

Brochure

Precision Wrinkle Analysis with Real-Time instant Visual Feedback



WHAT IS IT?

waveCHECK is a handheld-portable 3D-inspection tool for wind turbine blade manufacturing and quality inspection. The user-centric design allows for quick deployment in existing workflows. Non-contact precision optical measurement that revolutionizes blade inspection.



LEADING EDGE SCANNING WITH waveCHECK



RESULTS ARE PROJECTED DIRECTLY ON TO THE BLADE

WHAT CAN IT DETECT?

Detects & displays -

- Positive, Negative & Step wrinkles
- Highest point; shortest distance to edge, aspect ratio ($H/2*W$)
- Angle of wrinkle with respect to main fiber direction (0° -direction)
- Works on carbon and glass fiber surfaces, painted and unpainted.

SPECIFICATION & PERFORMANCE?

Actionable Results ~ 2 seconds

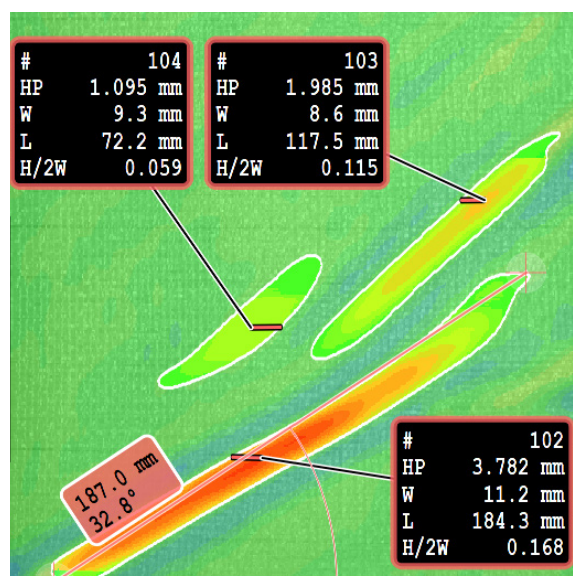
Resolution 250 μm lateral, <100 μm out of plane

Battery Life 4.5 hours

Weight 4 kg

Field of View 18 x 32 cm (scalable)

- Industry-leading Repeatability & Accuracy
- No Subjectivity – Take out the Guess Work!
- Sets the Benchmark for Gage R&R Scores
- Quality & Consistency unattainable by Traditional Methods (e.g. Comb Gauge)
- Enjoy the Simplicity of a Camera & the Accuracy of a Scientific Instrument



EXTRACT OF A WRINKLE INSPECTION REPORT