

WHITE PAPER: Better Heaters Mean More Innovative Analytical Equipment Designs

By: - March 02, 2022

Summary

Advanced ceramic heaters offer a number of benefits when it comes to the design and marketing of analytical equipment. Many of the heaters used in today's analytical equipment are metal-sheathed heaters based on legacy technology designed some 20 or 30 years ago, potentially limiting design innovation. By contrast today's advanced ceramic heaters are smaller, respond faster, can be more accurately controlled and can be more resistant to environmental contamination. Watlow's ULTRAMIC advanced ceramic heaters in particular can help analytical equipment manufacturers improve product performance and design, as well as accelerate their time to market.

Download White Paper (/-/media/documents/white-papers/wp_better-heaters-mean-more-innovative-analytical-equipment-designs_ultramic_082019.ashx?la=en&hash=CAB69075531D8E74F526EC3334762EF0AA730B76)

The image shows a screenshot of a white paper document from Watlow. The document has a header with the Watlow logo and the tagline "Powered by Possibility". The main content is organized into sections with labels on the left side:

- industry:** analytical
- author:** andy selvy
- subject:** Better Heaters Mean More Innovative Analytical Equipment Designs
- summary:** Advanced ceramic heaters offer a number of benefits when it comes to the design and marketing of analytical equipment. Many of the heaters used in today's analytical equipment are metal-sheathed heaters based on legacy technology designed some 20 or 30 years ago, potentially limiting design innovation. By contrast, today's advanced ceramic heaters are smaller, respond faster, can be more accurately controlled and can be more resistant to environmental contamination. They also offer more design flexibility and are easier to integrate into equipment, simplifying the manufacturing and assembly process. Watlow's ULTRAMIC advanced ceramic heaters in particular can help analytical equipment manufacturers improve product performance and design, as well as accelerate their time to market.
- advanced heater technology:** Why Consider Advanced Ceramic Heaters? Legacy Heater Technology Can Limit Innovative Designs

The document also includes a sub-section titled "Why Consider Advanced Ceramic Heaters?" which discusses how legacy heater technology can limit innovative designs in analytical equipment like GC-MSs.