



sCure™

PRELIMINARY



From printed part to production-ready performance

sCure integrates drying, multi-wavelength UV curing, controlled heating & cooling, photobleaching, and oxygen inhibition mitigation in a single solution designed for Origin® platforms.

With controlled, automated processes and digital traceability, sCure helps manufacturers achieve repeatable part performance while reducing operator dependency and workflow complexity.

ACHIEVE CONSISTENT CURING

Obtain repeatable part properties and appearance as well as dimensional accuracy across the build volume

- Multi-angle UV exposure with 360° coverage
- High Intensity 120 mW/cm² LEDs for faster curing and optimized properties
- Controlled chamber reflectivity for uniform energy distribution
- Drying, Integrated heating & cooling, nitrogen atmosphere, 2-wavelength curing (405 nm, 450 nm)
- Cure uniformity and energy distribution across build volume

OPTIMIZE PART PERFORMANCE

Achieve target mechanical, thermal, and chemical properties by applying the right post-processing conditions for each material

- Preloaded, validated curing profiles by material and application
- Support for validated P3/Origin materials
- Adjustable UV wavelength, intensity, and exposure
- Adjustable drying and heating steps
- Recipe storage and recall

INCREASE THROUGHPUT, SIMPLIFY WORKFLOWS

Automate post-processing steps to reduce manual handling, operator dependency, and workflow complexity

- Integrated drying and curing
- Fast dry + cure cycles (60 min in total)
- Automated processing with minimal manual intervention
- Full Origin build-volume support
- Multiple tray / batch curing capability
- Intuitive touchscreen interface

ENSURE PROCESS TRACEABILITY AND AUDIT REPORTING

Capture curing process data to support quality assurance, compliance, repeatability, and production documentation

- NFC-based material/job identification and cycle records
- Batch traceability and production reports
- UV intensity and chamber temperature monitoring
- User authentication and audit trail support



Product Specifications	
Light Engine	<ul style="list-style-type: none">405, 450 nm wavelengthsMax Irradiance: 120mW/cm² at 405nm; 30 mW/cm² at 450nmUV intensity uniformity and 360° curing within the chamber (no timing nor part flipping required)
Drying	Integrated drying ≤30 min
Thermal Heating	Maximum post-cure temperature 80°C (176°F)
Atmosphere Control	N ₂ control
Photobleaching	Yes (450 nm)
Curing Volume	365 × 260 × 410 mm, WxDxH Shelf size: 300 × 180 mm, WxD
Software	<ul style="list-style-type: none">Touchscreen user interfaceGrabCAD integrationPre-programmed curing profiles for Origin validated & preferred materialsProgrammable curing profiles: can modify and save new recipesAutomatic software updates for connected units; via USB for local versions
Power Requirements	<ul style="list-style-type: none">Input (NA): 110–120 VAC, 50–60 Hz, 13 A maxInput (EU): 220–240 VAC, 50–60 Hz, 6.3 A max
Regulatory Compliance	CE, CB (safety), cTUVus (NRTL), FCC & Industry Canada, AS/NZS, RoHS, REACH
Traceability & Reports	Yes - NFC
Connectivity	<ul style="list-style-type: none">EthernetUSB 3.0 Type C[YB1.1]Local version
Ethernet Connectivity	RJ45 Ethernet port (10BASE-T/100BASE-TX) Connect with a shielded Ethernet cable (not included): minimum Cat5e.
Sound Emission	Less than 57.5 dB(A).
VOC Filtration	ProAero compatible
Part Number	ORIG-00740



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PRODUCT SPEC SHEET

P3™ DLP

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