

# Compact Heating System

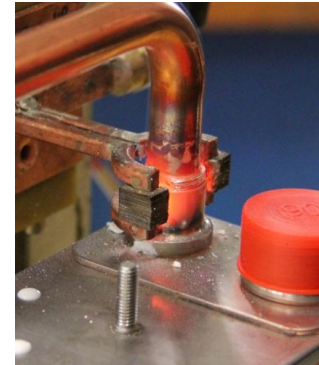
DIGIMAC is a compact and transportable system able to heat determined areas of metal parts in a fast, accurate, clean and easy way through induction heating.

The main benefits of this system are:

- Increased productivity and parts quality
- Energy savings and reduced production costs
- Easy to operate and process control
- Environment friendly process: low noise level and no toxic gases

Digimac is composed of a compact generator with user interface for process control and a grip header with incorporated transformer and coil. The system is delivered as a kit ready to use.

There is both low frequency (SM) and high frequency configuration (SH).



Tube brazing and tool heating example



Digimac is used in various industrial applications such as:

- Heat straightening of metal parts
- Brazing of cooling pipes
- Brazing of hard to reach areas in large parts
- Where open flame must be avoided
- Paint and varnish cleaning
- Sealing

## Compact induction heating system

### General characteristics

#### Basic configuration

- MPC-1 control: power regulation, alarms and cooling waterflow visualitation
- Language: English, Spanish, German, other on request
- On/off button for starting heating on the grip header
- Designed for manual heating control

#### Options

- Trolley
- Input transformer for higher voltages
- Filtering kit for un-controlled cooling water
- Ultra-compact cooling system
- MPC-1max: includes semi-automatic mode with energy control
- Footswitch
- Purpose-built coil according to customer specifications

### Technical data

Output continuous power		10	25
Type		10SH300-DIGIMAC	25SM20-DIGIMAC
Frequency	kHz	[50, 300]	[4, 20]*
Power supply	kVA	12,5	31,5
Voltage supply	VAC	380 – 400, 50/60 Hz	380 – 480, 50/60 Hz
Generator width	in/mm	12,8/325	12,8/325
Generator depth	in/mm	21,3/540	21,3/540
Generator height	in/mm	15,7/400	15,7/400
Oscillator width	in/mm	12,8/325	12,8/325
Oscillator depth	in/mm	21,3/540	21,3/540
Oscillator height	in/mm	7,8/200	7,8/200
Generator + Oscillator weight	lb/kg	132/60	132/60
Water temperature min/max	°F/°C	[68, 86] / [20, 30]	[68, 98,6] / [20, 37]
Water supply		1/2" + 1/2"	1/2" + 1/2"
Waterflow	gpm/lpm	2,9/11	2,6/10

\* Extended frequency range are available on request until 100 kHz

