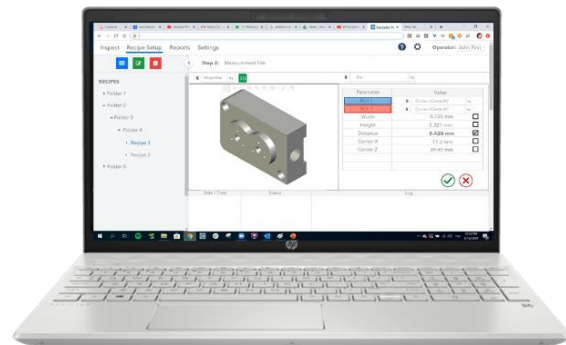
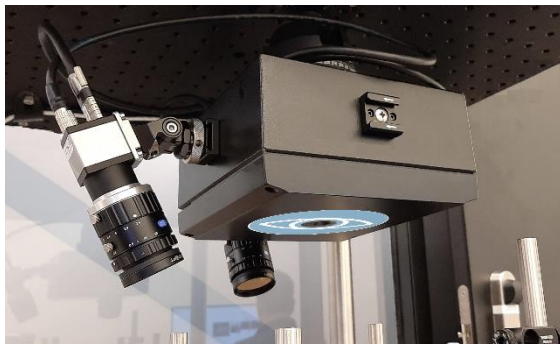


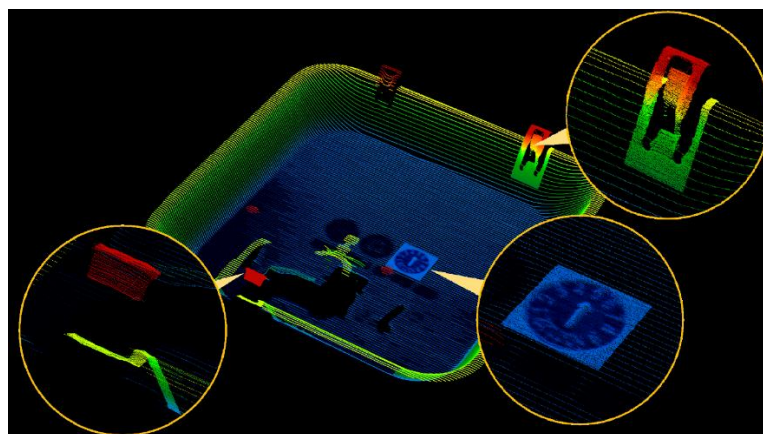
Saccade-MD – The World’s First Multi-Directional Scanning Profiler

Saccade Vision, an Israel based start-up venture, has developed an innovative three-dimensional machine vision solution for industrial dimensional inspection and vision guided robotics applications.



Saccade Vision solution: a unique smart hybrid 3D camera and flexible and autonomous software

Employing proprietary, patent-pending technology, Saccade simulates the way human vision works, by ‘zooming’ into important information on the measured part and by disregarding the non-useful information. This unique approach allows the Saccade sensor to perform highly precise and fast three-dimensional measurements and inspection by focusing only on critical locations and increases machine vision robustness on various materials and in different lighting conditions.



Example: Scanning the whole field-of-view with low density and refinement done locally for important features with 20x higher local resolution.

The Saccade machine vision solution provides coordinate measuring machine (CMM) levels of precision, resolution, and robustness at a rate of hundreds of measurements per second,

making it ideal for the inline process control. The solution can be installed and programmed by a non machine vision expert using an automatic conversion of a digital model of the inspected part (CAD drawing) directly into the machine vision solution. Based on digital mode analysis, Saccade Vision engine generates an optimal 3D acquisition method, light pattern(s), scanning density for each fine measured feature individually. The engine also ignores locations on the measured samples that are not among the features of interest. This autonomous approach improves the quality of acquired data and aids the cutting of application development times from weeks to just hours.

Saccade Vision secured initial financing at the beginning of 2020 and is now starting to work with manufacturers and automation integrators to commence pilot projects in Q2-2021 using its innovation game-changing measurement technology.

For more information please contact info@saccadevision.com or visit our website at www.saccadevision.com.