

Product Change Notification

PRECISION POTENTIOMETERS

January 2012

New Varnish Application Process for Wirewound and Hybrid Elements

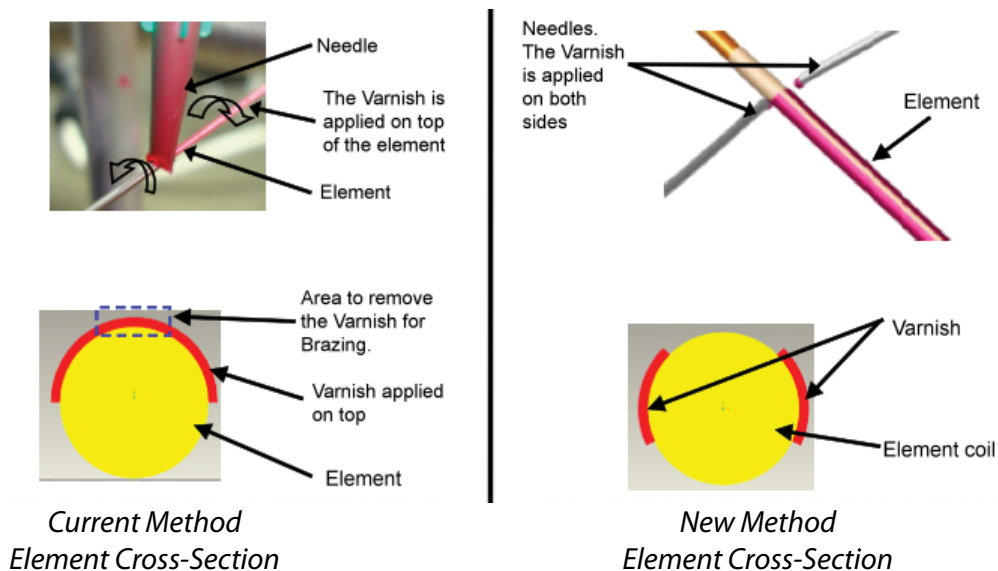
Background

Currently, varnish is applied on top of the element to hold the resistive wire in place on the mandrel. Later, this varnish is removed in the brazing area (only) with a sand blast process. This process requires special control in timing, pressure and flow to ensure that no damage is done to the element where the brazing is to occur. Finally, the element is washed with special chemicals to remove the residue from the blasting process.

Solution

A new method has been developed to apply varnish on both sides of the element, leaving the brazing area free of varnish. The new process does not require removal of varnish in the brazing area, thereby eliminating potential residue of media left by the blasting process.

The graphics below show the current and new processes side by side. The new procedure is a change of production process; however, product performance and reliability are unaffected.



All standard and custom wirewound and hybrid models listed will take advantage of the new varnish application process. The models included are [83](#), [84](#), [3400](#), [3435](#), [3500](#), [3501](#), [3540](#), [3541](#), [3543](#), [3545](#), [3547](#), [3548](#), [3549](#), [3590](#), [3610](#), [3700](#), [3701](#), [3750](#), and [3751](#).

The process will be phased in starting with March 1, 2012 shipments. Please contact your local [Bourns Representative](#) or [Bourns Customer Service](#) for further information.