

# S&K KONSTANTELOS

## Electromechanic Construction Company

- High Frequency Induction Heating Machines
- High Speed Nitrogen Hydraulic Presses
- New Generation Automations



## Induction Generators

Our company after years of development and construction experience on induction generators has available a new range of machinery covering a wide range of needs of its customers.

It is manufactured according to European standards, having as main purpose, the **performance**, the **reliability** and the **easy interchangeability** from anyone!

With the new chassis of high standards (German built) all the interior parts of the induction generator airtight from the workplace ensuring absolute cleanliness over the years.

Additional protective circuits and displays allow us even more carefree in mind during production.

Upgrades to the electronics circuits, new PCBs Hardware in power supply unit and output unit of high frequency Converter. The structure has changed completely, additional internal chassis «shield» the sensitive circuits increasing the tolerances of any outside interferences.

The heating rate increased, the upgrading on the mapping of high frequency output pulses gives us a shorter heating time over previous models of the same power category.

New philosophy in the structure of the machine. No need to worry about technical support for any damage that may occur.

The induction generator is divided and organized into independent sections - units according to the function that makes each one. Each unit is at separate Subrack which can slide in and out of the machine chassis Rack.

So whatever occurs very easily and tirelessly in just «5 minutes» you replace the old Subrack which has the failure to a new and constantly continue your production.





The two main Subracks includes the power supply unit with all peripherals protective electronics circuits which slides on top of the Rack and the high frequency output unit (Converter) with all peripherals protective electronics circuits which slides in the middle part of the Rack.

Our company has at availability ready for use Subracks and can send them instantly for the fast customer service.

Very easily visit and inspect any part of the machine by removing the side caps or opening the back cap simply just by turning a lever.

The cooling system is embedded inside of the machine in order not to commit exterior space, simplifying the external connections and the easily movement of the machine at the workplace. It contains two independent cooling circuits of highly refined water, one for cooling the IGBT power transistors and one for cooling the induction coil.

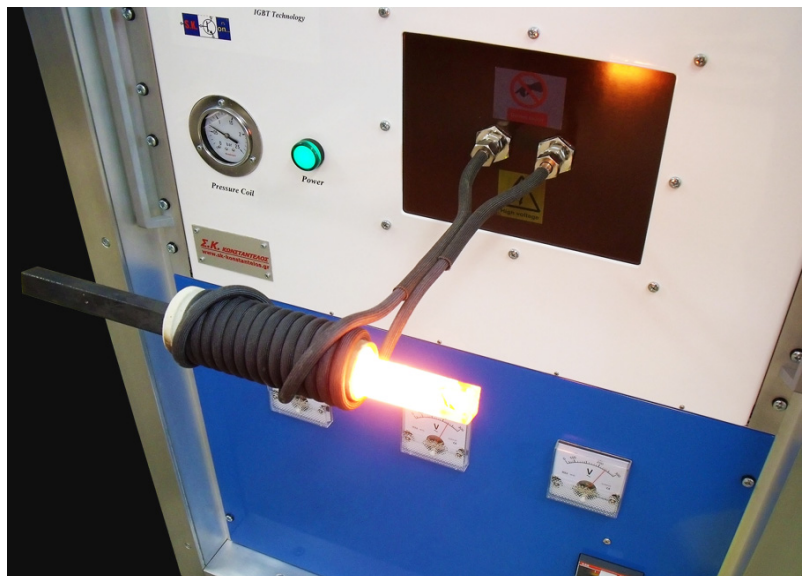
Each cooling circuit consists from a stainless steel heat exchanger of high efficiency, a stainless steel container for the filling of distilled water and the circulation pump. Protective electronics circuits and sensors ensure continuous cooling of the induction generator.

Wide range of induction coils according to the subject we want to heat or weld. Our company can supply you induction coils open type or closed type, for locally heating, superficially or uniformly throughout the mass of metal.

We can adjust the power and the heating rate depending on the case and the appropriate temperature of metal by connecting an optical pyrometer.

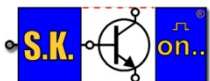
The energy loss is minimum ensuring the lowest power consumption from the grid. This is due mainly to the art of electronic circuits are used and the optimum adaptation of the inductive heating coils.

The induction generators consisting entirely by branded high quality materials mainly of German firms promises reliable operation in every customer requirement.



For more information and new updates please visit our website or contact us.

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Electromechanic Construction Company



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