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Induction Heating.

A typical induction heater system includes a power supply, impedance matching circuit, tank circuit, and applicator. The applicator which is the induction coil can be a part of the tank circuit. A tank circuit is usually a parallel set of

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capacitors and inductors. The capacitor and inductor in the tank circuit are reservoirs of electrostatic energy and electromagnetic energy, respectively.

Induction Heating  
Coils - Components  
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called eddy  
currents dissipate  
energy and bring  
about heating. The  
basic. components  
of an induction  
heating system are  
an induction coil, an  
alter-. nating-

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current (ac) power supply, and the workpiece itself.

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currents dissipate  
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current (ac) power  
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heating circuits and load matching and summarizes major equipment

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Design procedures are thoroughly covered for heat treating, through heating, induction melting, pipe welding, and

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induction brazing  
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operations.

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Martín Segura,  
Barcelona, June  
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Control And

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Heating - Theory  
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Induction heating is  
a process which is  
used to bond,  
harden or soften  
metals or other  
conductive  
materials. For many



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manufacturing  
processes,  
induction heating  
offers an attractive  
combination of  
speed, consistency  
and control. The  
basic principles of  
induction heating  
have been  
understood and  
applied to  
manufacturing since

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## Heating Design GH IA Induction Heating Guide

Induction is completely different from all other cooking technologies. It does not involve generating heat which is then transferred to the pan; it makes the

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pan itself the original generator of the cooking heat. In a nutshell: An induction-cooker element (what on a gas stove would be called a ' burner ' ) is a powerful, high-frequency ...

Induction cooking:  
what is it and  
what's in it for you

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