



Peripherals

# AV-57, AV-57L



## LED UV Curing System

**Cutting-Edge UV LED Curing Machine.**  
The AV-57 / AV-57L features advanced LEDs emitting a precise 365 nm light wave, offering unmatched curing efficiency for demanding applications. Experience new levels of speed and performance.

### System Features

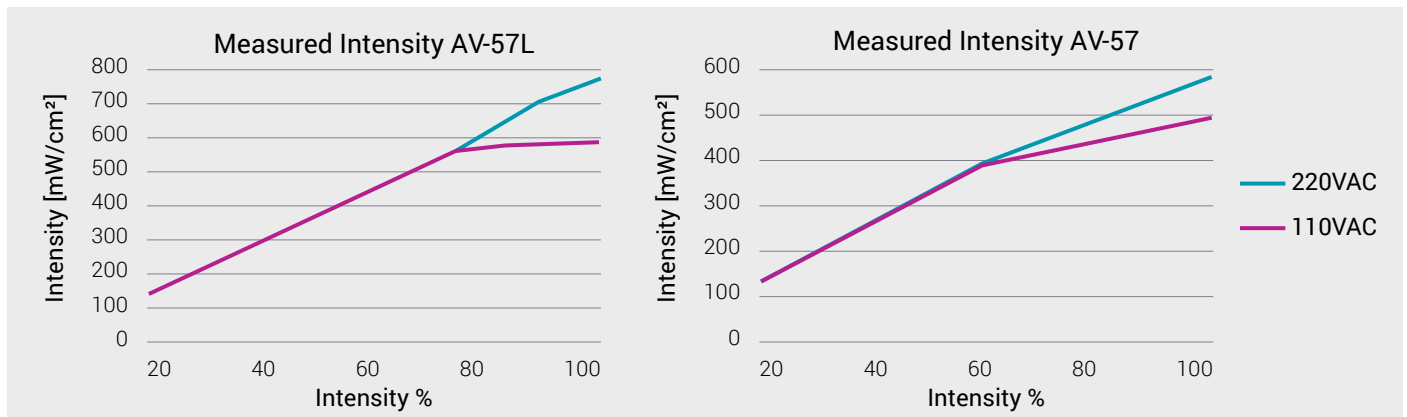
- Compact design: Space-saving tabletop unit without compromising functionality
- Touchscreen controls: Precise real-time monitoring
- Fast curing: Achieves superior results in just 5 seconds

### Operational Features

- Programmable controls for tailored efficiency
- Manual or automatic stop options for flexibility
- Light tower & buzzer for clear alerts
- Fast curing: Achieves superior results in just 5 seconds

### Intensity

The nominal UV LED intensity is illustrated in the following graph:



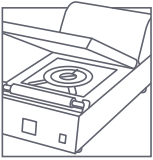
### Safety Features

- Emergency Stop Button: Instant power cut for maximum safety
- Drawer Sensor: Safety first-operation stops instantly if opened
- Separate work area: Keeps electronics isolated for added safety

### Versatile Curing Solutions

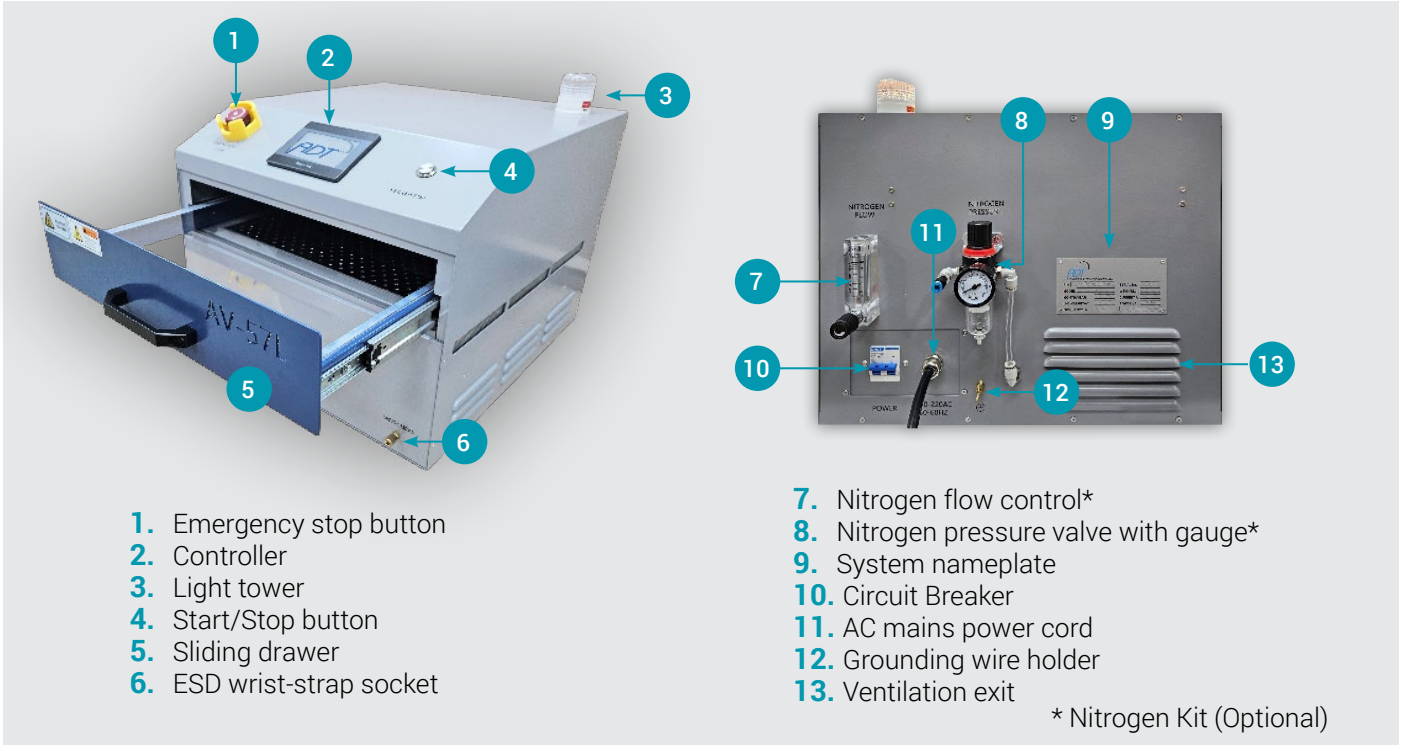
- Nitrogen Kit: Removes Oxygen for optimal curing
- Frame Shutter Kit: Protects the frame from UV radiation





# AV-57, AV-57L LED UV Curing System

## Description



- 1. Emergency stop button
- 2. Controller
- 3. Light tower
- 4. Start/Stop button
- 5. Sliding drawer
- 6. ESD wrist-strap socket

- 7. Nitrogen flow control\*
- 8. Nitrogen pressure valve with gauge\*
- 9. System nameplate
- 10. Circuit Breaker
- 11. AC mains power cord
- 12. Grounding wire holder
- 13. Ventilation exit

\* Nitrogen Kit (Optional)

## User Interface Data

### PLC Operator Panel

Type	Electrically programmable controller
Display size	4.3" color touchscreen
User control	Setup and manual activation
Indications	Curing timer and process error
Log	Machine errors
Led intensity	Controllable (20%-100%)
Light tower	Green, Yellow, Red, Buzzer
Power Cut off	EMO - Emergency push button

## Site Requirements

Voltage (single-phase)	100-230 VAC
Current	< 25A
Frequency	50/60 Hz
Power	1,840-3680 VA
Operating Temperature	15-30 (59-86) °C (°F)
Temperature Variation	±1 (±1.8) °C (°F)
Operating Humidity	20-90 %RH (non-condensing)

## Curing Data

	AV-57	AV-57L
Max. frame Dia.	8"	12"
Exposure Area	300x300 mm <sup>2</sup>	400x400 mm <sup>2</sup>
UV wavelength	365 nm	

## Dimensions

	AV-57	AV-57L
WxDxH	400x450x480 mm	500x550x480 mm
WxDxH (drawer open)	400x775x480 mm	500x1100x480 mm
Weight	39 kg	57 kg

## Nitrogen Kit (Optional)

Pressure	2-3 bar
Flow	0-100 LPM
Quick Inlet	8 mm (OD)
Filtration Level	<0.1 µm



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