

Induction soldering solar panel

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
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soldering solar panel Objective Heat multiple joints on solar flex circuit strips to 500°F (260°C) within ten seconds for a soldering application.

Material Flexible solar panel, Solder Plus Paste 63NC-A, 0.0625" (1.59mm) thick Teflon sheets

Temperature 500 °F(260°C)

Frequency 278 kHz

Equipment •Power of 6 kW induction heating system equipped with a remote workhead with one 1.2 μF capacitor

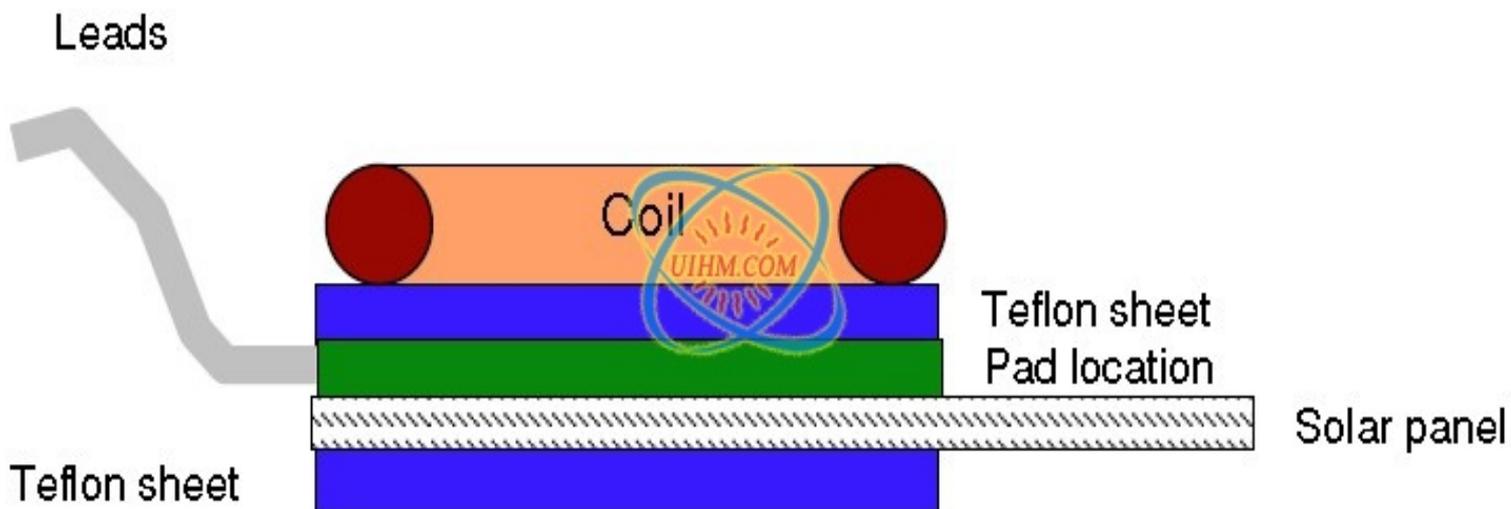
- An induction heating coil designed and developed specifically for this application. Process A specially-designed induction coil is used to provide even heat in the area where the wires on the solar circuits overlap.

A very light coat of solder paste is applied to the circuit connections and a small amount of pressure is applied to the

Teflon sheets to hold the circuits together. Power is applied for 10 seconds to flow the solder paste and bond the wires to the flex circuits

Results/Benefits Induction heating provides:

- Consistent and repeatable results
- Non-contact clean heating
- Flameless process soldering solar panel



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