

Gene Plavnik, Ph.D; HTI – Heat Technologies Inc.; US-Atlanta / GA

CASE STUDIES OF HTI SPECTRA HE ULTRA DRYING SYSTEM IN WEB BASED APPLICATIONS AND MOLDED FIBER PRODUCTS

Heat Technologies Inc (“HTI”), is a US company based in Atlanta, GA, manufacturing custom-designed advanced heat and mass transfer technology systems on the basis of ultrasonic energy for a wide spectrum of industrial applications. The primary systems are sold under the Spectra Ultra HE™ brand. The company has earlier presented MKVS membership an introduction to the underlying principles of ultrasonic heat and mass transfer with generic examples of potential results across a portfolio of application fields.

Since that time, a number of web based industries and producers have installed systems for the drying of water and solvent based inks, coatings, adhesives. HTI also had several installations in the field of sustainable packaging and molded fiber products in particular. HTI will focus on all of these applications.

Participants will receive a brief overview of ultrasonic energy and gain an understanding of the basic points to review when considering the appropriateness of HTI systems. Participants will be guided on known ideal points of installation for the above mentioned applications to achieve line throughput and finished product quality advantages.