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Sir/Madam,

We are happy to inform you that Vacuum Hot Pressing furnace which was purchased from VB Ceramics during the academic year 2014 -15 is performing extremely well for sintering/ vacuum hot pressing of various Powder Metallurgy metals and alloys such as Aluminum alloys, Copper alloys and Stainless steel Nano composites.

The Powder Metallurgy stainless steel which was hot pressed at the temperature of 1150 °C with pressure of 60 MPa is having the similar characteristics of Spark Plasma Sintered stainless steel. With the help of this Vacuum Hot Press high temperature alloys, ceramics and nano composites can be hot pressed at high temperature with desired vacuum level. In our Metallurgical and Materials Engineering Laboratory at Vel-Tech University, we have sintered/ hot pressed more than 100 samples of various alloys.

I assure that this Vacuum Hot Press (VB Ceramics) will be a reliable equipment for sintering/ hot pressing of various types of high temperature alloys with low cost compared to other sintering furnaces such as Spark Plasma Sintering etc.,

R. Mariappan
5/4/16.
(Dr.R.MARIAPPAN)

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