

Aspheric Lens

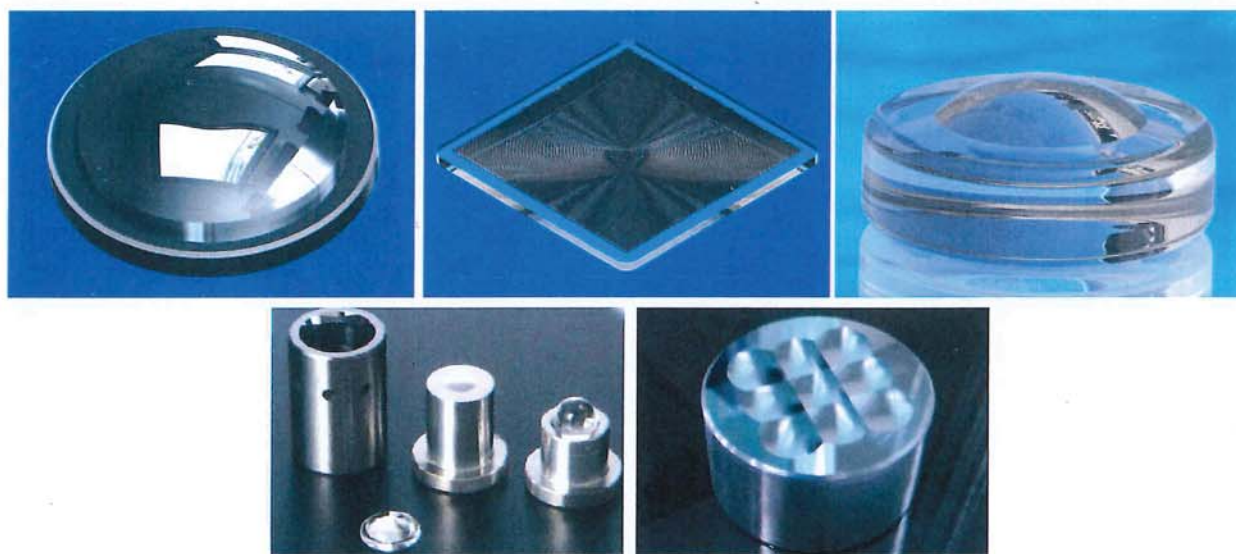
超高精密非球面透镜

天阳谷公司拥有 ± 0.1 微米超高精度生产设备，包括单点金刚石车床、超高精密模压机、CNC加工中心、Taylor Hobson1240表面粗糙度测量设备、阵列激光量测设备、高倍显微镜等，生产设备均属世界顶级水平。

主要产品包括：超高精密非球面透镜、菲涅尔透镜、红外透镜、自由曲面透镜、自由曲面模仁、非球面透镜阵列、光学棱镜等等。

Shenzhen Solar Valley Technology Development Co., has a ± 0.1 micron ultra-high-precision production equipment, including single point diamond turning, ultra precision molding machine, CNC machining centers, Taylor Hobson1240 surface roughness measuring device, an array of laser measurement equipment, high-powered microscope, are world-class production equipment level.

The main products include: high-precision aspheric lenses, Fresnel lenses, infrared lenses, free-form surface lens, free-form surface mold insert, aspheric lens arrays, optical prism and so on.



Capability	Component Types	Material
Maximum Component diameter: $\phi 120\text{mm}$	Aspheric Surface	Germanium (Ge)
Typical figure accuracy: $\lambda/4$ @ 633nm (@ Diameter: 120mm)	Spherical Surface	Silicon (Si)
Typical surface finish: < Ra 2nm	Hybrid Surface	Zinc Selenide (ZnSe)
Center thickness: 1-60mm	Conic Surface	Zinc Sulfide (ZnS)
Centration: < 0.5 arc minute	Diffraction Surface	Calcium Fluoride (CaF ₂)
MIL-Scratch/Dig: 10-5	Fresnel Surface	Polymethyl Methacrylate (PMMA)
	Mold Tools	UV FS material: Heraeus, Corning Glass material: DGM, Schott, Ohara, Hoya

Aspheric lens processing equipment 非球面透镜加工设备

