Vortex Group 3D SCANNING

When accuracy meets portability

Vortex Group has the latest in 3D scanning technology. This technology gives Vortex the ability to quickly and accurately gather all of the required measurements and information to compare, inspect, reverse engineer any item.

Whether your need is corrosion or erosion life assessments in pipes, tanks turbine parts. Surface area reduction evaluation, Wear on mechanical parts reverse engineering or simply the need to make something Fit.

Vortex has the technology to make this easy, accurate, fast and efficient. Scanned information can readily be converted into file types that are able to be used in Solidworks, Inventor and all other major 3D modelling software.

Call or Email us for a quick budget quotation for your project or just to discuss how we can help.

Contact us



1285 Fenton Street Rotorua 3010 New Zealand

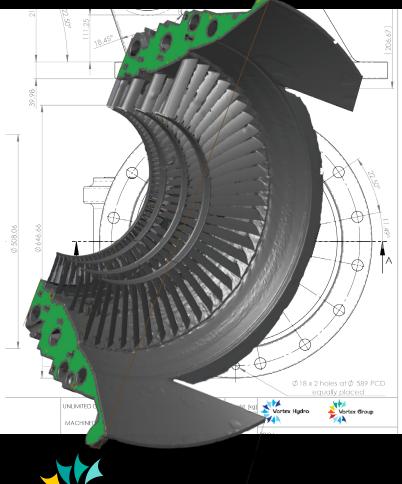
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Vortex Group 3D SCANNING

Fully portable and manoueverable, hand held device delivering metrological grade measurements from the smallest bolt to a complete 20MW turbine.



Vortex Group

Uses and applications for the Vortex Group 3D Scanner

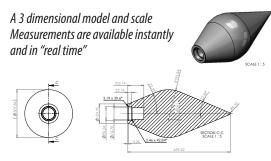
The Fastest and most cost effective path from physical objects to design workflow

- Simple IO minute set up
- Fully portable, able to move around structures
- 60 frames per second camera or 480000 measurements
- Metrology grade accuracy of up to 0.030mm
- Ready to use files in real time and upon scan completion
- Coupled with solid works 3D modelling software
- Output in VX model, Mesh, Step file, 3D model or 2D CAD drawings Depending on Customer requirements.



Vortex Engineering





Whether you require full 2 dimensional CAD drawings, an accurate ITR assessment for repair and maintenance or reverse engineering, Not only does Vortex's 3D scanning eliminate the requirement for tedious measuring it will also reduce costs by drastically reducing time taken on site. Large machinery and equipment can be modelled on site.

Eliminating human error and removing assumptions during measurements.

• Reverse engineering

- Onsite Inspections
- Maintenance repair and overhaul
- Corrosion and erosion
- Pumps and impellors
- Accurate measurement of large diameters
- Conformation of achieved sizes
- Turbine runners, shafts blades
- Accurate measurements of Complex shapes, immovable parts
- Dimensional inspection
- Replicating design areas
- Replicating parts for design
- Removes assumptions from measurements
- Quickly and effectively identifies alignment issues
- Life assessments
- As found ITR
- 3D model produces 2 dimensional CAD drawings

Vortex Forgings

Vortex Hydro



