

AngleMAT小型比较测角仪 AngleMAT Series Products



新的**AngleMAT**小型光电测角仪是一台高性价比的比较式测角仪产品，该产品由光电自准直平行光管、底座、支臂和选配的附件等组成。支臂可在允许范围内任意调整，结合专用的测量仪软件，可对各类棱镜、平晶、窗口等平面光学元件进行角度测量。

The **AngleMAT** series is also known as comparison goniometers and is primarily used to measure prisms and other plano-optical components in production environment. This series of instruments can measure any angles, however, using a reference prism with a known angle. The results are given as a difference to the master prism or as absolute value of the measured angle.

比较测角仪 (Goniometers)

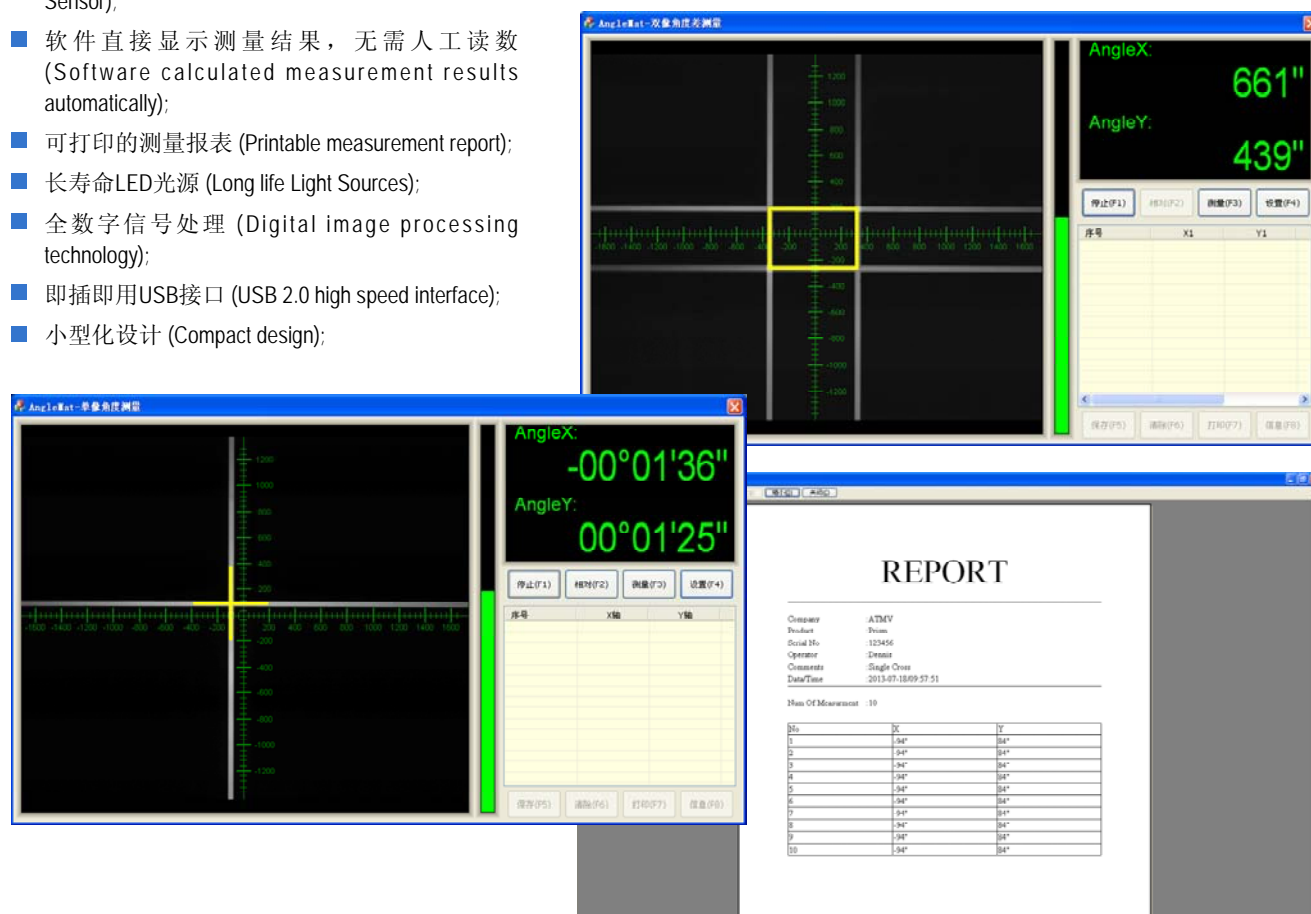
Measure with Precision

产品特性 (Features)

- ±1.0秒光学测角精度 (Up to ± 1.0 arcsec angle measurement accuracy);
- 最大值测量或X、Y双轴独立测量 (Max. error or dual-axis error measurements);
- 高分辨率图像传感器 (High resolution image sensor);
- 软件直接显示测量结果，无需人工读数 (Software calculated measurement results automatically);
- 可打印的测量报表 (Printable measurement report);
- 长寿命LED光源 (Long life Light Sources);
- 全数字信号处理 (Digital image processing technology);
- 即插即用USB接口 (USB 2.0 high speed interface);
- 小型化设计 (Compact design);

典型应用 (Typical Applications)

- 光学棱镜检测 (Prism measurement);
- 光学窗口及平晶测量 (Measurements for optical windows or optical flat);
- 平行度及双像差检测 (Parallelism or double-image error);



规格 (Specifications)

型号	Order Number	PM-150M	PM-200M	PM-300M
物镜焦距 (Focal Length)		150mm	200mm	300mm
物镜口径 (Lens Diameter)		38.1mm (NA. = 85%)		
光源类型 (Light Source)		大功率半导体光源 LED Light Source (中心波长 $\lambda=630\text{nm}$)		
探测器 (Sensors)		高分辨率图像传感器 (High Resolution Image Sensors)		
目镜 (Viewfinder)		叠加电子分划线的实时视频影像显示 (Video with Software Reticle)		
测量频响 (Measuring Frequency)		3Hz TYP.		
接口 (Interface)		USB 2.0 High Speed Interface		
最大读数视场 (Measuring Range)		4000"×3000"	3000"×2400"	2000"×1600"
分辨率 (Resolution)		0.1"	0.05"	0.02"
精度 (Accuracy)		±1.5"	±1"	±0.5"
重复性 (Repeatability)		0.75"	0.5"	0.25"
工作台尺寸 (Stage Table Dimensions)		220mm (L) × 150mm (W)		
重量 (Weight)		7.5KG		