增材制造

UV高功率光机

High-Power UV Light Engine



本光机产品采用DLP.78 UV专用级DMD芯片，搭配LED/LD紫外光源，是一款光固化3D打印专用平台。具有超长使用寿命和超高分辨率，是工业级生产型打印设备最稳定、高效的保障。

This optical engine product adopts the DLP .78 UV-specific grade DMD chip, paired with LED/LD ultraviolet light sources, serving as a dedicated platform for photopolymerization 3D printing. It offers exceptionally long service life and ultra-high resolution, ensuring the most stable and efficient performance for industrial-grade production printing equipment.

产品特点

- 卓越的UV光响应效率，超长的使用寿命；
  Outstanding UV light response efficiency and extended service life;
- 可拓展更多种类、更高性能的工程材料的应用；
  Supports a wider variety of higher-performance engineering materials;
- 0.05%光学畸变，在更大画幅、多光机拼接应用上可保证打印精度；
  Optical distortion of only 0.05%, ensuring printing precision in larger formats and multi-projector tiling applications;
- 可适配365nm/385nm/405nmLED光源、375nm/405nm LD光源，覆盖应用领域更广。
  Compatible with 365 nm/385 nm/405 nm LED light sources and 375 nm/405 nm LD light sources, covering a broader range of applications.

应用场景

3D打印
3D Printing



LDI激光直写
Laser Direct Writing



产品参数

型号Model	LTP-sUHD-UVx	备注
技术平台Platform	DLP78TUV	
分辨率Resolution	3840x2160	XPR
输出功率Output Power	0~25W@405nm LD 0~8W@385nm LED	可定制
打印精度Printing Resolution	25μm~150μm	
打印画幅Image Size	96mm×54mm ~576mm×324mm	
对比度Contrast(ANSI)	>1000:1@LD光源 >700:1@LED光源	ANSI
均匀性Uniformity	>90%	(Typical 13 point)
畸变Distortion	<0.1%	
工作距离Working Distance	130mm~640mm	
外形尺寸Overall Dimensions	245mm×159mm×235mm	

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