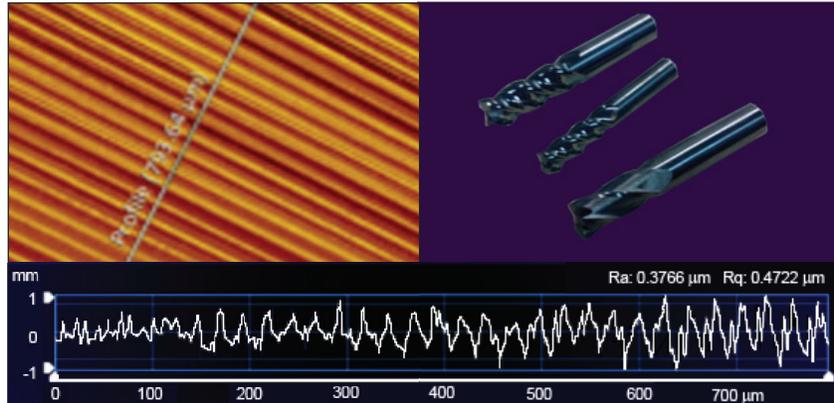


Cutting tool metrology

Modern manufacturing methods require the use of high-speed, multi-geometry cutting tools for quick and efficient material removal to produce all types of parts.

Cutting tools can require cutting edge honing, flute roughness inspection, and inspection for edge fracturing. Common vision systems have the

ability to perform some of these tasks to a level of resolution, but not to encompass both form and surface texture measurements. Coherence Scanning Interferometry (CSI) techniques are not allowing the tool makers and users unprecedented access to the quantification of their parameters.



Easy to use

With the adaptability of the ZeGage™ optical profiler, any user can place a cutting tool on the stage, press a single button, and capture the area of interest.

Highly repeatable

To monitor a process that has the ability to repeatedly measure parts, even after reprocessing, is critical for production, to cut down on scrap, and increase the cutting tool's lifespan.

ISO compliance

Mx™ software is fully ISO 4287/4288 (2D profile) and ISO 25178 (3D area) compliant, with easy-to-understand on-screen tools and controls.

Measuring form and surface texture with confidence

Coherence Scanning Interferometry (CSI) produces the highest level of vertical resolution, independent of the interferometric objective used. This means for any objective, measuring slope, surface roughness, or form, a ZYGO instrument will provide better than 0.1 nm vertical resolution, without external vibration isolation.

Will a ZYGO profiler help you? With over 50 years of metrology experience, Zygo Corporation continues to strengthen our reputation of being one of the world's premier suppliers of noncontact optical metrology. Call your local representative for a sample measurement and explanation of features that will best suit your requirements.



Data subject to change without notice.

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