

LCR Hallcrest Launches High Volume Roll Format Liquid Crystal Color Change Temperature Labels

Roll to Roll Labels for High Volume Automated Application

Glenview IL – June 11, 2018 - LCR Hallcrest is pleased to announce the addition of a web-based roll formatted label production line. Liquid Crystal (LC) labels, temperature indicators and graphics are typically screen printed on a sheet then cut to size. The company has designed, developed and established a high-volume reel to reel liquid crystal label manufacturing capability.

Microencapsulated liquid crystals are classically printed on a substrate with a covering film forming a sandwich, trapping the liquid crystals within the layers. Roll formatted liquid crystal, does not require a covering film and is dispensed as a dot from a micro pump on to a base layer then dried in place.



Features:

- High volume / low cost thermometers
- Appropriate for automated applications
 - Specimen & laboratory jars
 - Quality and process control
 - Consumer products
- Storage and handling convenience
- Customize as to size, temperature events, adhesive and release liner
- Temperature range -30 to 120°C
- LC Temperature Accuracy $\pm 1^{\circ}\text{F}$ / $.5^{\circ}\text{C}$



*“LCR Hallcrest produces over **100 Million** liquid crystal thermometers annually and is the global leader in microencapsulated liquid crystal products”* comments Rocky Sapienza V.P. of Operations *“and we see roll to roll label production as a demonstration of our continued commitment to furthering the availability of economical color change temperature indicators through the unique properties of liquid crystals”*

Call 847.998.8580 or Email: sales@hallcrest.com to further explore this exciting product

About LCR Hallcrest: The company is the leading international manufacturer of “SMART” color and chemical changing labels, thermometers, pigments and graphics that react to environmental and temperature fluctuations, providing visible evidence of change and measurement with in-house design, development and manufacturing capability.

Press Contact:
John Romano
LCR Hallcrest
john@hallcrest.com Ph. 847.998.8580

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