

# DWFritz ZeroTouch™

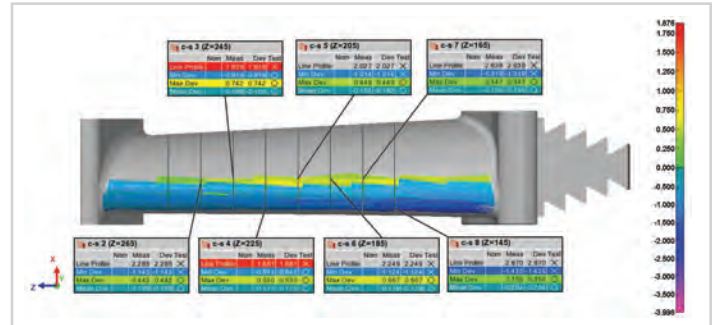
## NON-CONTACT MULTIPURPOSE METROLOGY PLATFORM

**A precise, high speed metrology and inspection system for processing complex geometries in just a fraction of time versus a traditional CMM**

The DWFritz ZeroTouch™ is a robust, shop floor-ready, non-contact metrology platform that captures millions of data points per second in just one scan, up to 10X faster than a traditional CMM.



**Measurement Profile of Turbine Blade**



### KEY BENEFITS

- One system captures simultaneous multiple measurements in a fraction of time versus a traditional CMM
- Easy creation of part measurement plans requires no programming, saving time in setup of different parts
- Measurement of surface finish as well as color and gloss
- Micron-level precision non-contact metrology with high repeatability
- In situ calibration improves repeatability
- Fast identification of production defects, enabling adjustment of upstream processes to reduce waste
- Ease of part placement reduces setup time per part
- Highly configurable and optimized for each manufacturer's specific application

### KEY FEATURES

- Captures precision point cloud data to construct complex 3D profiles
- Full PolyWorks™ advanced analytics integration
- GD&T measurements, including complex geometries such as chamfers, knife edges, undercuts and bores
- Configurable metrology sensor bridge, including:
  - Laser and confocal sensors
  - High resolution cameras with multispectral lighting
  - Automatic part registration
  - Optional barcode scanning automatically loads inspection part plan from MES

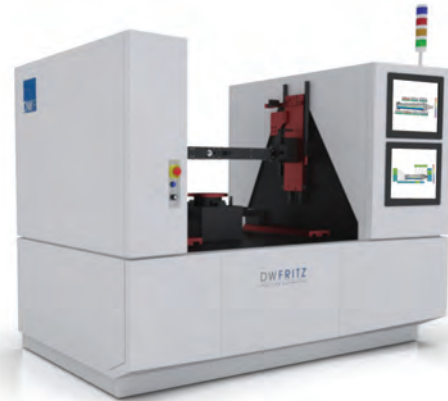
# DWF

# DWFritz ZeroTouch™

PART INSPECTION UP TO 10X FASTER THAN TRADITIONAL CMMS

## SPECIFICATIONS

Work volume	300 x 300 x 300 mm (L x W x H)
Inspection speed	Typical cycle time < 3 minutes
Payload	0-10 kg
System dimensions	Main machine: 240 x 185 x 240 cm (W x D x H)
System weight	Main machine: 4082 kg (9000 lbs)
System controllers	High performance industrial PC operator station with touch screen and secondary display screen
Options	<ul style="list-style-type: none"><li>- Barcode reader</li><li>- Micro environmental temperature control (<math>\pm 0.5^{\circ}\text{C}</math>)</li><li>- Part soaking</li><li>- ISO Class 3 clean air system</li></ul>



Automotive

## KEY INDUSTRIES



Medical Devices



Aerospace

**DWFRITZ**<sup>®</sup>  
M E T R O L O G Y

9600 SW Boeckman Road, Wilsonville, OR 97070

Toll Free: 800-763-4161

Tel: +1-503-598-9393

Fax: +1-503-624-2799

Email: [info@dwfritz.com](mailto:info@dwfritz.com)

[DWFritz.com](http://DWFritz.com)

DWFritz Metrology is a leading, global provider of high precision metrology solutions for advanced manufacturing. The company develops, designs, builds and supports engineered-to-order automation systems, specializing in high speed complex inspections to enhance product quality.