News Release

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**At Pack Expo, Yoran Imaging Introduces**

**Thermal Imaging-enabled System for Comprehensive**

**Induction Seal Inspection and Analysis**

***Company’s i-PAM induction seal process analytical monitoring system provides 100% inspection of induction sealed bottles, jars and vials while offering production process optimization and intuitive operation.***

*Northern District, Israel* – **Yoran Imaging**, whichdevelops and supplies thermal imaging systems to optimize filling and heat-sealing processes on packaging lines, introduced a system that provides comprehensive inspection and process analysis for induction sealed bottles, jars and vials at Pack Expo 2024. Capable of operating at full production speeds, the company’s **i-PAM** induction seal process analytical monitoring system performs 100%, non-intrusive through-the-cap thermal imaging inspection of all induction seals and provides thorough process insights to reveal the root causes of current or foreseeable adverse issues.

Induction sealed packaging is widely used throughout the pharmaceutical, food & beverage and cosmetics/beauty sectors to safeguard product integrity, extend shelf life and offer consumers visual anti-tampering evidence. Unfortunately, in many settings induction seal integrity is verified via manual product sampling, often resulting in oversights, inefficiencies and slowdowns.

Yoran Imaging’s new i-PAM system eliminates such pitfalls through high-speed, thermal imaging-powered inspection combined with real-time, digestible data informing immediate process adjustments. As the system continues inspecting each product, it also recognizes developing trends, indicating the need for interventional measures that prevent small issues from becoming larger, line-stopping ones.

Notably, Yoran Imaging is launching a North American subsidiary, Yoran Imaging USA, to expand its operations in this important market. The company is actively seeking major partners for its i-PAM system and its full range of thermal imaging-enabled technologies.

The i-PAM unit automatically reads and analyzes the inherent heat signature of a cap’s liner, providing valuable quality control data to the operator. This sophisticated approach reliably reveals a broad range of common induction seal issues, including under- and overheating, damaged lips, and bent, misaligned or missing foil. The unit is compatible with most bottle and cap sizes and types, and can be seamlessly integrated into nearly any packaging line.

In addition to seamless induction seal integrity inspection, the module can detect improperly or incompletely closed caps, an aspect especially valuable for products requiring child resistance elements. An intuitive graphic unit interface (GUI) mitigates operator error, further expediting the ROI realized by replacing slower, inexact sampling methods. All in all, the system brings the potential to reduce consumer complaints and substantially decrease the likelihood of recalls, as well as reduce waste, materials usage and labor needs.

Drawing upon more than two decades of experience in thermal imaging inspection, Yoran Imaging’s solutions provide non-invasive, 100% in-line inspection combined with data collection and analysis. This powerful combination allows for real-time visibility of line performance and precise optimization of the overall production process.

“Our new i-PAM induction seal process analytical monitoring system exemplifies Yoran Imaging’s broad range of solutions that help brand owners in various industries optimize their production processes and safeguard reputations,” said Yoav Weinstein, founder and CTO for Yoran Imaging. “Our thermal imaging inspection systems deliver enhanced peace of mind by replacing outdated, manual inspection procedures with highly automated and exceptionally precise data-driven technologies.”

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**About Yoran Imaging**

Yoran Imaging utilizes cutting-edge thermal imaging technology to revolutionize the filling & heat-sealing process on packaging lines. Drawing upon more than two decades of thermal imaging inspection experience, the company’s solutions provide non-invasive, 100% in-line inspection combined with production-optimizing data collection and analysis. This real-time sealing data allows for enhanced predictive maintenance, reduced labor investments and minimized materials and product waste.

Yoran Imaging’s groundbreaking Process Analytical Monitoring system replaces inadequate manual sampling with comprehensive product inspection, provides unprecedented levels of packaging line insight, and preempts production failures before they occur. The result is dramatically heightened brand protection, smarter manufacturing processes, and a more efficient packaging operations. For more information visit [www.Yoran-Imaging.com](http://www.Yoran-Imaging.com).