



Designed to measure aspherical lenses & molds, freeform optics, mirrors and any other precision component requiring nanometer level accuracy

Ultrahigh accurate 3-D profilometer (UA3P)

The Panasonic UA3P profilometer series is designed to measure aspherical lenses & molds, freeform optics, mirrors and any other precision component requiring nanometer level accuracy ranging up to 600mm x 600mm (Measurement area 500x500mm). Different machine models are available to meet your optical & high aspect ratio metrology needs. The various UA3P models all offer users the accuracy of AFM technology with the measurement range of a CMM. Our unique approach is based on our Panasonic Atomic Force Probe technology (AFP) by usage of a stylus and HeNe laser-based interferometric XYZ axis positioning. Coupling this technology with a solid granite-base we provide to our customers a world-leading metrology system on a nanometer level as a unique metrology tool.

Key Features

Ultra-accurate measurement with highest stability

Automatic NC program generation

Extensive library of optional software

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<https://ap.connect.panasonic.com/sg/en/products/smart-factory/ultrahigh-accurate-3-d-profilometer-ua3p>