

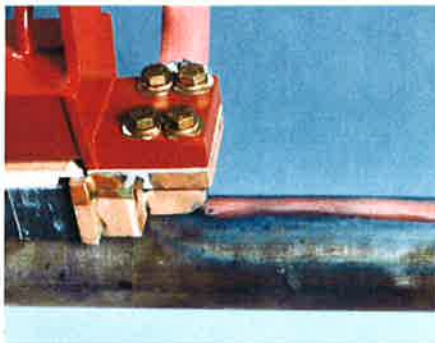
AlphaLam Punched Shape Flux Concentrators

Alpha 1 Induction Service Center provides a complete line on magnetic flux field concentrators. Moldable, machinable and punched shapes. AlphaLam flux concentrators are punched from steel with a thin layer of glass insulation on its surface for the shape needed. These shapes stacked onto the copper work coil and held in place with keepers and high temperature binder. AlphaLam flux concentrators provide the highest operating temperature rating and interlamular resistance possible in any type of flux concentrator.

What do flux concentrators do?



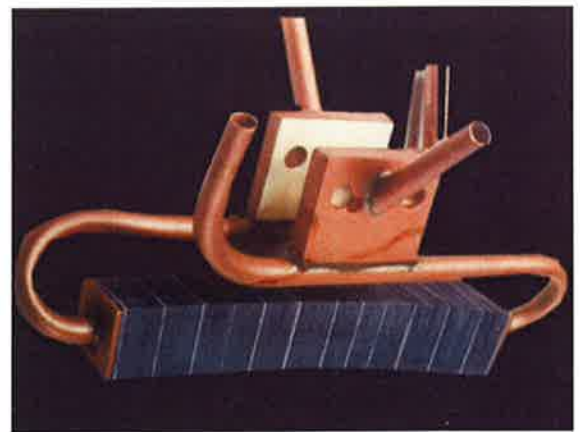
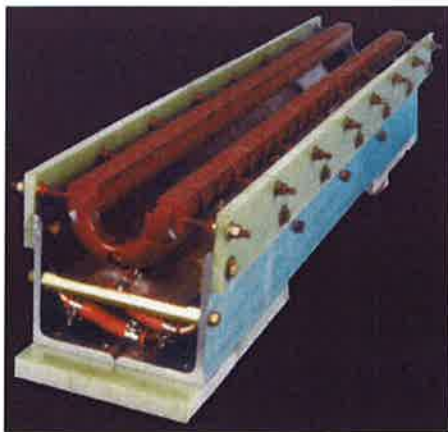
The induction heating process is a method of heating where a magnetic flux field is generated around an inductor. Wherever the part intersects the flux field heating will occur. The diagram at the left shows the field without and then with concentrator. By trapping and focusing the flux field we can intensify the energy supplied to the area to be heated.



What shapes are available?

Alpha 1 can manufacture almost any size and shape of AlphaLam flux concentrator. Ask for our standard shapes drawing or send us your RFQ with drawings and specifications.

AlphaLam flux concentrators are punched from 0.006" thick lamination steel and are used for frequencies from 1kHz to 10kHz at a maximum continuous operating temperature of 1300 degrees Fahrenheit.



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

©2006 Alpha1 Induction, All Rights Reserved, BULLETIN Concentrator03a

