



# PICO

Standard generators with one output and simple handling.  
Available in numerous power classes. Just Heat!



PICO generators are low-priced generators in uncompromising eldec quality due to high standardisation of the components. They are extremely compact: e.g. the PICO-S generator (desktop housing size) is available with 30 KW MF - the best volume-to-power ratio on the market.

Thanks to the intuitive operator guidance, plug & play is truly reality.

Continuous, jog or timer operation, regulation according to output, current, temperature and recipe memory management are standard features.

PICO generators are offered as medium-frequency and high-frequency generators from 5 to 30 kW for inductive heating of a wide variety of workpieces and materials.

Available frequency ranges:

MF: 8 - 20 kHz / 16 - 40 kHz

HF: 70 - 175 kHz / 140 - 350 kHz

## Technical Data PICO-S

Type Rated Capacity	Mains Connection +/-10 % 50/60 Hz		Required cooling water without inductor	Dimensions W x H x D	Weight
PICO-S 5 MF	3 x 400 V	10 A	6 l/m	450 x 280 x 510 mm	50 kg
PICO-S 10 MF	3 x 400 V	20 A	10 l/m	450 x 280 x 510 mm	50 kg
PICO-S 15 MF	3 x 400 V	32 A	12 l/m	450 x 280 x 510 mm	50 kg
PICO-S 20 MF	3 x 400 V	35 A	13 l/m	450 x 280 x 510 mm	50 kg
PICO-S 30 MF	3 x 400 V	63 A	14 l/m	450 x 280 x 510 mm	50 kg
PICO-S 5 HF	3 x 400 V	10 A	6 l/m	450 x 280 x 510 mm	42 kg
PICO-S 10 HF	3 x 400 V	20 A	10 l/m	450 x 280 x 510 mm	42 kg
PICO-S 15 HF	3 x 400 V	32 A	12 l/m	450 x 280 x 510 mm	42 kg

## PICO – Specifications

Intuitive handling through sealed keypad and display	Automatic adaptation to resonance frequency	Automatic adaptation and power regulation through pulse width modulation (MF) and pulse packet control (HF), even when exceeding the Curie temperature
8 different timers with setpoint ramps	Housing with IP40 protection	
Control modes: power, temperature (PID)	External control via hardware contacts	
Operation modes: Continuous, Tap, Timer	Energy transmission via flexible hose package 5 m (MF) and 3 m (HF)	Interfaces & connections: Pyrometer, foot switch, foot pedal, emergency stop 1-channel, re-cooling system, 24V, signal lamp 4 coloured.
Sensor signals for temperature detection 0-5 V, 0-10 V, 0-20 mA and 4-20 mA	Circuit topology with electrical isolation	Power limitation possible (adjustable in 1 % steps)
Highspeed eldec regulation and control technology (response time < 10 µs)	Temperature and volume flow monitored fluid circuits with alarm function	Control possible via foot pedal and external interface
Available memory management for up to 50 recipes	Precise energy output due to power setting in 1% steps and 10 ms timer steps	
Short-circuit and open-circuit proven IGBT transistor technology	Inverter efficiencies > 95% (depending on operating condition)	

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## PICO – Options

Mains voltage 480 V optional	eldec Heat Controller can be used (with reduced range of functions)	Measurement of the energy consumption of the entire system (external device)
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*eldec*

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**AR-based Service**

With our AR glasses, you are directly in contact with our service specialists at the machine. Quick fault diagnosis and repair saves time, costs, and gets your machine up and running again as quickly as possible.



For more information, please contact our service colleagues in Dornstetten, see contacts above.