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SSEF launches PearlScan®: Unique and easy-to-use system to count, document and measure single and multi-strand pearl necklaces



PearlScan® system (left) and user interface (right) for documenting and measuring single and multi-strand pearl necklaces. Photo: SSEF

BASEL, SWITZERLAND: MARCH 21, 2017 - The Swiss Gemmological Institute SSEF is introducing to the market a new system for scanning both single and multi-strand pearl necklaces. Called PearlScan®, it is able to count large quantities of pearls on strands, and measure their dimensions. Consisting of an A4 scanner, computer and proprietary software, the system offers the pearl industry a new and efficient way of documenting pearl necklaces.

Developed in collaboration with CSEM (Swiss Center for Electronics and Microtechnology) and supported by a prestigious CTI grant from Switzerland's Commission for Technology and Innovation, PearlScan® provides its users with effective and easy solution for counting and measuring large quantities of pearls on strands in relatively short periods of time.

The PearlScan® software incorporates a complex algorithm that enables the detection of different strands, and a count of the pearls while measuring the diameter of each one and distinguishing them from other elements (such as knots, diamonds and other decorative

items). It also calculates a roundness factor for every pearl, and measures the length of each strand. Semi-automated, the system welcomes user intervention to optimise and review output. In terms of documentation it produces images and a detailed reports of the number and diameter of each pearl on the different strands.

PearlScan® was developed to pursue SSEF's mission of developing niche technology for the trade and supporting the pearl industry. "We have found that PearlScan® greatly supports analytical and documentation procedures in our own laboratory at SSEF. We are glad to be able to offer now this new and easy-to-use solution to the trade and pearl industry," stated Dr. Michael S. Krzemnicki, director of SSEF.

PearlScan® is sold through SSEF's subsidiary SATT Gems SA. The new system will be unveiled and presented during the BaselWorld jewellery show March 25-27, 2017.

To arrange a demonstration of the PearlScan® please contact SSEF. For more information also visit www.sattgems.com

The **Swiss Gemmological Institute**, which is part of the Swiss Foundation for the Research of Gemstones (SSEF: Schweizerische Stiftung für Edelstein-Forschung), was founded by trade organisations in 1974 and works independently on a scientific basis. It is structured as a foundation under the aegis of Switzerland's Federal Department of Home Affairs. The function of its laboratory is to analyse precious stones and issue test reports for diamonds, coloured stones and pearls. Members of SSEF Laboratory are also engaged in research and education, in connection with leading universities or with other gemmological laboratories.