

Induction Forging Inconel Billets

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>

Forging Inconel Billets Objective To heat inconel billets to 2050°F (1121.1°C) for a forging process.

Material Small inconel billets 0.39" OD, 0.7" length (.99mm OD, 17.8mm length) with ceramic crucible 1.0" OD, 0.7" ID, 1.4" length (25.4mm OD, 17.8mm ID, 35.6mm length); large inconel billets 0.5" OD, 1.0" length (12.7mm OD, 25.4mm length) with ceramic crucible 1.25" OD, 0.87" ID, 1.37" length (31.8mm OD, 22.1mm ID, 34.8mm length)

Temperature 2050°F (1121.1°C)

Frequency 226 kHz

Equipment • Power of 20kW induction heating system equipped with a remote workhead.

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

Process A four-turn helical coil is used to deliver uniform heat to the inconel billets.

Both size billets heat to 2050°F (1121.1°C) within 12 seconds.

Results/Benefits Induction heating provides:

- Uniform and repeatable results
- Flameless Forging Inconel Billets

service@uihm.com

United Induction Heating Machine Limited

