

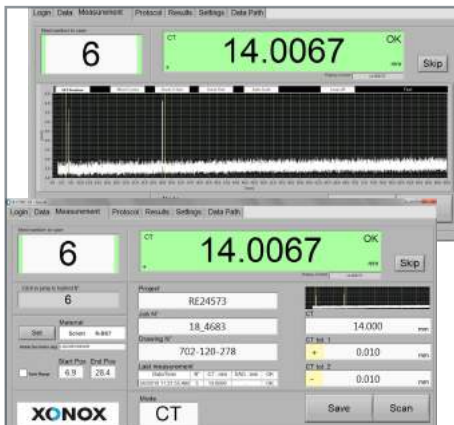
CT 200 NC



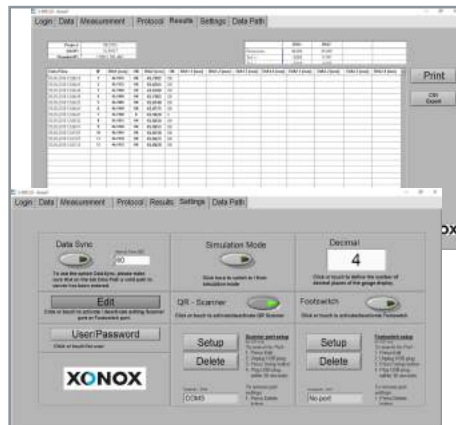
NON-CONTACT CENTER THICKNESS MEASURING SYSTEM

- _ highly precise and easy to use non-contact system for measuring the thickness of optical elements in both, production and quality inspection environments
- _ integrated interferometric sensor for fast, reliable and high precision thickness measurement
- _ measurement of single elements and doublets
- _ lenses automatically centered with an innovative precision 3-jaw chuck system
- _ measurements of elements with one side access only is accommodated
- _ ideal for testing lenses - even stuck on holders - with demanding CT tolerances in the polishing operation
- _ ergonomically positioned lens holder provides for safe, easy and fast loading and setup of workpieces
- _ conveniently located touch screen allows for simple and quick operation
- _ large measurement range from micro-optics up to Ø200mm
- _ extensive integrated glass database provides ready access to index data
- _ supported connectivity to CT200 allows for automatic analysis of unknown index values
- _ equipped with feature rich software and controller package, "X-ctNC" and touchscreen interface

SOFTWARE + CONTROLLER PACKAGE X-ctNC

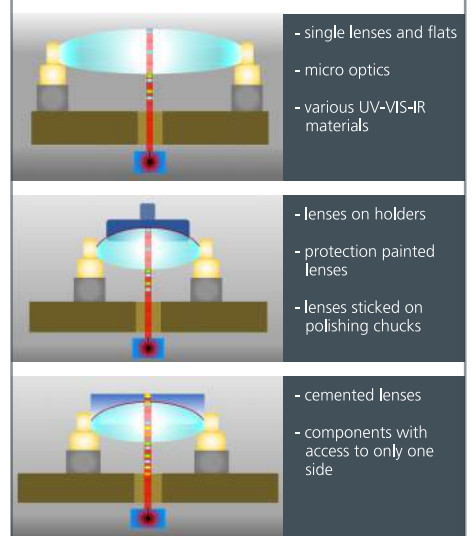


- easy, touch optimized user interface with QR code setup
- automatic numbering of lenses, IN/OUT of spec colors
- full glass database for index settings
- live display of measuring signal - zoomable by finger tip



- automatic part numbering and result documentation
- automatic marking IN/OUT of spec for all dimensions
- intelligent and easy to use auxiliary and network settings
- extensive data export functions + X-metroLINK compatible

Non Contact Measurement of:



- single lenses and flats
- micro optics
- various UV-VIS-IR materials
- lenses on holders
- protection painted lenses
- lenses stuck on polishing chucks
- cemented lenses
- components with access to only one side

WORKING RANGE	85mm max. optical thickness, max. part thickness depending on material index
DIAMETER RANGE	from micro optics sizes up to Ø200 mm
MEASURING SYSTEM	Optical low coherence interferometer with precision incremental encoder
MEASURING ACCURACY	Resolution: 0.0001 mm / Accuracy: $\leq 0.0005\text{mm}$ (depending on lens centration) / Repeatability: better 1μ
DIMENSIONS (WxDxH) / WEIGHT	530 x 490 x 540 mm (plus touch screen height on top of instrument) / approx. 25kg
CONNECTIONS	110-240 V / 50-60 Hz
COLOR	Light grey RAL 7035