

PICO-S



PICO-L

PICO by eldec



PICO by eldec –
small, red, strong

eldec

PICO by eldec – small, red, strong

Just heat! Low-cost energy sources with a single output and very simple intuitive control.

The PICO Series is available in two housing sizes and a wide range of capacity classes. PICO-S and PICO-L are our low-cost devices with uncompromising eldec quality due to the high level of component standardization. Developed, built, and tested "by eldec." eldec PICO generators are available in the form of medium-frequency and high-frequency energy sources from 5 to 150 kW for the inductive heating of a wide range of workpieces and materials.

PICO generators are extremely compact, but pack a very high power density. For example, the PICO-S generator (tabletop housing size) is available with 30 kW MF – the best ratio of size-t-power on the market.

Thanks to the new, intuitive user interface, plug & play is a reality. Equipped with familiar user-friendly functions, it is a simple but extremely powerful generator.

If you have any other requirement, such as higher output power levels, multiple outputs, frequency range switching, low frequencies, dual frequencies, or simultaneous frequencies (LF, DF, SDF®), eldec can supply customizable solutions with its ECO LINE and CUSTOM LINE series.



PICO-S



PICO-L

Type / Maximum power	Power connection ± 10 % 50/60Hz		Cooling water consumption without inductor	Dimensions / Weight Generator	
	V	A	l/min	W x H x D mm (in)	kg
PICO-S 5 MF	3 x 400	10	8	450 x 280 x 510 (18 x 11 x 20)	50
PICO-S 10 MF	3 x 400	20	8	450 x 280 x 510 (18 x 11 x 20)	50
PICO-S 15 MF	3 x 400	32	8	450 x 280 x 510 (18 x 11 x 20)	50
PICO-S 20 MF	3 x 400	35	10	450 x 280 x 510 (18 x 11 x 20)	50
PICO-S 30 MF	3 x 400	63	12	450 x 280 x 510 (18 x 11 x 20)	60
PICO-S 5 HF	3 x 400	10	8	450 x 280 x 510 (18 x 11 x 20)	50
PICO-S 10 HF	3 x 400	20	8	450 x 280 x 510 (18 x 11 x 20)	50
PICO-S 15 HF	3 x 400	32	8	450 x 280 x 510 (18 x 11 x 20)	50
PICO-L 50 MF	3 x 400	100	27	550 x 910 x 800 (22 x 36 x 31)	150
PICO-L 75 MF	3 x 400	160	32	550 x 910 x 800 (22 x 36 x 31)	150
PICO-L 100 MF	3 x 400	200	37	550 x 910 x 800 (22 x 36 x 31)	170
PICO-L 150 MF	3 x 400	315	50	550 x 910 x 800 (22 x 36 x 31)	200
PICO-L 25 HF	3 x 400	50	11	550 x 910 x 800 (22 x 36 x 31)	150
PICO-L 35 HF	3 x 400	63	12	550 x 910 x 800 (22 x 36 x 31)	150
PICO-L 50 HF	3 x 400	100	27	550 x 910 x 800 (22 x 36 x 31)	160
PICO-L 75 HF	3 x 400	160	32	550 x 910 x 800 (22 x 36 x 31)	180

MF frequency range: 8–20 kHz or 16–40 kHz **HF** frequency range: 70–175 kHz or 140–350 kHz



PICO-L 75 MF with chassis and hose package storage



Cable box with heating cable for shrink-fit application

Range of functions, equipment and options

User health and safety are important to us, as is system availability. Therefore, the units feature tried-and-tested eldec quality with electrical isolation of all external signal connections. In addition, the cooling water and cooling element temperature, as well as the generator and inductor cooling water temperature are monitored consistently. **Find out more at our EMAG eldec Induction YouTube channel.**

Equipment:

- Operating modes: continuous, jog and timer
- Control types: power, electricity and temperature using a pyrometer
- 8 different timers, each with a max. running time of 600 seconds
- Memory for recipe storage, up to 50 recipes
- Intuitive operation using sealed keypad and display
- Also for PICO-L: 2-channel Emergency Stop
- Control possible via foot switch or foot pedal and external interface

Options:

- eldec brazing gun can be used
- Housing suitable for crane transport available for PICO-L
- Protection IP54 and mobile base available for PICO-L (Standard IP40)



Brazing carbide metal blades to a meat grinder tool



Brazing of flat copper strands on form-wound stators



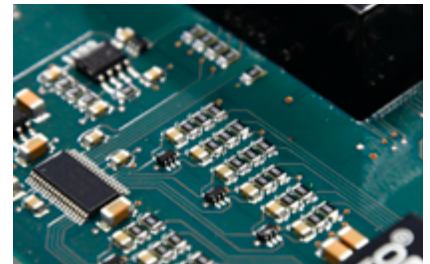
Brazing carbide metal pins to a road milling tool



Hardening the cutting edges of forming dies

Features of all eldec PICO generators

- Robust IGBT transistor technology - protected from short-circuit and open-circuit conditions; even accidental workpiece contact "faults out" and does not damage the generator
- Electrical isolation through output transformers
- Flexible output - Hose package length of up to 15 m available
- Modular inverter technology
- Time-tested oscillation circuit components
- Automatic adjustment and power regulation by pulse width modulation (MF) and pulse package control (HF), even for transitions over T_{curie}
- Simple operation and handling
- PID regulated temperature control
- Temperature and delivery rate-monitored fluid circuits
- Efficiency level > 90% (inverter output)
- Precision energy dosing ($\pm 2\%$)
- High speed eldec control unit (cycle time < 10 ms)
- Requires very little maintenance
- Large frequency, power and adjustment ranges
- All power details on the basis of 100% duty cycle





eldec Induction GmbH



Otto-Hahn-Str. 14
72280 Dornstetten
Germany
Phone: +49 7443 9649-0
E-Mail: info@eldec.de

Kottonau AG



Industriestrasse 18
8712 Stäfa
Switzerland
Phone: +41 447901 510
E-Mail: info@kottonau.ch

eldec Suzhou Induction Ltd.



No.88 Road Beijing East, Development Zone Taicang,
City Suzhou, Jiangsu Province
215400 Taicang
China
Phone: +86 151 0622 4787
E-Mail: yding@eldec-induction.cn

Amberleigh Consulting Ltd



Amberleigh House
Main Street, Bourton on Dunsmore
Warwickshire CV23 9QS
United Kingdom
Phone: +44 7710 231 851
E-Mail: elwyn.york@amberleigh.uk

eldec LLC



3355 Bald Mountain Rd., Unit 30
Auburn Hill, MI 48326
USA
Phone: +1 248 364 4750
E-Mail: info@eldec-usa.com

EMAG - Mexico



Av. Hercules 301 Nave 1, Poligono Empresarial Santa Rosa
76220 Santa Rosa Jauregui, Queretaro
Mexico
Telefon: +52 442 291 1552
E-Mail: info@mexiko.emag.com

EW Tech Oy



Koivulantie 135
FIN-12600 Läyliäinen
Finland
Phone: +35 850 4339 313
E-Mail: kimmo.korhonen@ew-tech.fi

EMAG DO BRASIL Ltda. - Brazil



Edifício Neo Corporate Offices, CJ 1503, Rua Enxovia, 472
04711-030 São Paulo
Brazil
Phone: +55 11 942579184
E-Mail: info@brasil.emag.com

EMAG MILANO Srl



Via dei Mille, 31
20098 San Giuliano
Milanese (MI)
Italy
Phone: +39 02 905942-1
E-Mail: info.milano@emag.com



Sales



Service