Origin® CureLite™

Secure Precision for Repeatable Results of Industrial 3D Printing.

The Origin CureLite gives Origin users control over the final properties of their printed parts. They can solidify the injection-molding-quality of green-state parts after printing and washing cycles, ensuring dimensional accuracy, superior surface finish, and optimal material performance.

The dual 365 nm and 395 nm wavelength light system combines controlled heating up to 80°C to finish the polymerization process initiated during printing. This results in durable, high-precision parts ready for demanding applications, including end-use production and advanced tooling.

The automated curing process and preloaded profiles for all Origin validated and preferred materials eliminates the need for manual part flipping or timing, increasing throughput, saving over 90% manual labor time and reducing risk of mistakes.

Origin CureLite provides:

- Improved accuracy and part repeatability - More consistent curing thanks to automated process, multiple light sources and rotating plate.
- Automatic curing – Click & Go, no flipping, saving over 90% of manual operator time.
- Preset curing profiles for optimal balance of curing time vs accuracy mechanical properties.
- Optimal curing area of >500 cm2, and 40% higher vs previous curing station.
- Dual 365 nm and 395 nm wavelength light integrated with thermal curing support of up to 80°C for best performance
- Online software updates
- Good value for money with 20 – 30% lower price vs previous curing station, balancing cost and curing times

Product Specifications

Light Engine	• Low power consumption UV LED arrays with dual wavelengths: 365nm, 395nm • UV intensity uniformity and 360° curing within the chamber (no timing nor part flipping required) • UV LED electrical power 70 W • UV LED radiant power: 36 W total
Heat	Maximum post-cure temperature 80ºC/176ºF
Curing Volume	Cylinder 39.5 cm/15.6 in diameter and 32 cm/12.6 in height Except central curing blind spot.
Software	• Touchscreen user interface • Preset curing profiles for Origin's validated/preferred materials • Automatic software updates
Power Requirements	• Input (NA): 100–120 VAC, 50–60 Hz, 15 A max • Input (EU): 220–240 VAC, 50–60 Hz, 8 A max
System Size and Weight	• 69 × 54 × 44.5 cm/27.2 × 21.3 × 17.5 in • 24 kg/53 lbs
Regulatory Compliance	cETLus (NRTL), Safety CB Certificate, FCC Part 15 subpart B, Industry Canada, CE (Safety, EMC, RoHS, REACH), KC Mark
Connectivity	Wi-Fi: 2.4 GHz Ethernet: 100 Mbit USB: 2.0
Wi-Fi Connectivity	Protocol: IEEE 802.11 b/g/n Frequency: 2.4 GHz Supported security: WPA/WPA2
Ethernet Connectivity	RJ-45 Ethernet (10BASE-T/100BASE-TX) LAN port Connect with a shielded Ethernet cable (not included): minimum Cat5, or Cat5e or Cat6.
USB Connectivity	USB (rev 2.0) B port with a USB A-B cable
Sound Emission	Does not exceed 79.5 dB(A).

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