

PROFILE PROJECTOR



EP optical profile projector is designed for all kind of measurement in mould & die making, from tools making, screw manufacturing, gear manufacturing, electric, electronic and pneumatic components etc...

EP High Precision optical Profile Projector Provides accurate 2D measurement for all common geometric features such as circle, line, angle, distance, intersection points etc... all measured results can transferred to computer for further processing.

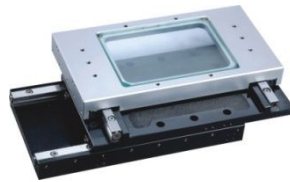
Manufactured with top class components, under high standard of workmanship, EP achieves very high measurement accuracy, the accuracy is $(3+L/100)\mu\text{m}$, where L is the measured length in mm. The total contour distortion is less than 0.08%.

EP equipped with the LCD measuring system to assure high accuracy measurements and provide easy operations.



【High stability machine casting】

To avoid deformation caused by internal stress of metal casting, in additional to normal internal stress release process by tempering, all EP's castings are further stress released by computer controlled vibration stress release. This process assure high stability and long lasting measuring accuracy.



【High precision linear guideway】

The high precision linear guideways are used in all X Y Z Axes movement to provide high straightness movement and consequently high measurement accuracy.



【Robust friction transmission system】

To avoid the used back-lash problem in normal lead screw transmission system, rod base friction transmission systems are used in EP'S XY movements. This solution provides excellent smooth, sensitive and back-lash free positioning that assure easy & precise measurements.



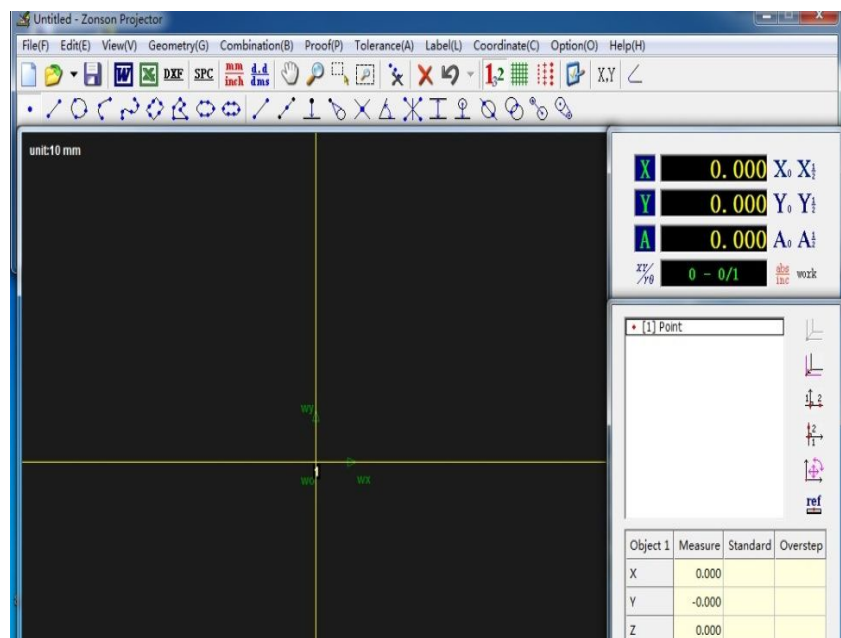
POWERFUL

FRIENDLY

*Basic measurement functions: point, line, angle, circle, distance, angle, intersection,

*Pattern measurement function: Midpoint, circle tangent lines, line circle intersection, circles intersection, midline

ES20 has a big multicolored LCD display screen which provides active graphic display, and step by step operation graphical guidance for all DRO functions, which makes ES20 extremely user friendly.



EP can update ES20 DRO to software for much more 2D functions

Model	EP 1505	EP 2010
Table dimensions	340×150mm	350×170mm
X measurement travel	150mm	200mm
Y measurement travel	50mm	100mm
Z focusing travel	90mm	
XY readout resolution	0.0005mm	
Axial measuring accuracy	(3+L/200)um	
Screen diameter	315mm	
A readout range	0-360°	
A readout resolution	0.01°	
Max. Contour distortion	0.08%	
Magnifications Lens	10×, 20×, 50×, 100×	
size	80*55*170cm	