

Geolnspec

CYLINDRICAL FORM MEASUREMENT MACHINES

Large volume form measurement to optimise your inspection process

GeoInspec capabilities deliver new levels of accuracy, flexibility and performance over a wide range of calibration and inspection applications.

High Precision Air Bearing

GeoInspec utilises very high accuracy air lubricated hydrostatic bearing rotary tables up to a diameter of 500mm.

Centring and Levelling Stages

Software guided centring and levelling platens with a maximum load carrying capacity of 300kgs.

IntelliProbe Corrects For Extreme Setup Errors

Software algorithms address profile distortion due to part misalignment, "intelligent probing" corrects for part off-centring errors of up to 2% of the part radius with negligible error.

Distribute Results Easily

Inspection Templates and Inspection Data Files are easily distributed via email for analysis using the free downloadable viewer or via PDF generated reports and CSV files.

Unlimited Number of Surfaces

2 surfaces can be measured simultaneously. The total number of surfaces that can be measured is unlimited.

Shop Floor Compatible

Specifically designed for shop floor use and employs B89.3.1 Standard Profile Filtering to remove all background interference.

Probe Types

GeoInspec can be supplied with probes to best suit your application and can include LVDT, Half Bridge, Laser, Wireless Laser and Capacitance.

Sub-Micron Performance

Offers extremely high levels of accuracy boasting sub-micron measurements and repeatability.

Reduces Inspection Time by up to 90%

GeoInspec's ability to measure 1000 data points on 2 surfaces simultaneously per revolution will significantly reduce your process times compared with other available methods.













Geolnspec's features have been designed to help you get the job done.

Fast and Simple

The simple and intuitive full-featured Windows software enables any operator to quickly and easily inspect any complicated parts.

Programming Can Be Done Off-Line, On The Fly, Or Both

Inspection templates can be generated at the machine using AccuScan™, independently on any PC anywhere in the world using AccuScan IFE™ or a combination of both.

Out-Of-Tolerance Flagging

Out-Of-Tolerance Flagging quickly identifies to the operator non-conforming parts.

Integrated Help

Clicking the Help button located in the top right hand corner of any screen gives the operator instant access to the comprehensive user's instruction.

Internal Probe Calibration

Probe calibration is accomplished using the Probe Calibration Wizard, which is accessed via the Tools menu. The calibration is a multistep process, and instructions are displayed at each step.

Rigid Column Units

Column Units provide a rigid platform on which to mount the measuring probes and can be manoeuvred by counter-balance arms and locked at any position via a mechanical clamping system.

Results Are Recalculated Dynamically

Raw inspection data is collected and stored so datum's, surface definitions and measurement units can be changed at any time with results being recalculated dynamically.

Complete Your Inspection Process in 3 Easy Steps

Step 1

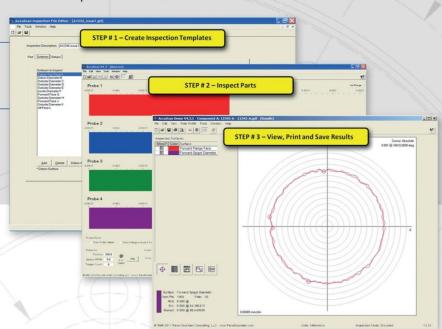
• Select an Inspection Template and assign colour-coded probes to surfaces.

Step 2

· Start inspection

Step 3

 View results, Print Report or Save As PDF file, Save results in Geometry Data File



Technical Information

			Geolnspec	Geolnspec	Geolnspec
Technical Data	QD	Units	300	400	500
Maximum Component Diameter		mm	300	400	500
Maximum Component Height		mm	500		
Load Capacity		kgs	100	200	300
Centring Range		mm	+/-3		
Levelling Range		degrees	+/-1 Geometrical Performance		
	QD	Units			
Radial Runout of Table Axis	12-10	mm	0.0001		
Axial Runout of Table Axis	12-11	mm	0.0001		
Composite Axial and Radial Runout	12-35		0.0001 x (0.0024/meter)		

"You can know a company by the companies it keeps"













Lufthansa Technik



Interested to know more about the ground-breaking GeoInspec range of inspection systems?

Call: +44 (0)1225 426206

Email: sales@rpiuk.com

Visit: www.rpiuk.com

Measurement systems designed, developed and manufactured by

Rotary Precision Instruments UK Ltd

For further information please visit: www.rpiuk.com



Öchsner Messtechnik GmbH

Schulzengasse 17 97291 Thüngersheim

Tel. +49 9364 817605-0 Fax +49 9364 817605-26

info@oemt.de • www.oemt.de

präzise • zuverlässig • individuell •

Authorised Distributor