CT 300



CENTER THICKNESS MEASUREMENT SYSTEM

_ equipped with electronic control of measuring cycle via touch screen interface

_ software controlled editing and configuration of automated motion cycles, linked to the specific job (X-ct package required)

_ highly precise and robust center thickness measurement system for ground, polished and coated optics in both, prodution and quality inspection environments

_ designed for long term reliability and cost effective operation

_ measurement of SAG depth, surface aperture diameter, total lens height and stock removal are supported in addition to CT measurement

_ lenses automatically centered with an innovative precision 3-jaw chuck system

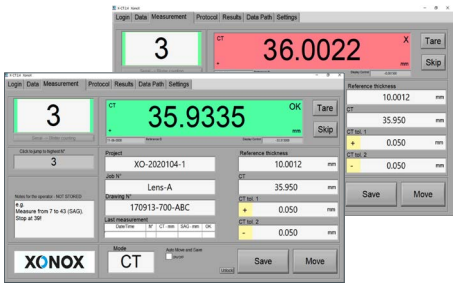
_ direct measurement of CT achieved through automatic, pneumatic actuation of probes that touch the upper and lower sides of the workpiece simultaniously

_ easy, fast and safe setup and loading of workpieces

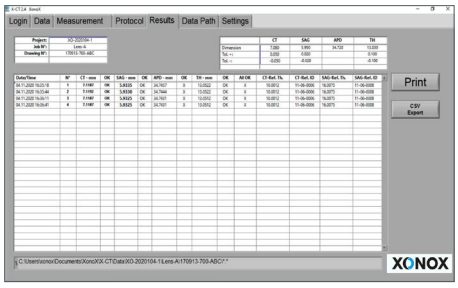
_ proven by many independent parties to virtually eliminate the risk of damage to even the most sensitive polished and coated optics with strict cosmetic requirements

_ large measurement range from below Ø10mm up to Ø300mm

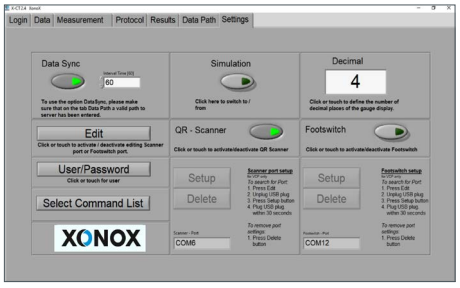
_ foot switch for easy and efficient measurement of series



_ easy and touch screen optimized dialogue user interface
_ automatic counting / numbering of lenses
_ green (in spec) or red (out of spec) display of measurements
_ data input manually or via QR-code reader



_ automatic documentation of all measurements
_ listing of CT, SAG depth, Total Height, Aperture Diameter
_ automatic marking IN/OUT of spec for all dimensions
_ extensive data export functions + XONOX IQC compatible



_ intelligent and easy-to-use setup for administrative functions and user handling
_ quick setup for auxilliarry equipment such as QR reader, foot switch etc.
_ easy network integration and path settings for documentation

WORKING RANGE	50 mm travel of measuring gauges on different adjustable positions
DIAMETER RANGE	Ø8mm - Ø300mm
MEASURING SYSTEM	digital precision measuring gauge with 0.5µm resolution.
MEASURING ACCURACY	resolution: 0.5µm | Accuracy ≤ 2µm @ 20°C (higher accuracies via setup procedures | Repeatability: 1µm
DIMENSIONS (WxDxH) / WEIGHT	360 x 480 x 650mm / approx. 40Kg
CONNECTIONS	110-240 V / 50-60 Hz, compressed air: 6 bar
COLOR	Light grey RAL 7035

XONOX Technology GmbH
Kirchstrasse 9 // 35625 Hüttenberg // Germany
Phone +49 6441 96364-0 // Fax +49 6441 9636410
info@xonox-tec.com // www.xonox-tec.com

iQC READY

XONOX
METROLOGY FOR OPTICS REDEFINED