

Induction Soldering stainless steel

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>

Soldering stainless steel Objective Heat Stainless steel connector for soldering application in automotive wire harness manufacturing

Material Stainless steel connector 1.57" (40mm) long, 0.6" (15mm) OD & 0.4" (10mm) thick. Lead free solder

Temperature 392 °F (200 °C)

Frequency 352 kHz

Equipment • Power of 10kW induction heating system, equipped with a remote workhead containing one 1 µF capacitor.

- An induction heating coil designed and developed specifically for this application. Process A two turn channel coil is used for soldering the connector to the wire harness. The stainless steel connector and wire harness are placed in the coil for 20 seconds for the solder to fill just the top of the connector.

Results/Benefits Induction heating provides:

- By precisely heating the metal, the plastic shroud is not directly heated
 - Reduced production cost
 - Faster process time, reduced production cost
 - Hands-free heating that involves no operator skill for manufacturing
 - Even distribution of heating
- Soldering stainless steel

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Finished Product



Stainless steel connector