

多面镜 Polygonal Mirrors

多面扫描镜(Polygonal Scanners),

可实现大范围、超高速、高精度与高重复性的激光光束扫描。多面扫描镜装置包括电机与多面棱镜，多面棱镜具有多个反射面，并安装在电动机的旋转轴上。通过电机的旋转，多面棱镜可实现高速旋转，从而实现大角度、高速的光束扫描。

应用领域：医学成像、薄膜检测、材料加工、激光印刷制版、印刷线路板检测



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- **Diamond Machined Mirrors:** 该棱镜由 5052 and 6061 铝合金或铜制成。

Surface figure: $\lambda/8$ per inch typical

Surface roughness: 40-80 Angstroms rms depending on configuration

Optical coatings: Wide variety of gold and enhanced aluminum coatings available

- **Polished Mirrors:** 该抛光棱镜适用于要求低散射的薄膜或紫外光扫描的应用。该棱镜由非电镀的涂镍 6061 铝材制成。

Surface figure: $\lambda/8$ per inch typical

Surface roughness: ≤ 10 Angstroms rms

Optical coatings: Wide variety of enhanced aluminum coatings including the deep UV

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