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LED UV Solidify Machine

Compared to traditional ultraviolet (UV) solidify machines that use mercury or gallium lamps as light sources, those solidify machines that uses LED as light sources has several distinct advantages, including longer lifetime, environmental friendliness (no ozone production), energy efficiency, and no significant heat emission during operation.

Currently, LED light sources at wavelengths of 365nm and 395nm are primarily used. Within these wavelengths, the light emission intensity of LED is much greater than that of mercury lamps, which is beneficial for the deep curing of UV materials. At the same time, the heat generated by LED lighting is dissipated from the back, with no heat on the lighting side itself, thus avoiding any temperature effects on the curing materials.

On the other hand, LED emit narrow bandwidth light, which allows for precise curing (including the precise curing of specific parts of materials, such as in 3D printing; or adjusting the irradiation distance to achieve a certain degree of curing of the material).

Ordering Information→ Technical Items ↓	BGD 8200/A LED UV Solidify Machine	BGD 8200/B LED UV Solidify Machine	BGD 8400/A LED UV Solidify Machine	BGD 8400/B LED UV Solidify Machine
Wavelength	365nm	395nm	365nm	395nm
Lighting Size	100mm × 200mm		100mm × 400mm	
Belt Width	200mm（Teflon）		400mm（Teflon）	
Moving Speed	0.5m/min ~ 8m/min（可调）			
Irradiance Energy[1] （mW/cm²）	800 （UVA） 230 （UVV）	60 （UVA） 1200 （UVV）	800 （UVA） 230 （UVV）	60 （UVA） 1200 （UVV）
Adjustable Power	10% ~ 100%（knob-style）			
Lighting Distance	10mm ~ 100mm（adjustable）			
LED Lifetime	20000h			
Heat Dissipation	Forced air cooling			
Power Supply	AC 220V，50&60Hz			
Total Power	500W		1000W	
Overall Size（L × W × H）	1000mm × 410mm × 660mm		1000mm × 610mm × 790mm	
Remarks	**1.** These data is measured by UV Power PUCK II produced by USA EIT company under 20mm lighting distance. **2.** Wave peak range：UVA→320~390nm ； UVV→395~445nm			

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