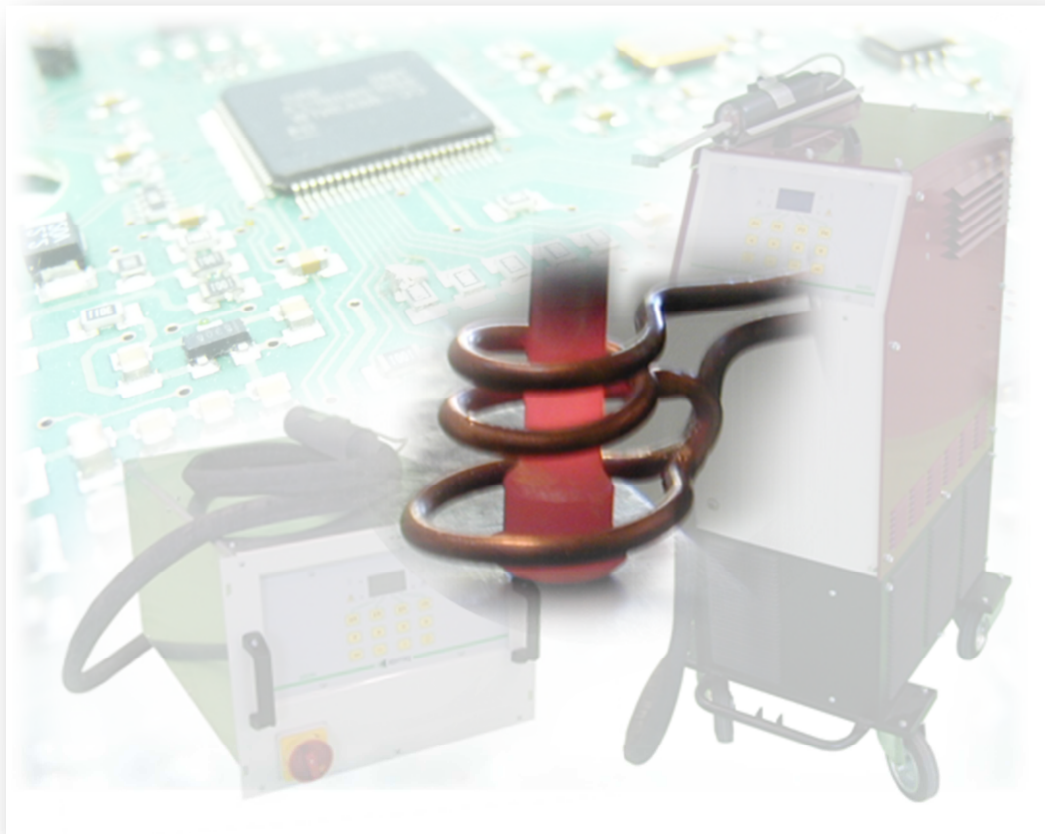


Pimas



Induction heating systems

Ekohs series

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Tekohs series

Ekohs HF



Ekohs HF systems are scalable for power ratings in the range 1÷25kW and different case formats are available (rack 19", portable with incorporated cooling system, compact or custom).

The working frequency is automatically tuned to the resonance frequency, in the range 100kHz÷750kHz, so many thermal processes are possible, including:

- ✓ Aluminum, copper and steel brazing;
- ✓ Brazing of miniature components for electronics and optics;
- ✓ Brazing and thermal treatment of aerospace and medical components;
- ✓ Superficial hardening of mechanical components;
- ✓ Varnish removal on wires;
- ✓ Wire heating;
- ✓ Sealing;
- ✓ Heating for metal-plastic coupling;

Upon request, pyrometer is provided for temperature measurements of the thermal process.

Power ratings:

- 1kW÷25kW

Working frequencies

- 100kHz÷750kHz

EkoHs HF



Portable
EKOHS MOBILE

Rack 19''
EK10H1
EK15H1
EK20H1

Compact
EK03H1
EK06H1

Model	Nominal Power	Supply	Frequency	Input Apparent Power	Case Dimensions W x H x D	Torch Dimensions Ø x L	Cooling
EK03H1	3kW	1AC 230V 3AC 230/400V 50/60Hz	100...750kHz	4kVA	300x250x300mm	64x150mm	Water
EK06H1	6kW	1AC 230V 3AC 230/400V 50/60Hz	100...750kHz	8kVA	300x250x300mm	64x200mm	Water
EK10H1	10kW	3AC 400-480V 50/60Hz	100...600kHz	12.5kVA	Rack 19'' 485x360x660mm	64x250mm	Water
EK15H1	15kW	3AC 400-480V 50/60Hz	100...600kHz	18.5kVA	Rack 19'' 485x360x660mm	64x250mm	Water
EK20H1	20kW	3AC 400-480V 50/60Hz	100...600kHz	24kVA	Rack 19'' 485x360x660mm	80x250mm	Water
EKOHS MOBILE	10kW	3AC 400-480V 50/60Hz	100...600kHz	12.5kVA	465x1080x710	64x250mm	Water , integrated cooling system

Ekohs MF



Ekohs MF systems are scalable for power ratings in the range 6÷100kW and different case formats are available (rack 19", portable with incorporated cooling system, compact or custom).

The working frequency is automatically tuned to the resonance frequency, in the range 20kHz÷100kHz, so many thermal processes are possible including:

- ✓ Steel, copper, brass or aluminum Brazing;
- ✓ Metal heating for shaping;
- ✓ Pre-heating in welding processes;
- ✓ Shaping of tubes;
- ✓ Heating for metal-plastic coupling;
- ✓ Riscaldamento di pezzi metallici per la forgiatura e l'estrusione;
- ✓ Deep hardening;
- ✓ Metal fusion;

Upon request, pyrometer is provided for temperature measurements of the thermal process.

Power ratings:

6kW÷100kW

Working frequencies

20kHz÷100kHz

Ekohe MF



Rack 19''

EK10M1
EK15M1
EK25M1
EK50M1
EK100M1

Compact

EK06M1

Model	Nominal Power	Supply	Frequency	Input Apparent Power	Case Dimensions W x H x D	Torch Dimensions Ø x L	Cooling
EK06M1	6kW	3AC 400-480V 50/60Hz	20...100kHz	8kVA	300x250x300mm	64x200mm	Water
EK10M1	10kW	3AC 400-480V 50/60Hz	20...100kHz	12.5kVA	Rack 19'' 485x360x660mm	64x250mm	Water
EK15M1	15kW	3AC 400-480V 50/60Hz	20...100kHz	18.5kVA	Rack 19'' 485x360x660mm	64x250mm	Water
EK25M1	25kW	3AC 400-480V 50/60Hz	20...100kHz	31kVA	Rack 19'' 485x360x660mm	80x250mm	Water
EK50M1	50kW	3AC 400-480V 50/60Hz	20...50kHz	62kVA	Rack 19'' 485x720x660mm	80x250mm	Water
EK100M1	100kW	3AC 400-480V 50/60Hz	20...50kHz	120kVA	Rack 19'' 485x720x660mm	120x250mm	Water

TekoHs



TekoHs systems work in the power range 5÷100kW and in the frequency range 20÷40kHz.

Conceived and developed to provide excellent performance at a low price, these generators are suitable for processes like:

- ✓ Varnish removal;
- ✓ Removal of pin, suspensions and shock absorbers;
- ✓ Shaping of shafts;
- ✓ Bolt unlock;
- ✓ Ironing of metal sheets;
- ✓ Special processes on metal components.

Power ratings:

- 5÷100kW

Working frequencies

- 20÷40kHz



TEK21M1

TEK16M2

TEK16M1

TEK11M1

TEK05M1

Model	Nominal Power	Supply	Frequency	Input Apparent Power	Case Dimensions W x H x D	Torch Dimensions ø x L	Cooling
TEK05M1	5kW	1AC 230V 50/60Hz	20...40kHz	6kVA	420x1040x420mm	64x250mm	Water
TEK11M1	11kW	3AC 400V 50/60Hz	20...40kHz	12kVA	500x760x600mm	64x250mm	Water
TEK16M1	16kW	3AC 400V 50/60Hz	20...40kHz	18kVA	500x1100x600mm	64x250mm	Water
TEK16M2	16kW	3AC 400V 50/60Hz	20...40kHz	18.5kVA	500x780x800mm	64x250mm	Water
TEK21M1	21kW	3AC 400V 50/60Hz	20...40kHz	24kVA	1000x950x630mm	64x250mm	Water