

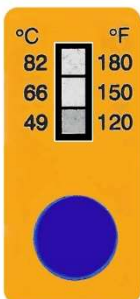
## New High Speed Digital/ Screen Integrated Printing Capability Targets Custom Temperature Indicators

### Smart Indicators for Special Applications

**Glenview, IL – November 14, 2016** – TMC Hallcrest (UK Partner) has developed and installed a multifaceted label printing process that combines the speed, flexibility and attention to detail of digital printing with the vibrancy of screen printing. Smart label solutions to temperature and other process variable concerns require indicating labels that monitor and help manage multiple constraints. These parameters can require proof of achieved temperature and/ or constant temperature verification. The combination of irreversible or reversible temperature indicators with Hydrochromic/ UV light Indicators and Readable codes on a single label allows for multivariate monitoring.

The inks and coatings used on the different types of indicators require diverse printing processes. In the past, a multi pass approach to combine technologies required one indicator to be applied to a label, then rewound and run through a second printing process with typically a third finishing step. This multistep approach does the job but lacks efficiency. What has been needed is a process that combines digital and screen printing in a single high speed label printing process.

TMC Hallcrest combines the various printing and finishing processes necessary for combining monitoring technologies into a single printing process. This capability allows for the ability to combine a temperature indicating graphic with a QR code in a single pass efficient printing process.



Irreversible temperature indicators combined with a hydrochromic indicating ink provide evidence that the label and surface it is attached to have been exposed to a combination of rated temperature and water, perfect for disinfection evidence.

*“We are excited about this new press”, comments Scott Szafraniec, LCR National Sales Manager, “as this new capability will allow us to maintain our leadership role in creating Smart Color Change Temperature Monitoring Label Solutions.”*

**Call 847.998.8580 or Email: [ideas@hallcrest.com](mailto:ideas@hallcrest.com) and let us show you what we can do!**

**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.

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