



xCURE Post Curing System

Nexa3D's xCURE consistently and rapidly unlocks the full potential of your 3D prints regardless of size or complexity. xCURE optimizes the curing of all resin-based parts to ensure consistent dimensional accuracy, robust structural integrity, and stronger molecular structures. It accommodates parts as large as 16 liters in volume. The chamber can hold up to three build plates at once and allows parts to cure directly on the build plate or be placed in a basket and cured individually. xCURE's Perfect Part Optimization process consists of dual wavelength LEDs, multi-build plates, and parallel UV and thermal processing. xCURE's validated end to end workflows drive the perfect balance of temperature, UV wavelength, and material-specific sequences to deliver the perfect cure. These optimal and effective curing cycles guarantee consistent mechanical properties and predictable part performance. The net result is, less post-processing time, faster time to market, better part performance, increased 3D printing productivity and of course – the perfect part.

Key Features

SIMPLE OPERATION

LCD screen interface with a rotary knob and push operation

EFFICIENT

365+405 nanometer wavelength LED's deliver a broad spectrum of Nexa3D resin initiator coverage

MAXIMUM COVERAGE

6 LED strips that provide 360° of coverage with reflective interior to optimize uniformity

INTUITIVE WORKFLOW

Resin profile pre-settings for Nexa3D resins, as well as custom user input option

UPGRADEABLE

Updates can be done with a file, a computer and USB cable

CONVENIENT

Part loading flexibility: option to load loose parts on a shelf or parts printed on a build plate

FUNCTIONAL

Operation options: light only, heat only, or light and heat combination



Specifications

Single click – rotate and push operation	External Dimensions (WDH) 21"x20"x32" 53.34x50.80x 81.28cm
Validated resin pre-sets for consistent part curing results	Internal Dimensions (WDH) 15.50"x 10.75"x25.75" 39.37x 27.30x65.40cm
30-60C heating capacity with 1C increments	Weight 110lbs (empty) 49.89 kg (empty)
6 dual wavelength 365 + 405 nm LEDs	US 100-120 VAC 60 HZ
Total input power of 360W ensures quick and efficient cycles	EU 200-240 VAC 50 HZ