



NANO BENDER is the ultimate tool to convert any optical microscope into a 3D high resolution optical profilometer

- User friendly system design converts an existing microscope into 3D optical profilometer in 5 minutes
- Upgrade your microscope to autofocus and 3D imaging capabilities
- All 3D/2D surface roughness parameters are measured and shown in 3D surface plot

Software

- Measurement of 2D/3D roughness parameters: 2D (R_p , R_v , R_z , RS_m , R_c , R_t , R_a , R_q , $R_{\Delta q}$, R_{sk}), 3D (S_p , S_v , S_z , S_a , S_q , S_{sk} , S_{ku}) and 3D surface (color map, texture map, allfocus) images
- Fully digital microscopy with digital autofocus - 2D/3D all-focus images with advanced image processing technology
- Real time measurement on the live image in different modes: Line, geometric, depth, volume, area, 3D profiling, and freehand measurements. No secondary software is required for postprocessing.
- 3D surface mapping with paper quality graphics output options and direct STL transfer of the CAD and 3D printing
- 1000 points along Z coordinate memory to analyze the sample at different regions and automated position change
- Self-operation with fully automated programmability for time lapse experiments to acquire 2D/3D images with fast autofocus

Hardware

- Manual knob control unit: resolution 6400/rotation, USB 2.0 (3.0 enabled), power (12V 50/60Hz)
- P-CAMn camera (2mp and 5mp scientific camera options)

Warranty and Support

- 1 year unlimited hardware warranty with replacement option
- Service packages available up to 7 years with standart update option
- Turnkey solution with software installed PC , on-site training and online customer support
- International high profile clients using PSARON systems for science, engineering and industrial applications