



IST INTECH
UV LED CURING SPECIALISTS

CASE STUDY



ROBERT SCOTT LTD

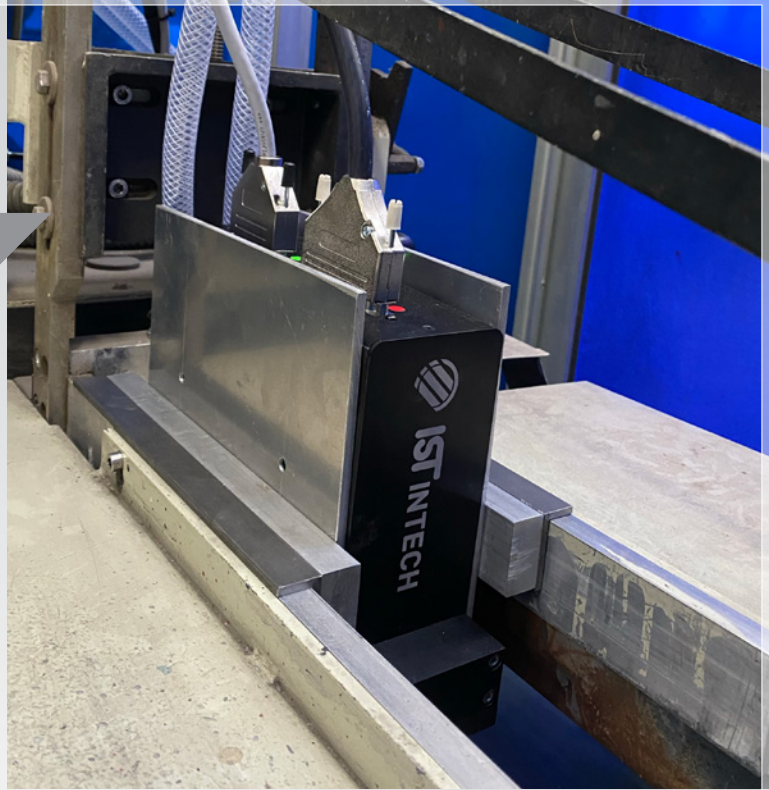
**ENHANCING SCREEN PRINTING PRODUCTION
WITH IST INTECH LED UV TECHNOLOGY**

THE CLIENT

ROBERT SCOTT LTD

David Sharkey, Production Manager at Robert Scott Ltd, has been with the company for an impressive 46 years. Based across five UK locations with 250 employees, Robert Scott Ltd is a leading industrial and domestic cleaning product supplier. Their extensive range includes spray bottles, cloths, mops, buckets, spray heads, brooms, signage, and cleaning carts — mops being their top-selling product, reaching 25 million units annually.

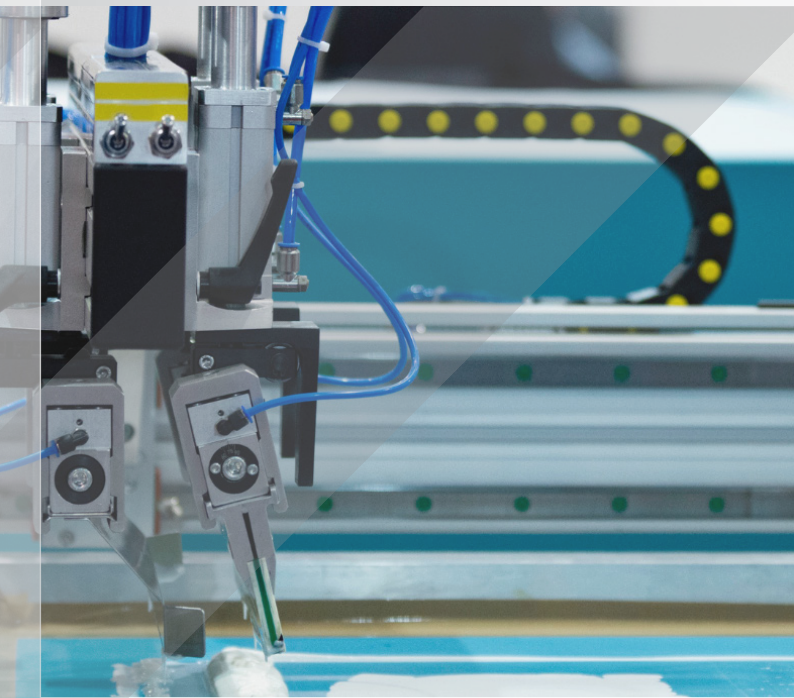
Although screen printing operations began in 2013, David has extensive experience in production management and has been overseeing the transition to more advanced technologies in recent years.



THE PROBLEM

Prior to adopting IST INTECH's LED UV curing system, Robert Scott Ltd faced increasing issues with their Omso Screen Printing press, particularly when printing onto PCR (post-consumer recycled) plastic bottles. The main challenge was adhesion failure, which became more frequent due to age-related deterioration of their conventional UV system.

These issues were compounded by seasonal temperature changes — in warmer months, the system would overheat and trip, causing frequent production delays. With Mercury and Gallium restrictions on the horizon, the team also needed a more sustainable and compliant solution to continue operations without disruption.



THE SOLUTIONS

IST INTECH

David and his team began investigating LED curing options and revisited the IST brand, which they were already familiar with from previous systems. Their research focused on new-generation LED technology, leading to the discovery of IST INTECH's LED curing system.

Key factors that influenced their decision included:

- Competitive Pricing
- IST INTECH's deep industry expertise, which ensured a smooth transition
- Future-proofing capabilities, including support for larger bottle formats
- Compact, water-cooled design with addressability controls

IMPLEMENTATION

The onboarding process was seamless. The INTECH sales and technical teams conducted multiple site visits, offering live demonstrations and expert guidance tailored to the company's unique challenges. Concerns about integration and production bottlenecks were addressed proactively with practical solutions.

The system's low heat output proved remarkably effective, especially during warmer months, and its compatibility with recycled plastic substrates ensured significantly improved adhesion. As a result, the team experienced reduced waste, higher throughput, and faster turnaround times.

THE RESULTS

Since implementing IST INTECH's LED system seven months ago, Robert Scott Ltd has seen:

- Noticeable improvement in adhesion levels, with excellent scratch resistance
- Lower energy consumption
- Greater system reliability and confidence in production
- Increased uptime and reduced downtime, freeing up senior staff to focus on strategic growth

The upcoming summer will provide a strong benchmark for the system's performance under high-temperature conditions — but early signs are overwhelmingly positive.

CUSTOMER SUPPORT

IST INTECH customer support has been "amazing from the start." All queries and concerns were handled promptly and professionally. A standout moment came when Robert Scott Ltd considered printing on non-standard bottle shapes. IST INTECH's sales representative quickly arranged an on-site test and analysis, confirming that the chosen system remained the best fit for the updated application.



STANDOUT FEATURES

David highlights several features that set IST INTECH's system apart:

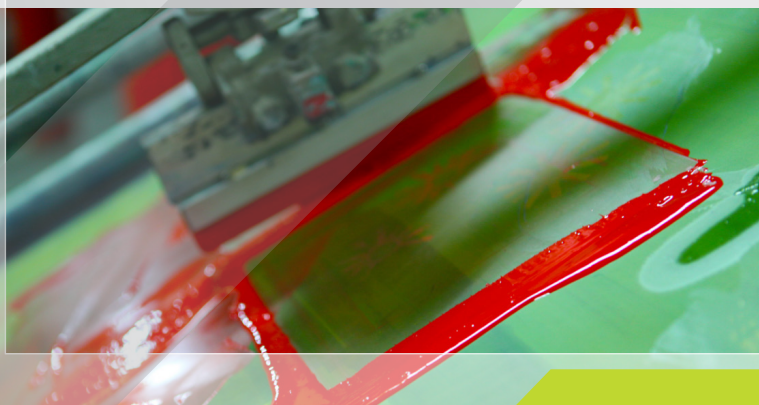
- Compact footprint and water-cooling eliminate overheating issues
- Addressability allows for flexible bottle formats and scaling
- Instant usability with no warm-up or cool-down delays
- Easy maintenance and field serviceability
- Exceptional reliability and energy efficiency

RECOMMENDATION

David highly recommends IST's LED curing system to others in the industry — particularly businesses involved in screen printing or manufacturing domestic and industrial cleaning products. The combination of robust product performance, industry-leading expertise, and top-tier service makes IST INTECH a dependable technology partner.

FINAL THOUGHTS

"The overall experience has been outstanding," says David. "Everything was handled professionally and efficiently from the first enquiry to installation. Having someone on-site to discuss options, the ability to run trials, and a quick, smooth installation all added to a really positive project. The integration was flawless, and we're delighted with the results."

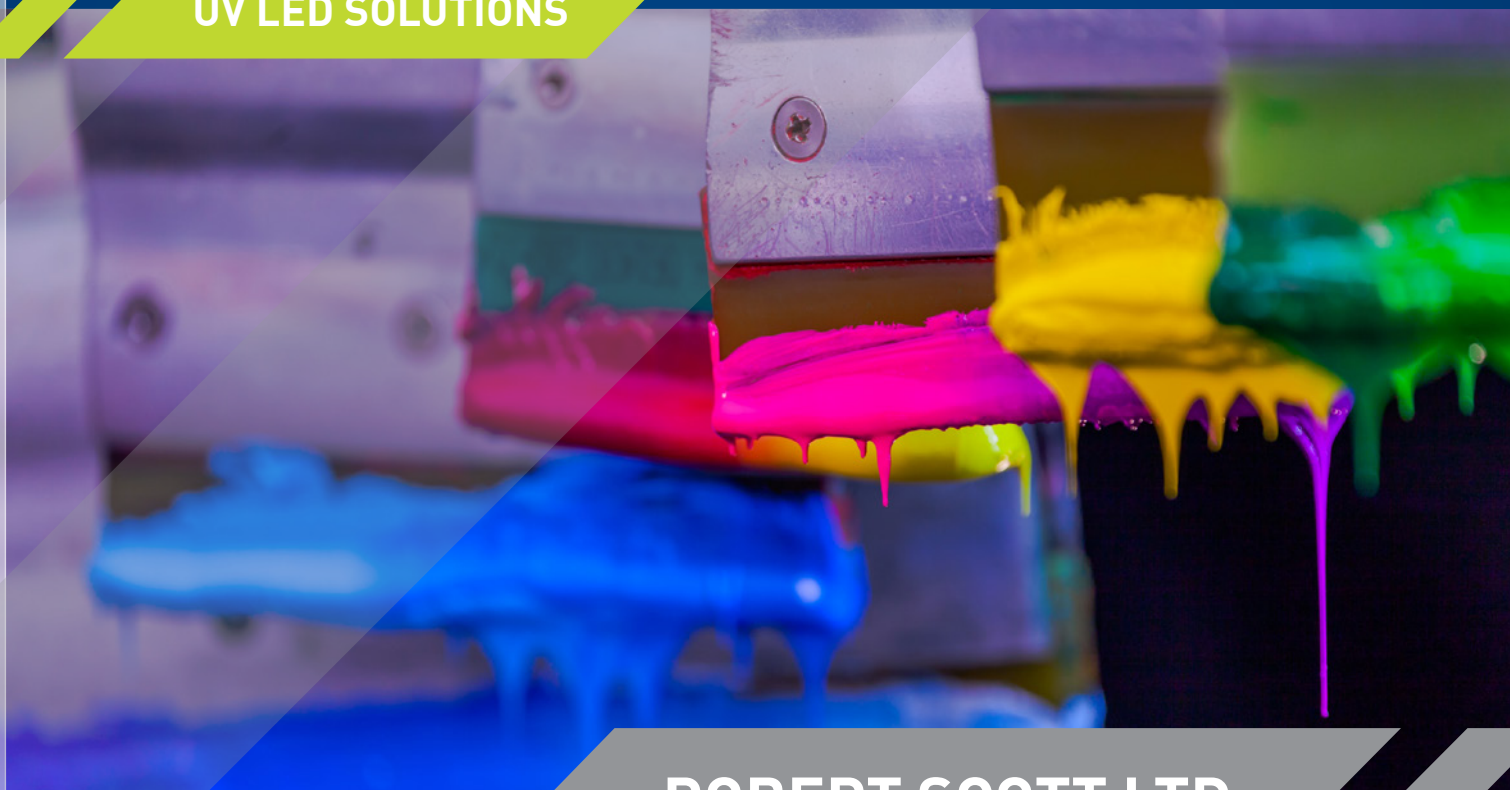




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