

## **FARO's new laser scanner Focus<sup>3D</sup>**

**The lightest and most compact 3D scanner ever produced, FARO leads the field with the new Focus<sup>3D</sup>**



Launched by FARO Technologies UK Ltd on 5<sup>th</sup> October 2010, the new FARO Laser Scanner Focus<sup>3D</sup> is a revolutionary, high-performance 3D laser scanner for detailed measurement and documentation. FARO is the world's leading provider of portable measurement and imaging solutions and is represented in South Africa by Gauteng-based iQlaser Sales.

According to Bob Metcalfe, director of iQlaser Sales, the new laser scanner's intuitive touch screen control makes it as easy to operate as a digital camera. "Four times lighter and five times smaller than its predecessor model, the Focus<sup>3D</sup> is the smallest and lightest laser scanner ever built."

The Focus<sup>3D</sup> is entirely self-contained meaning no additional devices, cables or laptop is needed. With its dimensions of 24 x 20 x 10cm and weight of just 5kg, the Focus<sup>3D</sup> is so compact and mobile that users are able to carry it with them wherever they go.

"With all the improvements and features of the new Focus<sup>3D</sup>, FARO has upped the game and eclipsed anything currently on offer in the marketplace," says Metcalfe. The company has reduced the package size by 50% and instead of pricing the new product in accordance with the state-of-the-art technology used its design and development, FARO has dropped the price by half that of any

current laser scanning systems. Still waiting for firm pricing on the new unit, he estimates that its price tag will be in the region of R400 000.

Focus<sup>3D</sup> uses laser technology to produce incredibly detailed three-dimensional images of complex environments and geometries in just minutes. The resulting image is an assembly of millions of 3D measurement points in colour which provides an exact digital reproduction of existing conditions.

The new FARO Laser Scanner Focus<sup>3D</sup> is suitable for documentation of large environments, quality control of components and reverse engineering. Thanks to its millimetre-accuracy and its 976 000 measurement points per second, the Focus<sup>3D</sup> offers the most efficient and precise method for the measurement and 3D documentation of building construction, excavation volumes, façade and structural deformations, crime scenes, accident sites, product geometry, factories, process plants and much more.

Deploying an integrated colour camera with automatic and parallax free colour overlay for photo-realistic 3D scans, its integrated lithium-ion high-performance battery provides up to five hours of battery life and can be charged during operation. What's more, all scans are stored on an SD card enabling easy and secure data transfer to a computer.

The FARO Focus<sup>3D</sup> is compatible with many common software applications. The flexible interfaces of SCENE, the scan processing software included with the Focus<sup>3D</sup>, enable connection to AutoCAD as well as many other CAD applications including Rhino, Microstation, Geomagic and Polyworks among others.

“With the revolutionary Focus<sup>3D</sup>, FARO provides architects, civil engineers and plant designers with an efficient tool for rapid, seamless and precise documentation of the current status of buildings, plants and construction sites of every kind,” says Jay Freeland, FARO's Chief Executive Officer. “It offers advanced functionality through a simple user interface and expands the user base beyond the expert, moving phase shift laser scanning across the technology chasm.”

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