

Choose your furnace

ION HEAT offers 3 different Plasma Nitriding Solutions:

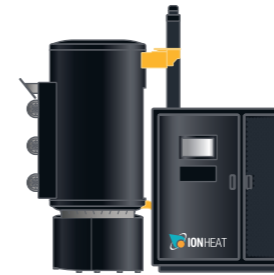


GlowTech

Modular system to assemble the furnace as your business requires.

Tailored to your needs

Tandem system allows the user to build up furnace capabilities step by step on the same equipment as production volumes require it.



NitrEos

Compact fit for standardized processes and repeatability of results.

Powerful utility System

Lightweight single furnace design simplifies the GlowTech system for standardized performance and recipe-tested.



GlowFit

Retrofit kit for modernizing old plasma nitriding furnaces.

A new heart for your furnace

Retrofitting model upgrades old units with new controls, gas panels, plasma power supplies and our unique control software.

CONFIGURABLE IN ALL ITS MAIN FUNCTIONS:

- Plasma Power Supplies**
 From 1 power supply with 40kW plasma power up to 4 units in parallel for a total of 160kW total plasma power the customer can choose or grow their system as needed.
- Gas Panel**
 Allows additional configuration settings for NADCAP compliance and extragases of argon and methane.
- Electrical Cabinet**
 Allows retrofitting both cold wall and hot wall systems. Custom configurations are possible.
- Control Software**
 Our unique control software is always included with our GlowFit unit.

System Size	0610	0815	1220	1522	0610	0815	1220	1522
Useful diameter mm/in	600/24	800/31	1200/47	1500/59	600/24	800/31	1200/47	1500/59
Useful height mm/in	1000/39	1500/59	2000/79	2200/87	1000/39	1500/59	2000/79	2200/87
Available semi tandem	YES	YES	YES	YES	NO	NO	NO	NO
Available full tandem	YES	YES	YES	YES	NO	NO	NO	NO
Number of Heating Zones	3	3	3	3	2	2	3	3
Standard number of power supplies included	1	1	2	3	1	1	2	2
Total plasma generators power (kW)	40	40	80	120	40	40	80	80
Peak power for a single system (kW)	95	110	205	300	85	110	210	240
Peak power for a semi tandem system (kW)	100	120	215	310	N.A.	N.A.	N.A.	N.A.
Peak power for a full tandem system	145	180	330	480	N.A.	N.A.	N.A.	N.A.



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