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EQUATOR 300

EQUATOR™
the versatile gauge™

EQUATOR™

The new Renishaw Equator™ is a versatile alternative to custom gauging, offering inspection of an unprecedented variety of manufactured parts.

Installation of an Equator is possible in minutes, and re-configuration of the gauging system to cater for part design changes or to measure new parts is now possible in a fraction of the time taken with conventional custom gauging.

Quantity equals quality

The thousands of points collected during 3D scanning with the industry standard SP25 probe results in better metrology and enables effective form measurement. Every data point can be used for comparative measurement – one Equator can perform the same function of thousands of DTIs, LVDTs or handheld instruments.

Outstanding results in any climate

The Equator's innovative gauging technology is based on the traditional comparison of production parts to a reference master part. Re-mastering is as swift as measuring a production part and immediately compensates for any thermal effects, returning data that could have been collected in the temperature controlled quality room.



...a world of applications



Plug and play

The compact Equator gauging system is out of the box, up and running, in less than 20 minutes. The gauge weighs just 25kg, requires single phase power and no costly compressed air supply.

The intuitive operator front-end software requires little or no training and the optimised ratio of working envelope to machine footprint means Equator can be set to work in even the most crowded of factory spaces.

Cost-effective

With the flexibility to be used on multiple tasks, the purchase of an Equator gauge will see a fast return on investment.

Replacing manual measurement with an automated Equator gauging system can greatly increase throughput and reduce scrap rates, at a fraction of the cost of an equivalent custom gauging system, including associated fixturing.

With the Equator, your quality function can become as versatile as the machine.



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Better process feed-back and control

Process monitoring in the workshop environment is made easy with the rugged Equator gauging system. With its small size and ease of installation, the Equator is effortlessly incorporated into automated lines and production cells.

Data from Equator can be used to update offsets repeatably and reliably, compensating for the effects of tool wear and thermal drift. When combined with robotic part handling, Equator supports fully automated in-line process control.

