

# Digital Wind Blade Surface Inspection with 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.



Scan of Leading Edge



Results are projected directly onto the blade

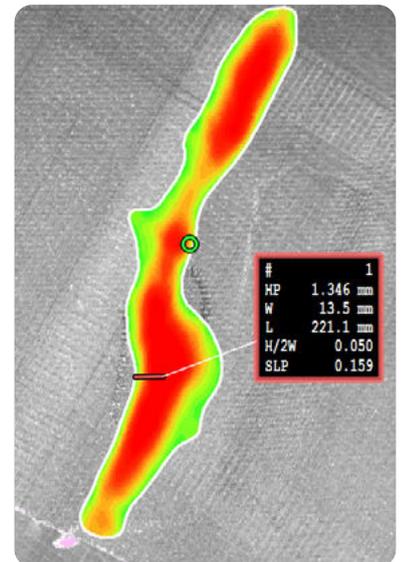
## WHAT CAN IT MEASURE?

- Composite Waves and Wrinkles
- Steps, height offsets and chamfers
- Leading edge aerodynamic contour check
- Paint and Coating Flaws
- Any other surface damage reflected in the surface topology/topography

## SPECIFICATION & PERFORMANCE

- ✓ Actionable Results ~ 2 seconds
- ✓ Resolution 250  $\mu\text{m}$  lateral, <100  $\mu\text{m}$  out of plane
- ✓ Battery Life 4.5 hours
- ✓ Weight 3,4 kg
- ✓ Field of View 180 x 320 mm (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



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