

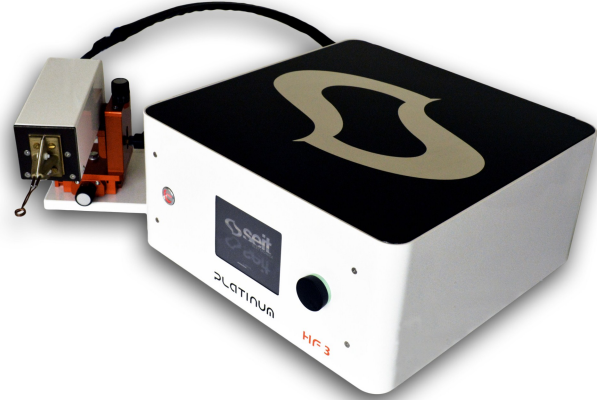


**PLATINUM**  
series

INDUCTION HEATING GENERATOR

# Platinum HF 6

PLATINUM HF (High Value Heating System) is an induction generator at high frequency, suitable for welding and heat treatment of parts of reduced size. Thanks to its versatility, is suitable both for a manual use, is to be placed inside an automatic process



**Advantages**

The technology of induction heating replaces the open flame and heat furnaces for brazing, hardening and other processes where it is required a reaching very high metal temperatures in order:

- fast
- safe
- simple
- repeatable
- flameless
- contactless
- reliable
- ecological
- high-performance
- high quality
- easily installed and adaptable in an automation line



**Cooling generator**

For the operation of the generator, necessary dedicated external chiller for cooling the liquid.

- Operating temperature: 25 ° C
- Pressure min / max: 4.6 bar
- Obligation use demineralized water with electrical conductivity not greater than 100 S / cm (microsiemens cm) and without the addition of any additive.













PLC screen during use

Technical features	Platinum HF 6
Maximum power input	6 kW
Reactive power	125 kvar
n° heads	1 head / 2 heads (alternate use)
Duty Cycle	50%
Field frequency	200-600 kHz
Solid state circuits	MOSFET
Regolazione potenza in uscita	From 10% to 100% with steps of 1%
Output power adjustment	230V-1ph-50/60 Hz
Cooling	liquid. Cooled elements: power unit, head and inductor
Generator size - WxHxD	440x210x440 mm
Weight generator	23 kg
Dimensions head - WxHxD	90x90x200 mm
Weight head	3 kg
Length of the connection with PU	1500 mm

**• Other features:**

- Full management through software:
  - temperature regulation
  - power adjustment
  - adjustment time
- Alarm display on the display
  - Insufficient water pressure
  - high temperature
  - Phase failure
  - generator block
  - Auxiliary supplies insufficient
  - Insufficient water flow
  - alarm inductor
- Display Touch-screen
- Saving over 1000 custom programs (heating profiles)
- Possibility of connecting a pyrometer (1 to 2) to verify the temperature reached or set the temperature to reach and maintain

Included in delivery: instruction manuals, certification for electro magnetic compatibility and CE certification

Complete generator		List	Code
<b>Induction generator mod. Platinum HF 6 one head</b> complete with power unit 6kW, 1 head (without support head plate), 2 supports inductor, 1 inductor personalized, 1 pedal ON / OFF and mt. 5 of capillary Ø1,9 mm for the construction of additional and any inducers.			
<b>Induction generator mod. Platinum HF 6 two heads</b> complete with power unit 6kW, 2 heads (without head plate holders), 4 supports inductor, 2 custom inductors, 2-pedal ON / OFF and mt. 5 of capillary Ø1,9 mm for the construction of additional and any inducers.			
Optionals		List	Code
<b>Support head plate micrometer Base</b> for when extra precision in X-Y-Z axes, and rotation			
<b>Support head plate micrometer Plus</b> basic model + pneumatically raise / lower compressed air. Racing: <ul style="list-style-type: none"> <li>• 50 mm</li> <li>• 75 mm</li> <li>• 100 mm</li> <li>• (other races to choose from)</li> </ul>			
<b>Single Head</b> complete with transformer, inductor, RF cable and circuit liquid cooling. (Without stand head plate) Length of the connection with PU: 1500 mm; 2000 mm and 2500 mm available on request			
<b>Dispenser wire brazing</b> mod. SAS mod. SADA mod. SADC			
<b>Pyrometer</b> complete player infrared temperature, laser aiming and support. Platinum LT reading range 135 ° - 550 ° C Platinum HT reading range 435 ° - 1500 ° C Platinum FT reading range 160° - 990° C			
<b>Custom inductor</b> to customer design			
<b>Inductor support</b> the basis for the construction of a new inductor			
<b>Copper tube</b> roll mt. 5 of copper capillary for the construction and customization of inductors. Available diameters: Ø1,5 mm; Ø1,9 mm; Ø3,0 mm			

a tutti i prezzi va aggiunta l'Iva