

# UV CURING SYSTEM

## INNO-CURE 2000 & INNO-CURE 5000

### Introduction

The Inno-Cure 2000 and Inno-Cure 5000 are high-intensity **spot UV curing systems** optimized for **partial-area curing** where **precision, power, and speed** are essential. With intelligent control, concentrated UV delivery, and compact design, these systems are perfect for **thick adhesive bonding**, **micro-component curing**, and **industrial-grade assembly lines**.



### Key Features

Feature	Description
Optimum for Higher UV Power on a Restricted Partial Area	The system delivers focused, high-intensity UV light to a small, targeted area—perfect for curing specific zones without affecting surrounding materials.
Concentrate UV Power to Partial Area with Light-Guide	A liquid light-guide channels the UV energy directly to a precise spot, reducing spread and maximizing curing efficiency where it's needed most.
Optimum for Thick Adhesives Rapid Curing	Ideal for curing dense or layered adhesives, thanks to its high UV output that penetrates thicker materials quickly.
Microprocessor Control	An intelligent microprocessor governs the curing process for consistent performance, enabling precise timing and UV exposure settings.
PLC Interface	Easily integrates with Programmable Logic Controllers (PLC), allowing automation and synchronization in production environments.
High UV Intensity	Produces powerful UV output, ensuring rapid and effective curing—especially beneficial in industrial, medical, and electronic applications.

### Technical Specifications

Specification	Details
Curing Type	Spot UV curing via liquid light guide
UV Intensity	High-intensity output (typically >2000 mW/cm <sup>2</sup> , depending on model)
Lamp Type	High-pressure mercury lamp / metal halide lamp
Lamp Life	Approx. 1,000 – 2,000 hours (depending on usage and lamp type)
Control Modes	Manual / Auto / Pulse
Shutter Control	Foot pedal operation (hands-free)
Cooling System	Forced air cooling
Display	Backlit LCD display
Power Input	220VAC ±10%, 50/60Hz, single-phase
Power Factor	High efficiency (≥0.95 PF)
Dimensions	Approx. 300mm (W) × 400mm (D) × 200mm (H) <i>(varies by model)</i>
Weight	~10–12 kg
Interface	PLC compatible
Data Monitoring	Integrated run time & lamp activation counter
Memory Function	Auto-return to last used working mode
Certification	CE Certified

*\*Specifications are subject to change without notice.*

### Applications

Industry	Application Description
Electronics	- Chip bonding on PCBs - Fixing small components - Screen print curing
Optics & Glass	- Bonding lenses and glass parts - Fiber optic bonding - LCD sealing
Medical Devices	- Adhesion of medical components - Spot curing of red-short materials
Semiconductors	- Wire coil bonding - Component encapsulation
Industrial Assembly	- Bonding of metals, plastics, optics - Targeted UV curing on assemblies
Printing & Coatings	- Spot UV curing for printed media - Partial coating repairs and protection

Authorised distributor:

#### Contact us

Phone : +65 3152 5859 (SINGAPORE)  
+6(04) 306 7751 (MALAYSIA)  
Email : [sales@vyns.tech](mailto:sales@vyns.tech)  
Website : [www.vyns.tech](http://www.vyns.tech)

#### Headquarters (MALAYSIA):

Address : 47,Jalan Cassia Selatan  
3/3,Taman Perindustrian  
Batu Bandar Cassia ,14110,  
Penang.

\*\*To find out more, please visit our website: [www.vyns.tech](http://www.vyns.tech) & contact our distributor

**Vyns**<sup>TM</sup>

Smart, Innovative & Evolve