

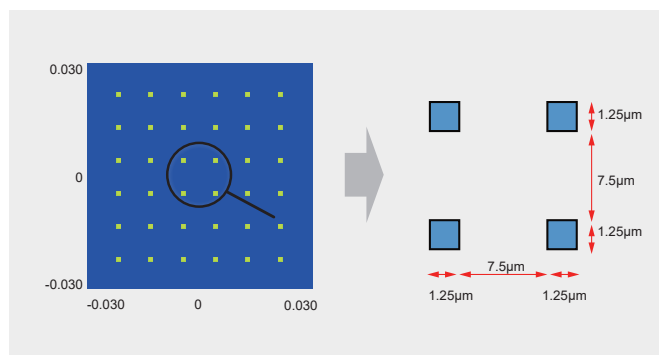
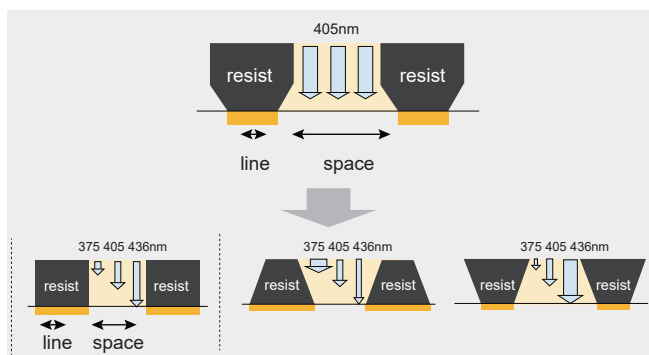

Laser-9500DLP Engine

LED&Laser-9500DLP Engine

Laser-6500DLP Engine

产品特点 Feature&Benefit

- 采用激光光源，实现更高功率，比LED光效更高
Take advantage of Laser as light source, dedicated to higher power intensity and more efficiency than LED source;
- 激光光源光学扩展量小，成像焦深大，对比度高
Laser source has smaller Etendue contribute to the larger depth of focus and higher contrast;
- η^{TM} 结构专利设计，具有更紧凑的尺寸，便于设备配置多个扫描引擎，实现更大尺寸和更高分辨率的曝光图像；
Patented η^{TM} optical path dedicated to the small size and arrow configuration, it can realize larger image and higher resolution by multi-head;
- 光纤耦合激光光源重量轻，可实现DLP引擎的高速运动和快速曝光；
DLP engine is able to fast move and quickly image because of using fiber coupling laser source to reduce the weight;
- 采用了多波长光源，通过调节各波长输出配比，可控制曝光光刻胶的侧壁形貌。
Utilizing multiple wavelengths, the resist profile can be changed by controlling the ratio of the optical output of each wavelength.

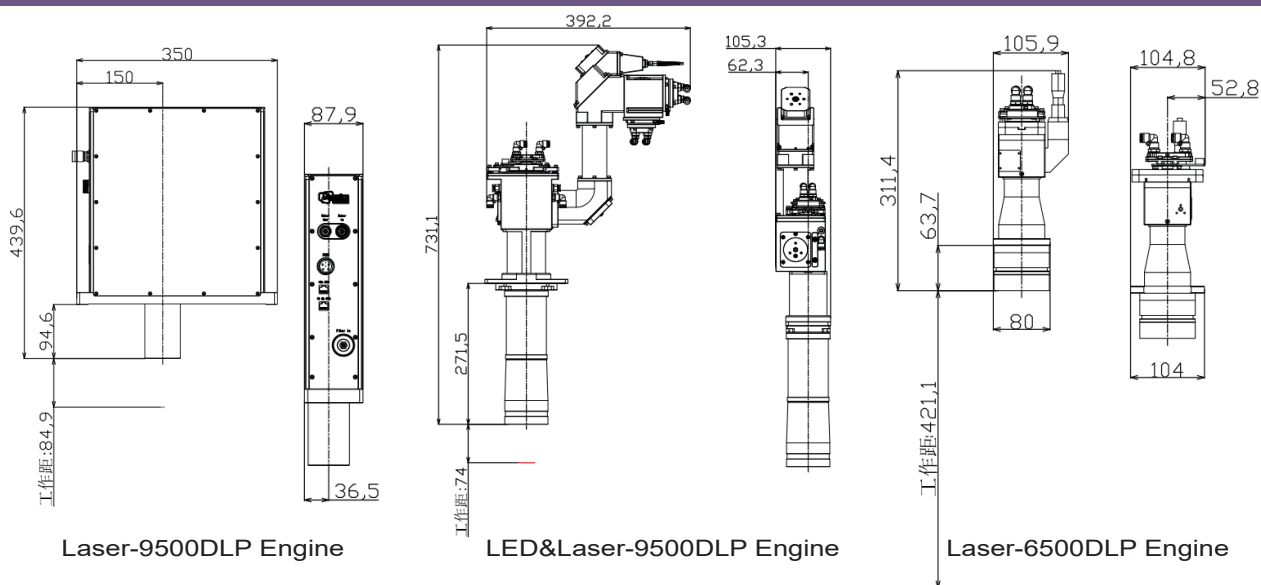


DLP® 光机引擎 Industrial DLP® Projector Engine

产品应用 Application

- 增材制造
- 激光直写成像的阻焊曝光和线路曝光
- 半导体封装光刻
- MEMS加工
- 结构光三维扫描
- Additive Manufacturing
- Laser Direct Imaging (LDI) for solder or circuit resist layer processing
- Semiconductor Packaging Lithography
- MEMS Lithography
- Structure-light 3D Scanning

外观尺寸 Dimensions



技术参数 Specification

DLP 平台 DLP Type	9500	9500	9500	6500
分辨率 Resolution	1920*1080	1920*1080	1920*1080	1920*1080
照明 NA Illumination NA	NA0.05~0.12	NA0.12	NA0.12	NA0.12
光源 Light Source	LD:375/405nm	LED:365/385nm LD:405/425/435nm	LD:405/425/435nm/1064nm	LD:405nm
曝光面功率 Lens Output Power	≤15W	LED: ≤3W LD: ≤50W	405/425/435nm: ≤50W 1064nm: ≤150W	≤15W
镜头倍率 Lens Magnification	0.2~5	2.5~2.9× (支持客户定制 Customized)		0.5~14x
图像分辨率 Pixel Size	100nm~54μm	27μm~31.3μm		100nm~54μm
均匀性 Power Uniformity		9500		
功率波动 Power Fluctuation		1920*1080		
照明远心度 Illumination Telecentricity		NA0.05~0.12		
工作模式 Working Mode	滚动扫描 Scrolling	静态/滚动扫描 Static/Scrolling		静态扫描 Static

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