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PRESS RELEASE

KITOV.ai Unveils X-Prime: Advanced Surface Inspection System for High-End, Single-Material Parts with Complex Geometries

Next-generation automated inspection platform combines CAD/3D scan-to-robotic planning, AI surface defect detection, and a unified workspace for mission-critical industries

Hod Hasharon (Israel), 9 September 2026 – Singapore Exchange Mainboard and Tel Aviv Exchange listed Sarine Technologies Ltd (“**Sarine**” and along with its subsidiaries “**the Group**”) (**U77.SI; SARN.TA**), a worldwide leader in the development, marketing and sale of precision technology solutions for the evaluation, planning, processing, measurement, grading and trading of diamonds and gems, is pleased to report on the release of KITOVs latest advanced inspection system.

Taking manufacturers directly from 3D CAD models or 3D scans to complete inspection execution, the KITOV X-Prime system leverages KITOV’s proprietary CAD2SCAN engine alongside enhanced robot path planning optimized for intricate geometries. Powered by AI-driven surface detection technology, the system uncovers micro-defects, surface flaws, and material anomalies with unprecedented accuracy. Built with a forward-compatible architecture, KITOV X-Prime is also ready for integrating downstream metrology sensors.

Key Technical Highlights of the KITOV X-Prime System:

- **CAD or 3D Scan to Inspection:** Converts 3D models into optimized robotic inspection routines.
- **CAD2SCAN & Enhanced Path Planning:** Leverages automated 3D CAD-to-robotic trajectory planning to determine optimal camera and illumination viewpoints and multi-axis robot positions for comprehensive coverage of complex geometries.
- **AI-Powered Surface Detection:** Deploys deep-learning algorithms specifically tuned for high-sensitivity detection of subtle surface anomalies, scratches, dents, and flaws on single-material components.
- **Advanced Intuitive Workflow:** Consolidates Planner, Process, and Review modules into a single, intuitive workspace with a guided 7-stage workflow (Define ► Configure ► Plan ► Enroll ► Scan ► Review ► Analytics) that minimizes setup time and operator complexity.
- **Metrology-Ready Architecture:** Built on a modular architecture prepared for seamless

integration with specialized 3D measurement and metrology sensors alongside high-resolution optical vision.

- **Detailed Analytics & Digital Traceability:** Houses an embedded per-part record repository supporting defect trend analysis, production insights, and full digital traceability across every component.

"KITOV X-Prime represents a major step forward in automated surface inspection, bringing the sensitivity required for high-end optical inspection to single-material parts with complex geometries where traditional visual inspection falls short," said Dr. Yossi Rubner, Founder & CTO at KITOV.ai. "By unifying the entire operational lifecycle into an intuitive workspace and automating path planning and AI-based surface detection directly from CAD or 3D scan data, manufacturers in aerospace, defense, and medical can deploy high-precision quality coverage with dramatically reduced setup effort while ensuring total digital traceability."

The KITOV X-Prime System will be available commercially in Q4 2026 and will be showcased live at the IMTS show in Chicago, September 14–19, 2026

Note: As announced on 18 August 2025*, the Group acquired a 33.02% investment in Kitov.ai

* <https://links.sgx.com/1.0.0/corporate-announcements/D32HXEUE8AIIMNDM/fd0a05163f14b757c037633321dadbcc1382fe76520d41b66403e4cf23bcdd6>.

About Sarine Technologies

Established in 1988, Sarine Technologies Ltd. is a global leader in developing advanced technologies for modeling, analysis, evaluation, planning, processing, finishing, grading and trading of diamonds. In recent years, Sarine's business has pivoted to deriving mostly recurring revenues from its proprietary Gal3D inclusion and tension mapping (which processes the Galaxy® platforms' output) and Advisor® rough diamond planning cloud-based software packages, along with its other various pay-per-use services. At the heart of Sarine's ecosystem is the Advisor® software, which integrates internal inclusion scanning data and geometrical 3D analyses, to provide rough diamond planning and processing. Sarine's Most Valuable Plan™ (MVP) software, launched in 2024, builds on Advisor® 8.0's capabilities and to provide not only the most advanced but also predominantly automated planning for natural rough diamonds, delivering greater value and enhanced production efficiencies in terms of both time and cost. Sarine's broad array of services, based on data derived from its cutting-edge technologies, also includes Lab-Grown Diamond (LGD) planning, Journey™ provenance and traceability reports, GCAL diamond grading certificates and other retail-focused solutions like visualisation and fingerprinting. Sarine continues to develop and sell its world-renowned products, including the Galaxy® family of inclusion and tension mapping systems, rough diamond modelling platforms, laser-marking, inscription and fingerprinting equipment, automated (AI-derived) Clarity, Color, Cut and light performance grading systems and the AutoScan™ Plus for natural rough diamond source registration. For more information about Sarine and its products and services, visit <http://www.sarine.com>.



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