



Structured Materials Industries, Inc.

NanoV™ & NanoH™ Process Tools Now Capable of Induction Heating

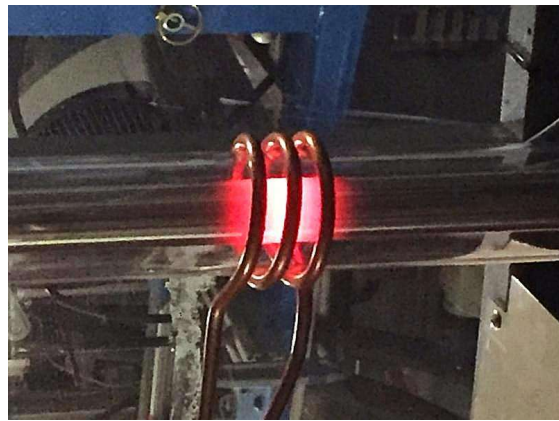
The Structure Materials Industries, Inc. ("SMI") R&D team has engineered a significant innovation in its NanoV™ and NanoH™ process tools. The tools will now have the option to feature induction heating, in addition to lamp and hot wall furnace heating. This upgrade enables higher temperatures. The Quartz Tube Reactors include those used with inert, reducing, or oxidizing atmospheres that are operated from below 1 Torr to as high as 1 atmosphere (at temperatures ranging below room temperature through to 1400°C) in single wall reactors or 2400°C in dual wall water cooled reactors.

Product Features From Upgrades

- Rapid heating through 1400°C and extendable up to 2400°C
- Multiple tube sizes available
- Horizontal or vertical configurations
- No more limitations from susceptor's material base
- Cost effective solutions to new materials development efforts
- Hardware is suitable for regrowth and annealing of materials



NanoV™ system shown in use to grow high resistance (undoped) and n-type doped Ga₂O₃ epi.



NanoH™ system shown in use to coat metals on the interior of metal tubes.

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