



915MHz - 5 TO 54 kW MW GENERATORS FOR CVD LAB GROWN DIAMONDS

Our latest generation of Microwave generators has been specially designed with the **Lab Grown Diamonds Industry in mind**. The digital architecture makes it a **modern and highly reliable product**, with smart power control.



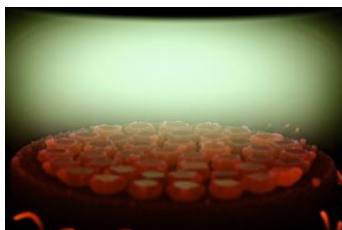
The solution is made of one cabinet for power supply and microwave generation. It can be adapted to most CVD reactors.

This equipment has been specially developed **to support weeks long running cycle** and deliver a **narrow spectrum**, necessary to manufacture the purest diamonds.

Multiple features, like de **Automatic Restart Feature (ARF)**, and **Preventive Alarm Management (PAM**, alarms without stopping the production) are implemented to allow you **to go to the end of your production batch**, even in case of micro power-cuts.

SAIREM's **optimized power supply** and magnetron performances helps you to reduce process interruption and costly yield losses.

Finally, SAIREM's comprehensive customer service help you to **maximize your production yield**, through support and advice.





915MHz - 5 TO 54 kW MW GENERATORS FOR CVD LAB GROWN DIAMONDS

KEY BENEFITS

COMPACT AND STURDY DESIGN

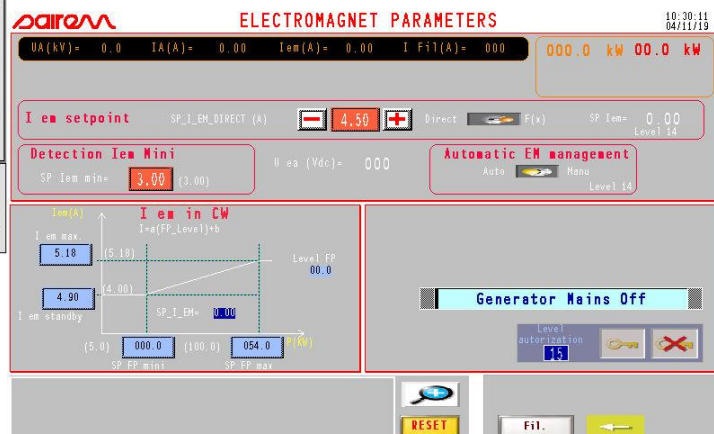
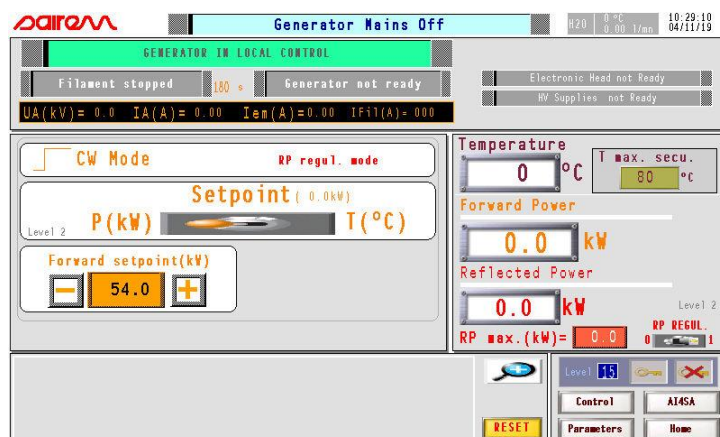
- All-in-one design: controls, power supply, microwave generator, isolator, in the same cabinet
- Stainless steel 304L, air-tight construction

BEST IN CLASS RELIABILITY

- **Automatic Restart Function (ARF)** in less than 5 ms, to avoid production stop or loss
- Expected Magnetron **lifespan above 15000 hours**, depending on operating conditions
- Arc detection included as standard in the microwave head
- **Preventive Alarm Management (PAM)** that allows the continuation of the production
- **Switch mode technology** to offer better protection from the electrical network interferences and distortions
- Software compatible with previous generation (no need to change control software)
- **Comprehensive customer service**
- IP54 protection for installation in dusty, wet, and warm environments

CONTROLS

- All operational parameters and faults are available on the color touch screen



To get the complete data sheet :

- full specifications
- technical drawings

CONTACT US !

