



## PRESS RELEASE

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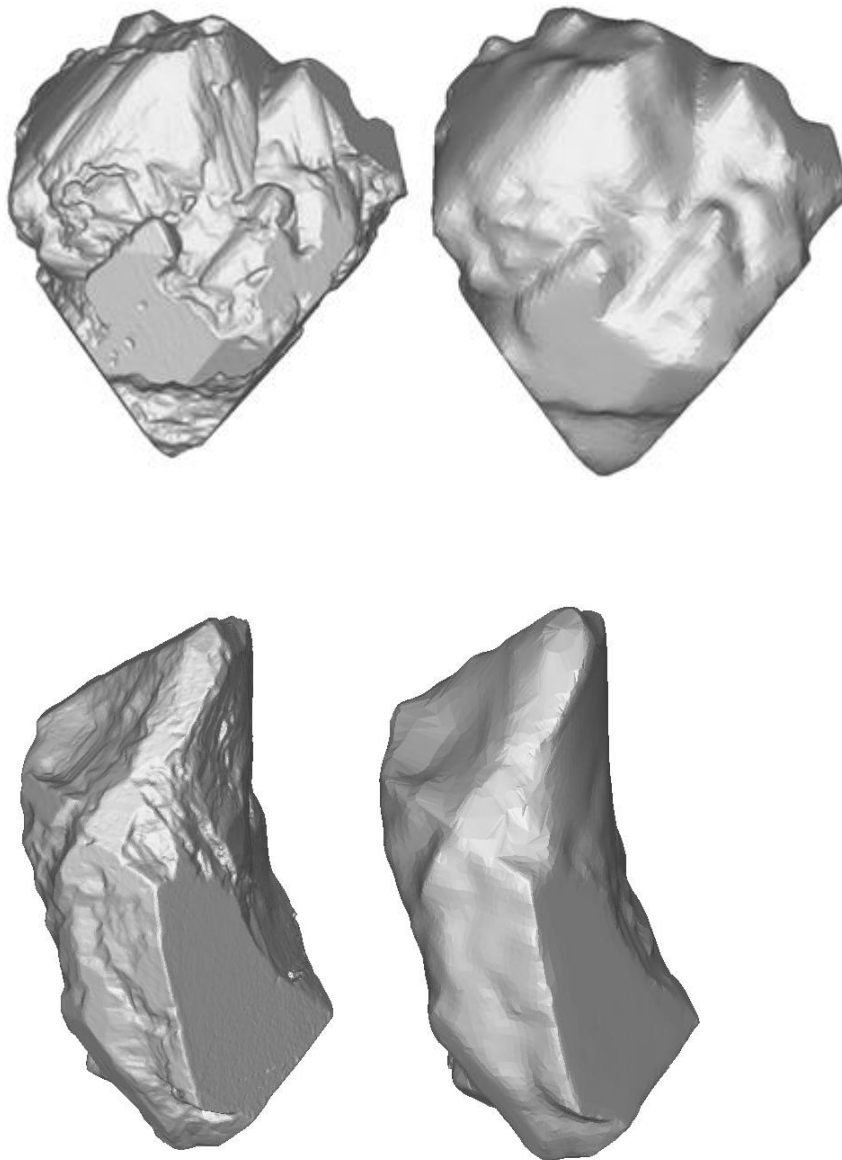
### **Sarine Announces New DiaExpert Edge™ Added-Value Upgrade for DiaExpert® Planning Systems**

**Hod Hasharon, Israel, 08 January 2018** – Singapore Exchange Mainboard-listed Sarine Technologies Ltd ("Sarine" (U77:SI) and together with its subsidiaries, "the Sarine Group"), worldwide leaders in the development, manufacture and sale of precision technology products for the evaluation, planning, processing, finishing, grading and trading of diamonds and gems, announced today that it is once again setting a new standard in rough diamond planning accuracy, efficiency and yield with its introduction of an added-value upgrade for existing or new DiaExpert® platforms – the DiaExpert Edge™.

The very first step necessary for a rough diamond's automated evaluation and planning is its accurate three-dimensional ("3D") modelling. As a rough diamond is not a smooth uniform object, but is rife with convex and concave surfaces, various technical solutions are applied to capture the stone's complex surface geometry, as accurately as possible. Until today, the primary technologies applied were silhouette illumination (for capturing convex features) and laser mapping (for capturing concave features). The limitations of these technologies' accuracy have always dictated the application of relatively large safety buffers during the planning process to prevent planning a stone, which would either be completely undoable in reality or leave even minute natural rough surface features on the polished stone (so called "naturals"), which significantly impair a polished stone's appearance and value. The current technologies' limitations also often dictate time-consuming manual intervention in the modelling (to increase the standard safety buffers in difficult areas), the necessity to re-model after primary cutting before actual polishing can commence, and may have other negative impacts on the accurate integration of the modelling and planning processes with the pre-requisite Galaxy® inclusion mapping or subsequent laser sawing and cutting processes.



The new DiaExpert Edge™, which can be retrofitted on the 10,000 odd existing platforms (realistic addressable market probably several thousand systems), and will be optional on new ones, at an expected ASP of around US\$ 6,000, uses advanced LED technology to achieve radically more accurate modelling, capturing even the most minute surface features and texture with incredible precision and clarity, as shown in the following two images:





This unprecedented accuracy will avail the use of markedly thinner planning margins, preclude the necessity for any manual intervention / correction of the 3D model and allow for much better integration with the Galaxy® and subsequent laser cutting process. The overall modelling, scanning and planning process will thus be faster and more efficient, more completely automated, preclude errors or "naturals" and increase the yield and beauty of the polished stone (e.g., on rare rough crystal stones, the new accuracy will allow using the rough stone material more completely, including its natural apexes). In short, yet again, improved efficiencies and yield with reduced risk.

David Block, Chief Executive Officer of Sarine Group, said, "Sarine is once again redefining the state-of-the-art of rough diamond planning with its launch of the new DiaExpert Edge™ upgrade kit for existing or new DiaExpert® systems. We are proud to continue to be at the forefront of introducing technical enhancements to the diamond industry, which improve profitability, as well as product quality and value."

**About Sarine:**

Established in 1988, Sarine Technologies Ltd. is a worldwide leader in the development and manufacturing of advanced evaluation, planning, processing, and finishing systems for diamond and gemstone production. Sarine products include the Galaxy® family of inclusion mapping systems, rough diamond planning optimisation systems, laser cutting and shaping systems, laser-marking and inscription machines and polished diamond Clarity, Color, Cut and light performance grading tools and visualisation systems. Sarine systems have become standard tools in every modern manufacturing plant, properly equipped gemology lab and diamond appraisal business, and are essential aids for diamond polishers, dealers and retailers. For more information about Sarine and its products and services, visit <http://www.sarine.com>.

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