Metrology Equipment and Software with Hexagon Metrology

Nowadays, when fully control of the manufacturing processes, enhancing the quality of products and increasing the efficiency in manufacturing are becoming crucial, Hexagon Metrology offers a comprehensive range of products and services for all industrial metrology applications. Due to Hexagon Metrology people can apply its products in such fields of industry as automotive, aerospace, energy and medical. You can use its scanner for both tactic and non-contact 3D measurement. The ROMER Absolute can acquire speed up to 50000 points per second. It gives the users the opportunity to measure objects faster than before, while achieving the same high data quality that ROMER user have come to expect, even on difficult to scan surfaces like high-gloss carbon-fibre. This means that users can now scan up to 66% more surface area for the same amount of time as with previous versions of this scanner. Nowadays this scanner is more rapid compared to previous versions.

Hexagon Metrology is also launching wireless scanning options for the ROMER Absolute Arm with integrated laser scanner. The new wireless Scanning Pack includes a dual hot swappable ‘battery system’. The users can install it in just a few minutes. This new Wireless Scanning Pack allows any arm with integrated scanner to be operated completely wirelessly, and at the same data transmission speed as with a traditional cable. The Wireless Scanning Pack is offered as an accessory and is compatible with all new and existing ROMER Absolute Arms with integrated laser scanner. This scanner is available from September 2012.

The manufacturer gives the costumers the full information about the life cycle of its products. Hexagon Metrology has more than 20 production facilities, 70 precision centers for service, network of 100 distribution partners on five continents. The whole range of the products can be found in the Internet.

The industry achieved better quality through automation process. One of the most important ways of manufacturing is robot. It helps make a robotic control over the aerospace industry. Due to demonstration of metrology robotic machines the users can compare them with a more traditional machining approach and to see all the advantages and disadvantages of each approach.

A Coordinate Measuring Machine (CMM) is a quality control device used by manufacturing companies to measure the physical geometric characteristics of an object in three dimensions, to accuracies up to one-millionth of a meter. A CMM can use various methods to collect data including touch, laser and camera sensors.

So Hexagon Metrology is a leading global provider of design, measurement and visualization technologies that enable customers to design, measure and position objects, and process and present data.