

STATITRON **IFP** powered

STATITRON IFP inverter 5 – 40 kHz / 75 – 360 kW

Stepless variation of output and frequency during inductive heating process.

A new dimension in induction!

- stepless frequency variation during the heating process
- revolutionary process control
- totally new application scope
- enhanced quality coupled with simplified process
- cost and time savings
- energy efficiency through higher precision
- maximum flexibility



The STATITRON IFP

is a revolutionary development in the HF/MF energy supply field for all kinds of inductive heating.

STATITRON IFP is the only inverter of its kind to permit **STEPLESS** variation of output **AND** frequency **DURING** the inductive heating process.

The STATITRON IFP is equipped with a microcontroller, a controlled 6-pulse rectifier bridge using state-of-the-art IGBT technology, and an output transformer.

A LOW-ripple DC filter reduces the harmonic content of the AC conductor to less than 1%.

Our range of services

- Induction plant engineering
- Sub-contract hardening shops
- Hardening accessories
- Inductor express
- HF/MF-inverter
- IFP-inverter
- Process development
- Technical support within 24 hours

5 – 40 kHz / 75 – 360 kW

Model	IFP 75 external transformer	IFP 120 external transformer	IFP 150 external transformer	IFP 240 external transformer	IFP 360 external transformer
Continuous output power	75 kW	120 kW	150 kW	240 kW	360 kW
Frequency	5-40 kHz	5-40 kHz	5-40 kHz	5-40 kHz	5-40 kHz
Power consumption at full load	95 kVA	155 kVA	190 kVA	310 kVA	465 kVA
Mains connection +/- 10% 50/60Hz	3 ~ 400V	3 ~ 400V	3 ~ 400V	3 ~ 400V	3 ~ 400V
Cooling water consumption without inverter	100 l/min.	120 l/min.	180 l/min.	240 l/min.	360 l/min.
Cable length generator	5 meter	5 meter	5 meter	5 meter	5 meter
Generator dimensions	L: 2000 mm W: 800 mm H: 2250 mm	L: 2000 mm W: 800 mm H: 2250 mm	L: 2000 mm W: 800 mm H: 2250 mm	L: 2000 mm W: 800 mm H: 2250 mm	L: 2000 mm W: 1600 mm H: 2250 mm
Generator weight	500 kg	500 kg	700 kg	700 kg	900 kg
Transformer dimensions	L: 500 mm W: 500 mm H: 1000 mm	L: 600 mm W: 600 mm H: 1000 mm	L: 600 mm W: 600 mm H: 1000 mm	L: 700 mm W: 700 mm H: 1000 mm	L: 700 mm W: 700 mm H: 1000 mm
Transformer weight	250 kg	300 kg	300 kg	400 kg	500 kg