



VERTEX AFM

The World's First Infinite Sample AFM

The world's first Infinite Sample AFM. Enabled by ICSPi's AFM-on-a-chip technology, the Vertex AFM enables non-destructive nanoscale metrology of ultra-large samples. The Vertex AFM is the first AFM that transforms to fit the sample you need to measure, removing the need for invasive sample extraction procedures.

With integrated wireless connectivity and all-day battery life, the Vertex AFM is able to be flexibly deployed wherever 3D nanoscale data is required, whether it be an aircraft wing, oil pipeline or nuclear reactor, all without leaving a scratch. The small size and weight of the Vertex AFM, along with its exceptional intrinsic vibration immunity enables it to be used wherever it is needed - in the field, production line or laboratory.

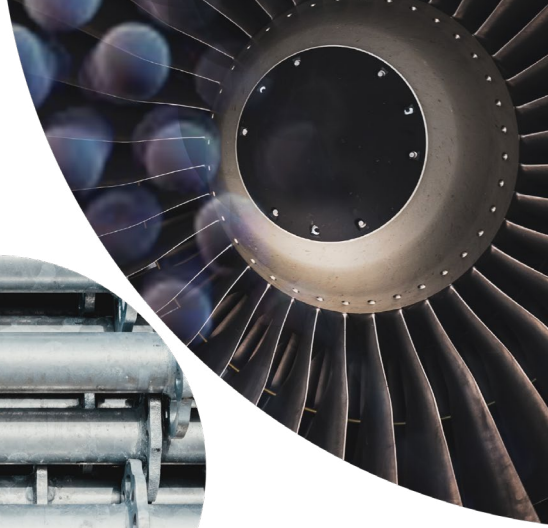
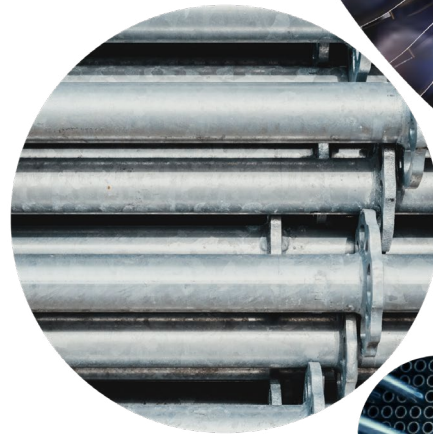
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Vertex AFM—The World’s First Infinite Sample AFM

- Infinite sample size
- Wireless
- Portable
- Battery operated
- Field applications
- Remote operation
- Online process control
- Nanoscale resolution 3D metrology
- Fast scans - 80 sec
- Non-destructive
- Mounting orientation (vertical, horizontal)



Specifications

Dimensions	20 x 15 x 10 cm
Operation mode	Tapping
Images	Topography, Phase
X-Y-Z Scan Range	20 x 20 x 10 μm
Resolution	< 0.5 nm
Scan Speed	80 sec
Max resolution	1024 x 1024 pixels
Wireless Connectivity	WIFI 802.11n, Bluetooth 5
Battery	12,000 mWh
Charger Power Supply	110-240 VAC
Software	Windows 10, 11