VICTORY UV CURING | HEIGHT-LED

What is the payback on switching to UV LED?

A real retrofit, costed. Eight 340 mm curing stations on a label press — conventional medium-pressure mercury lamps replaced with air-cooled Victory + Height-LED UV LED units. The press stays exactly where it is.

PAYBACK	DIRECT ENERGY SAVING	SAVED PER YEAR
18 months	**70.2%**	**£28,000**
66.9% first-year return	32 kW less draw, every hour	112,000 kWh · ≈23 t CO_2e

BEFORE

Industry standard machine

Medium-pressure mercury arc lamp, 340mm

5.7 kW
per unit
45.6 kW across 8 stations

AFTER

Victory + Height-LED UV LED

Air-cooled LED curing unit, 340mm

1.7 kW
per unit
13.6 kW across 8 stations

HOW THE £28,000 ADDS UP

32 kW saved per hour × **£0.25** per kWh × **3,500 hrs** 250 days x 14 hrs = **£28,000** a year

INDICATIVE INVESTMENT

£41, 872

8 × air-cooled UV LED units, drivers and power supplies, PLC, bracketry and accessories, including installation. Installed 8 weeks from order.

Five-year saving ≈ £140,000

BEYOND THE ENERGY BILL

- ✓ **No bulb changes.** No lamps, reflectors or quartz to replace.
- ✓ **Keep your press.** A retrofit into existing stations, not a new machine.
- ✓ **Instant on.** No idling between jobs waiting to warm up.
- ✓ **Cooler, mercury-free.** Better substrate control, no mercury.

WANT YOUR OWN NUMBERS?

Ask Jamie for a costed retrofit study on your press - no obligation.

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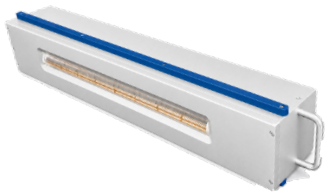
Assumptions: 8 × 340 mm curing stations. Industry standard machine at 5.7 kW per unit, typical for a 340 mm medium-pressure mercury head; Victory + Height-LED air-cooled UV LED at 1.7 kW per unit. Electricity at £0.25 per kWh. 250 production days of 12 hours plus 2 hours idle running, as mercury lamps must stay lit. Direct lamp energy only — chiller, extraction and maintenance savings excluded, so real-world payback is typically shorter. Carbon at 0.207 $kgCO_2e/kWh$, UK grid average. Investment is indicative and scope-dependent; not a quotation. Figures from an anonymised customer study.



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VICTORY

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Contact us today

And learn more about our Ultraviolet technology solutions

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VICTORY
ULTRAVIOLET