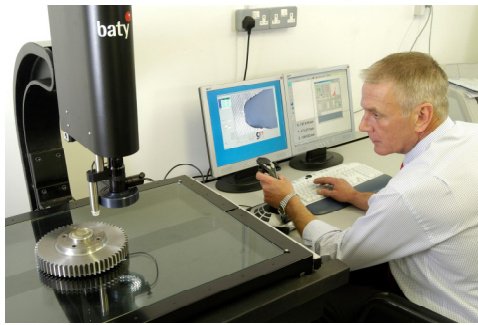




Address: Rolwey House
School Close
Chandlers Ford
Eastleigh
Hants
SO53 4BY
UK (United Kingdom)

Email : bdsales@rolwey.com
Phone : 023 80258966
Fax : 023 80258989



Latest vision-based measuring technology for Blue Diamond helps maintain quality control !!!

Blue Diamond, the Southampton-based engineering company, has invested in the latest inspection and measurement technology so it can quickly and accurately inspect and measure engineering components. Customers have the peace of mind that the components they buy are 'fit for purpose' and this helps to maintain quality control on volume production.

The multi-sensor, co-ordinate vision system supplied by Baty International will measure complex engineering components in many different materials. By comparing the measurements obtained from the component with the dimensions and tolerances on the engineering drawing, the software produces a detailed report showing any dimensions that are outside the dimensional tolerances.

The documentation produced is used to confirm to the customer that the components being supplied meet the intended specifications and all the data is archived allowing the specifications of individual batches to be traced.

Paul Brain, Engineering Director at Blue Diamond said, “We supply components in a range of sizes and materials and needed a machine that could give us the flexibility and adaptability to measure cast parts, machined components and plastic mouldings. The machine supplied by Baty is based on a camera vision system, and fits our needs perfectly. It will measure very small components or bigger parts up to 600mm x 400mm in a range of materials.”

The Baty system features dual monitors – one to display the live image and the other to show the engineering drawing of the component. The powerful software with edge detection tools recognises all types of geometric features such as threads and radii, making it quick and easy for the operator to complete the inspection routine. The machine is very easy to set up and use requiring just a few hours on-site training.

A further benefit for Blue Diamond is that the Baty vision measuring system can be used to create 2D engineering drawings by simply scanning an existing component. This is particularly useful if the part has been re-engineered, the drawings have been lost or damaged, or drawings are not available in electronic format.

Blue Diamond specialises in solving all types of customer problems. Using the latest computer software packages, special components can be designed and engineered to provide the most cost effective and aesthetically pleasing solution. Where volume production is required, Blue Diamond can source a wide range of moulded, machined and cast components from established low cost base suppliers.