

Introducing Our New Coil Sintering Service

Alpha 1 Induction Service Center is proud to introduce our new coil sintering service. With the installation of this specially designed and built system we can now offer our customers ready to use coils. The normal process required the customer to ramp up production slowly, allowing the heated billets to provide the final curing of the coil refractory. By providing this service we can save our customers valuable production time, up to twelve (12) hours with the coils pictured below, after coil change overs. The system consists of a resistive heating wand, thermocouple sensor, water cooling manifold and a programmable temperature controller.

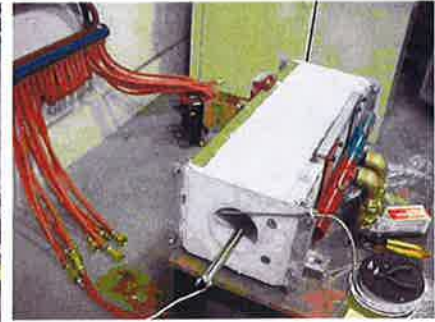
The temperature controller allows up to seven (7) different heat cycles up to a maximum temperature of 1400 degrees Fahrenheit. We can heat up to six (6) different coils simultaneously using a combination of ten (10) wands and four (4) temperature controllers.



Control Panel with Ten Wand Connections and Four Controllers



Coil Turns Remain Cool During the Process Preventing Damage due to Overheating



One Meter Coil in 12 Hour Curing Cycle

Alpha 1 Induction Service Center has over twenty years of experience in manufacturing and repairing induction load coils of all types. We specialize in coils for the forging industry. Alpha 1 has the knowledge and experience that you can trust to design, build and repair your coils. We use only the highest quality materials: OFHC copper tubing, insulated with the right dielectric coating for your application, cast in our special high strength formulation refractory material and our proprietary stellite rail coating process.

Ask us for a quote on improving your coils today!

For more information, call 614-253-8900 or visit us at www.alpha1induction.com

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