NitrEos

Compact furnace system for standardized processes and repeatibility of results.

NitrEos is an all-new compact and light weighted single furnace design. In order to create it, IonHeat reinvented a classic model.

We simplified our GlowTech system and refined it even further to introduce an off the shelve solution into the market without detriment of the exceptional ion nitriding technology that characterizes our products. Precision and simplicity best describe our NitrEos plants.

Technical Specifications

System Size	0610	0815	1220	1522
Useful diameter mm/in	600/24	800/31	1200/47	1500/59
Useful hight mm/in	1000/39	1500/59	2000/79	2200/87
Available semi tandem	NO	NO	NO	NO
Available full tandem	NO	NO	NO	NO
Number of heating zones	2	2	3	3
Standard number of plasma modules included	1	1	2	2
Total plasma generator power (kW)	40	40	80	120
Peak power for a single system (kW)	96	111	215	245
Peak power for a semi tandem system (kW)	N/A	N/A	N/A	N/A
Peak power for a full tandem system (kW)	N/A	N/A	N/A	N/A

Optional Features

1. **Extra Power supply**
   Extra power supplies are always good when the customer has a high surface area which needs a lot of plasma power. Up to 4 plasma power supplies can be factory or customer added in parallel to the ones that come as standard in the equipment.

2. **Extra Gases**
   Argon and Methane Mass Flow Controllers can be added as needed for processing of stainless steel and/or Ferritic nitrocarburizing. This feature is only available factory added.

3. **Post Oxidation**
   Our NitrEos system can be upgraded with standard post oxidation capabilities. The Post-Oxidation process provides a nice black corrosion protective finish to the nitrided parts.

4. **Top Camera-Viewport**
   As the GlowTech units, our NitrEos systems can be improved with a top viewport which includes a digital camera for monitoring the plasma process from the control software interface. Pictures can be captured to be added to customer reports. This feature can only be factory added.

Available configuration