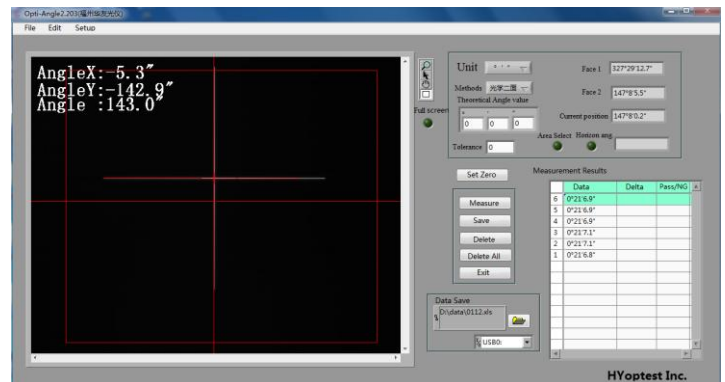


Digital Goniometer MAT-300 could be used for precision prisms measurement or polygon calibration without the standard prism gauge for comparison. The working principle is to use the autocollimator to detect the two surfaces of the testing angle respectively, and the rotary table consists of a precision air-bearing and multi-axes kinematics mounting plate, which would not induce any error during rotate the prism from face 1 to face 2, and assure the encoder read the pure prism angle value. The equipped high accurate encoder(with 0.1 arc-second resolution) to real-time read the angle rotating and directly shown on the software interface.



Main Applications:

- Dihedral Angle testing
- Polygons Calibration
- Wedge angle Testing
- Prism precision assembly
- Perpendicularity & Parallelism testing



Main Specifications:		Main Parts of Equipment:	
Auto-collimator	EFL=300mm	● Auto-Collimator(with CCD)	
Aperture	40mm	● Precision Air-Bearing (Manual Rotation)	
Resolution	0.1"	● Multi-Axes kinematics mounting plate	
Rotating error	≤0.1um	● Illuminator & Fiber Lightguide	
Light Source	White Light	● Granite Base	
Accuracy(Single/Multi)	±1"	● Software & Computer	
Range	0~360°	● Compress Air required (No includes)	
Rotary Table	Φ200mm		
Max Load	15kg		
Measurement Way	Reflection Mode		