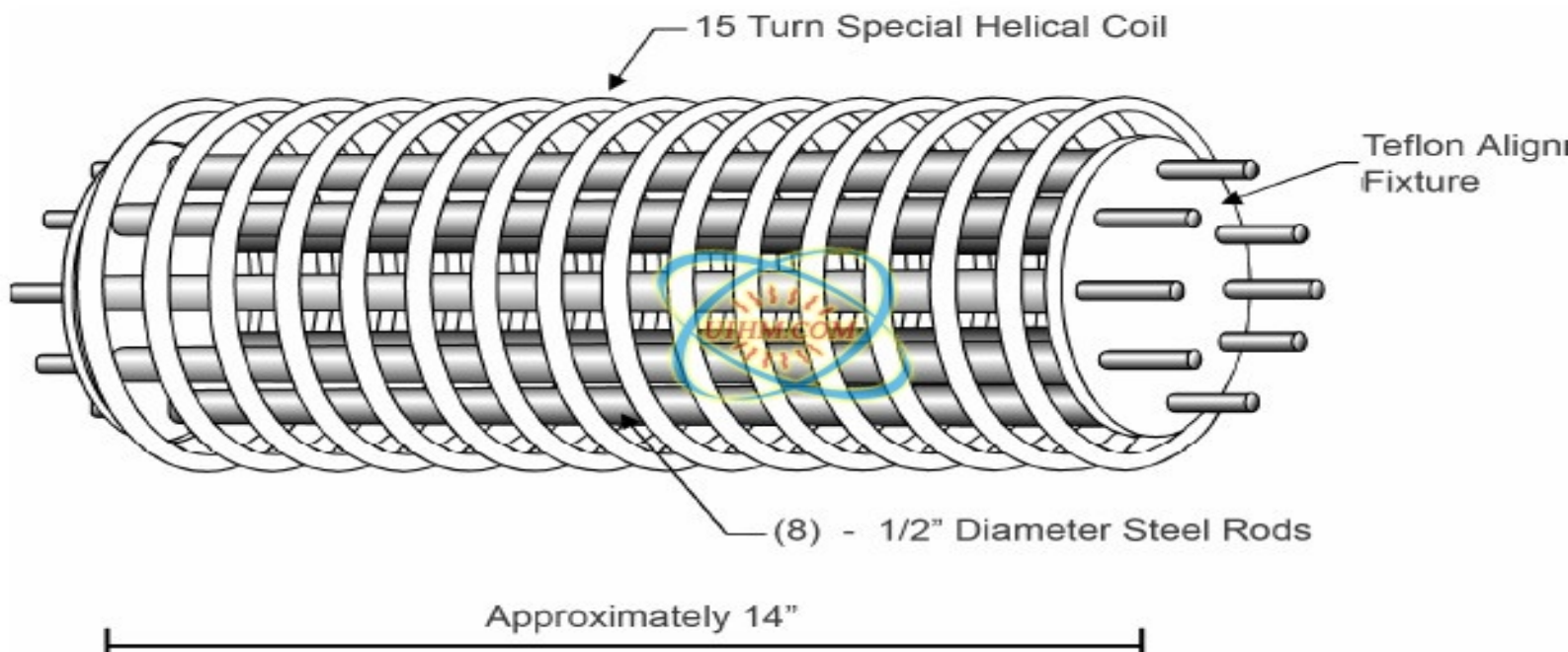
Equipment • Power of 45kW power supply kW induction heating system equipped with a remote workhead containing one capacitor equaling 0.66 μF

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

Process A fifteen turn helical coil is used to heat the stainless steel rods simultaneously for 45 seconds to reach 212°F (100°C). Teflon end plates are used to hold the rods in place.

Results/Benefits Induction heating provides:

- Uniform heating without rotation of rod capsule
- Decrease in energy consumption
- Hands free operation



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