

Heat Management Methodology for Successful UV Processing on Heat Sensitive Substrates

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Abstract:

UV systems possess heat management controls that fine tune the exothermic and delivered heat in the UV curing process. This presentation will explore the various methodologies and controls that allow UV processors to cure UV adhesives, UV inks, and UV coatings when applied to heat sensitive substrates.

The presentation will illustrate the effects of the above stated heat management methods on the UV dosage (J/cm^2), peak UV intensity (mW/cm^2), average and maximum temperature rise (ATR & MTR). Review the capital equipment, operational and maintenance costs related to each heat management method.