

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Excelitas / Lumen Dynamics 805-00009* at our website: *Click HERE*

NOVACURE® SPECIFICATIONS

Lamp: Lamp Life: Removable Filters:	High Pressure 100 Watt Mercury Vapor Short Arc 1000 hours (typical) Standard: 320-500nm / Optional: 250-450nm*, 365nm, 320-390nm, 400-500nm *Must be used with extended range or fused silica light guides.
Power Supply:	High efficiency, switch mode, constant power output, auto range selection 90-132 and 180-264 VAC, 47-63 Hz
Warm-up Period:	3 minutes (typical)
Microprocessor Controls:	User-friendly, menu-driven software prompts and accepts application parameters (exposure time, intensity and/or dose) and ensures correct values are maintained
Keypad:	5-button, flush-mounted, tactile; with protective overlay
Display:	2 lines x 40 characters (each character 5x9 pixels); backlit LCD with contrast control
Dimensions:	L x W x H 17.22" x 11.21" x 5.84" 43.74 x 28.47 x 14.83 cm
Weight:	20.75 lb. / 9.4 kg
Includes:	Lamp module, standard bandpass filter, protective eyewear, grounded and shielded power cord, foot pedal, radiometer adapters (3mm, 5mm), spare I/O connector with pins, PC software, hexcap ball driver, shutter lubrication, radiometer calibration certificate and manual
Optional:	StepCure™ feature; multi-legged fibre light guide feedback control
Warranty:	1 year, parts and labor (excluding lamp and light guide)

The EFOS quality system has been registered to ISO 9001-1994 (#003017) by QMI.
Protected by U.S. Patent # 5521392.

EFOS

MANUFACTURING SOLUTIONS *with the* POWER *of* LIGHT

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N001 Specifications subject to change without notice Printed in Canada on recyclable paper

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NOVACURE®

ULTRAVIOLET/VISIBLE SPOT CURE SYSTEM PROVIDING OVER 20,000 MW/CM²

THE NOVACURE® IS THE ONLY SYSTEM ON THE MARKET THAT DELIVERS ALL THE BENEFITS OF UV AND VISIBLE SPOT-CURING. POWER, PRECISION, CONTROL AND REPEATABILITY ARE ENSURED FOR EACH AND EVERY CURE, THANKS TO THE NOVACURE'S® PATENTED TECHNOLOGY, BUILT-IN SYSTEM INTELLIGENCE, AND SOPHISTICATED MONITORING, CONTROL AND REPORTING FEATURES.

Power.
Precision.
Control.
Repeatability.

Manufacturers around the globe, from every sector of industry, are discovering the advantages of EFOS light-based, precision assembly solutions.

Since 1982, EFOS has combined next-generation optical engineering, state-of-the-art electronics, photochemistry, fibre-optics and process engineering, to produce sophisticated, light-based technologies for industry. Today, EFOS leads the development and manufacturing of precision spot-curing systems and we are unmatched in our commitment to quality and service.



POWER

- Ideal for widest range of applications with over 20,000 mW/cm² of curing power
- Stronger, faster, deeper cures
- Improved quality, increased production, reduced costs

PRECISION & CONTROL

- Microprocessor control ensures accuracy
- Built-in radiometer for real-time output monitoring
- Four user-programmable presets for single exposure or optional StepCure™ feature

REPEATABILITY

- Patented closed feedback loop ensures required intensity levels are maintained for every cure
- Internal calibration checks system integrity
- Comprehensive process validation and reporting*
- Exposure data can be downloaded to a PC or printed to support process validation*

*May not be available for custom software options

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Precision Technology *that's* Light Years Ahead

1 **Pull-Out Drawer**
Convenient pull-out drawer makes lamp and filter changes fast

2 **Intelli-Lamp™ System**
Intelli-Lamp system extends lamp life and delivers optimum performance

3 **Control Display**
User-friendly, flush-mounted keypad and 40-character menu-driven display for fast and easy programming

4 **Optical Feedback Loop**
Measures output at source for setting control; ensures repeatability

Built-in System Intelligence

The sophisticated technology EFOS has built into the Novacure® ensures optimum light delivery for every cure. A daily calibration procedure measures output at the light guide's tip using an on-board radiometer. The patented closed loop feedback system continuously monitors light output at source, signaling a microprocessor controller to adjust the unit's output to the light guide to maintain consistent intensity levels.

Programmable Precision Control

Using the Novacure's® easy-to-follow, menu-driven controls, users can define and set parameters such as intensity, dose, operation mode, exposure time and dwell time, for up to four separate types of cures. Alternatively, users can request the optional StepCure™ feature. This unique option allows a single cure to be automatically executed in two to four consecutive steps, each with different user-programmable parameters.

Process Validation and Reporting

The Novacure's® comprehensive reporting system delivers complete process validation. Using the software provided with each unit, key information, such as internal calibrations, accumulated lamp hours, requested intensity and number of exposures can be compiled for quality assurance reports and downloaded to a PC and printed.





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Light Delivery

EFOS offers flexible, liquid-filled light guides in a variety of lengths, tip sizes and configurations to suit most customer needs. Single or multi-legged fused silica-fibre guides and a family of optical accessories that meet virtually any assembly challenge are also available. **EFOS** welcomes custom requests for unique light delivery requirements.



Flexible Spectral Output

Meet unique spectral requirements with the right bandpass filter. **EFOS** carries a variety of filters that allow enhancements to cure characteristics and output refinements for specific conditions, such as protecting heat-sensitive substrates.

Filter	Intensity Output*
250-450nm	24,600 mW/cm²
320-390nm	11,100 mW/cm²
320-500nm	23,400 mW/cm²
365nm	6,000 mW/cm²
400-500nm	8,700 mW/cm²

*Typical values. Measurements taken with a scanning radiometer; calibration traceable to NIST



Features	Benefits
Typical power output with the standard filter at 320-500nm: 23,400 mW/cm²	**Versatility**: Delivers the intensity and power required for optimized UV and visible light curing for a broad range of industries
Microprocessor controlled exposures with closed loop feedback system	**Exposure Control**: Unit automatically monitors and maintains settings for repeatable exposures
Shutter and exposure verification alarms	**Confirms Process**: ensures repeatability and quality control
Built-in radiometer for calibration	Ensures operating integrity at light guide tip
User-friendly, Y2K compliant reporting software: download operation history to a PC	Process validation, monitoring and reporting
Intelli-Lamp™ System: controls cooling and monitors lamp hours	Optimizes lamp life; displays accumulated lamp hours
Hot lamp strike prevention	Protects lamp life
Slide-out drawer	Fast lamp and filter replacement
Finger-touch control panel with comprehensive LCD display	Easy to use
Remote operation using 15-pin connector (standard)	External control for automated applications
Optional StepCure™: multi-phased cure	Each phase user-programmable for optimized curing profiles
Optional feedback control with multi-legged fibre light guides	Real-time control using end-of-light-guide measurement
CE marked; certified to IEC, Canadian and US standards	Ready for use worldwide

EFOS carries a full line of replacement parts, supplies and accessories. Our team of light-based technology experts can recommend a light delivery system for any spot-curing challenge.

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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