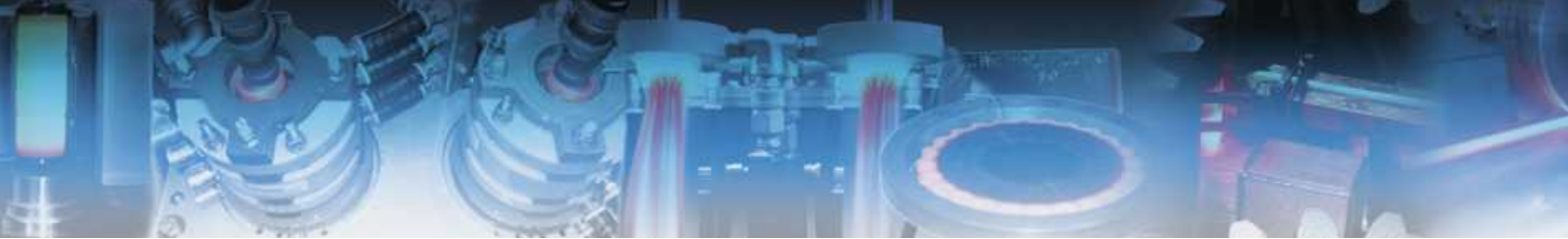




INDUCTOHEAT
EUROPE

An Inductotherm Group Company

The World Leader in Solid-State
Induction Heating Power Supplies



Induction Heating & Welding Power Supplies

Inductotherm Heating & Welding Technologies, a member of the Inductotherm Group of companies is truly the world leader when it comes to induction power supplies. Offering the most extensive range available worldwide, there is a power supply for every application.

Inductotherm was first to bring solid-state technology to the world of induction. Customer focused and application driven, Inductotherm engineers can draw from well proven SCR, IGBT and MOSFET technologies for each and every customer application, satisfying diverse requirements for power and frequency the world over.

With a clear desire to remain world leader for induction power supplies, IHWT continues to innovate and develop patented technology in order to enhance both the performance and efficiency of systems - without compromising a strong reputation for designed-in reliability.



IFP... The Revolution in the World of Induction!

IFP systems offer the user total flexibility. The ability to vary frequency at different power levels optimises the induction heating process.



Extensive range of induction power supplies:
50Hz - 1MHz / 2.5kW - 4000kW

Model	Semi.	Load	Freq. (kHz)	Power (kW)	Output (Volts)
EZ-VIP	SCR	Series	0.05 – 6	150 – 4000	600 - 3000
SP6	SCR	Series	0.5 - 6	150 – 4000	600 - 3000
TC	SCR	Parallel	0.25 – 10	100 – 3400	800 – 1200
SP5	SCR	Parallel	0.5 – 25	40 – 600	400 - 800
SP7	SCR	Parallel	1 – 3	250 – 1350	400 - 800
ViP-I-PWC	IGBT	Inductive	0.05 - 9.6	500	720
CHiP	IGBT	Parallel	0.05 – 10	500 – 4000	900
TF	IGBT	Series	3 – 75	40 – 2000	800 – 2000
UP16	IGBT	Series	3 – 50	50 – 1000	Transformer
SP18	IGBT	Parallel	3 – 50	100 – 600	800 - 1000
IFP	IGBT	Inductive	4 – 40	75 – 360	600
VersaPower Xtreme	IGBT	Parallel	20 – 60	5 – 50	500
Flexitune	IGBT	Parallel	20 – 60	5 – 30	25 – 75
SP16	IGBT	Series	3 – 50	50 – 2000	800 - 2000
CFI/CFC/CFD	MOSFET	Inductive/ Contact	.15 – 800	50 – 2000	Set by C's
Versapower	MOSFET	Parallel	35 – 400	3 – 100	500 - 1000
SP11 / LSS	MOSFET	Series	50 – 200	2.5 – 180	Set by C's
Statitron	MOSFET	Parallel	50 – 800	40 – 2000	Set by C's

For more information, call +49 (0) 7153 504-200,
 email: info@inductoheat.eu or visit www.inductoheat.eu



Heating, Melting

VIP® Induction Power Supply

The VIP® solid-state power supply is designed for forging, mass heating, annealing, extruding and many other induction heating applications. Power and frequency combinations from: 0.2 - 960 kHz / 150 - 4000 kW.

- EZ VIP: 0.2 - 6 kHz / 150 - 4000 kW
- VIP-I-PWC: 20 - 960 kHz / 500 kW

Features & Benefits:

- These units have an ACI (Automatic Current Interruptor) rectifier bridge, line choke and capacitor bank to minimize the effects of line noise and harmonic feedback.
- Other system features include an input line disconnect with UVR, differential pressure switch and temperature switches on water supply and return manifolds.



Heating, Harden

STATIPOWER® Induction Power Supply

The STATIPOWER® induction power supply family includes (7) distinct systems that cover a wide range of power and frequency: 0.5 - 200 kHz / 10 - 4000 kW.

- SP5 & 7: 0.5 - 25 kHz / 10 - 1350 kW
- SP6: 0.5 - 6 kHz / 150 - 4000 kW
- SP11 / LSS: 50 - 200 kHz / 30 - 180 kW
- SP16: 10 - 50 kHz / 50 - 2000 kW
- SP18: 3 - 50 kHz / 100 - 600 kW

Features & Benefits:

- Output power regulation is a $\pm 1\%$ with up to 10% line variance, the input power factor is 0.95, regardless of loading, and energy conversion efficiency exceeds 85%.

- Shrink Fitting
- Sintering
- Slab Heating
- Soldering
- Staking
- Stress Relieving



Heating, Harden

UNIPOWER® Induction Power Supply

The UNIPOWER® induction power supply offers unitised design for stand-alone operation. Power and frequency combinations from: 3 - 50 kHz / 25 - 1000 kW.

- UP16: 3 - 50 kHz / 50 - 1000 kW

Features & Benefits:

- The cabinets are designed to accommodate a variety of fixtures, conveyors and work piece coils.
- Heat time can be controlled from a simple foot switch, machine control relay or a complex system by the process line PLC.

Heating, Harden

STATITRON® & STATITRON® IFP™ Systems

The STATITRON® power supply provides PLC control, a thyristor SCR power controller, a low-ripple filter network that minimizes AC line harmonics to less than 1%, and a heavy-duty main power transformer.

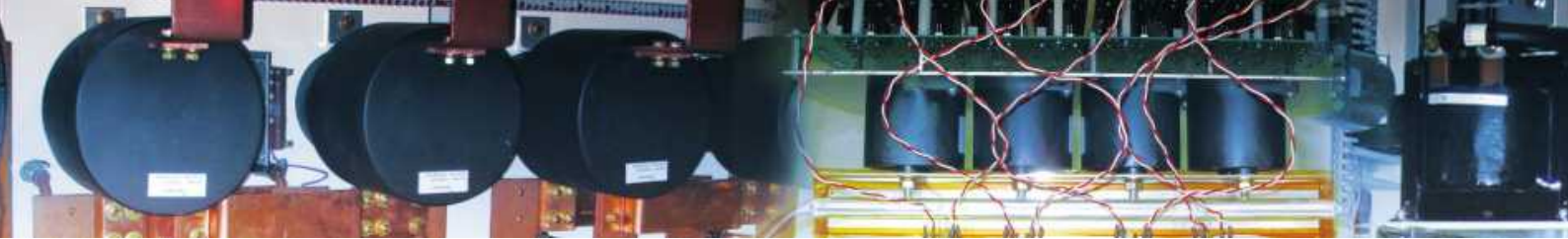
- STATITRON: 50 - 800 kHz / 40 - 2000 kW
- IFP: 5 - 40 kHz / 75 - 300 kW

- The Revolutionary STATIPOWER® IFP™ (Independent Frequency & Power) power supply is a revolutionary, IGBT-type power supply designed for hardening and tempering using one coil in one station.

- Frequency and power can be adjusted instantaneously when surface and penetration depth changes on any given load. Ideal frequency and power combinations maximise production rates.

- Strip Heating
- Tempering
- Thread Rolling
- Tube Heating
- Welding
- Wire Processing

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Heating, Harden

VersaPower Xtreme + Flexitune® Kompaktumrichter

Flexitune® and VersaPower Compact Induction Power Supply

Flexitune® and VersaPower supply units provide compact, highly flexible induction power solutions. Flexitune® units use IGBT power supply technology making it an ideal replacement for RF valve oscillators.

- Flexitune: 20 - 60 kHz / 5 - 30 kW
- VersaPower: 20 - 60 kHz / 5 - 30 kW

Features & Benefits:

- Portable induction heating power supply with digital intelligence allows for user-friendly control.
- Simple installation, set-up and operation.

Heating, Harden

T-Series Induction Power Supply

The T-Series transistorized induction power supply are designed with variable ratio output isolation transformers for load impedance matching for full power operation over a wide range of load conditions.

- TC: 0.5 - 10 kHz / 100 to 3400 kW
- TF: 1 - 30 kHz / 40 to 2000 kW

Features & Benefits:

- A wide variety of heating coils can be properly matched with built-in load tuning capacitors and multi-tap output isolation.
- Restart circuitry eliminates nuisance shutdowns caused by voltage transients, ground faults and shorted or arcing loads.

- Annealing
- Bonding
- Brazing
- Catheter Forming
- Coating
- Crystal Growing



Welding

CFI Induction & CFC Contact Power Supply

With ever increasing energy costs worldwide, many large diameter pipe producers are selecting Thermatool CFD Series Dual Welders which offer operation in both Induction and Contact modes.

- CFI / CFC / CFD: 0.15 - 800 kHz / 50 - 2000 kW

Features & Benefits:

- An optimised internal design provide easy access for maintenance and improved cooling during operation.
- Patented, selectable and continuous variable frequency during the heating process

• Curing • Drying • Forging • Forming • Hardening • Joining • Pipe Heating

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Inductotherm Group

Known by many brand names. Fused into one global force.



Inductotherm Group

Inductotherm Heating & Welding Technologies Ltd. is part of 40 companies making up the Inductotherm Group. As a multi-technology, global organisation, the Inductotherm Group serves the thermal processing industry by manufacturing a diverse range of products and services, all of which feature the characteristics of high quality, leading edge technology and top-flight engineering.

- Melting & refining systems
- Foundry automation
- Mass heating systems
- Forging, extrusion & forming
- Heating & heat treating systems
- Tube & pipe heating & welding equipment
- Vacuum & controlled atmosphere systems
- Engineering services for the metals industry
- Industry wide & worldwide service

Inductoheat Europe

Welcome to 6 decades of induction expertise!

We manufacture both standard and customized machines encompassing the whole range of components required for inductive heat treatment, such as energy supply systems, recooling systems, inductors and so on. We also run two commercial hardening shops (in Stuttgart and Darmstadt) where production series can be processed for our customers under contract.

- Plant manufacturing
- HF-/MF-Inverter
- Processdevelopment
- Heat Treat Shops
- Inductor-Express-Service
- Service
- Services around induction heat treatment

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