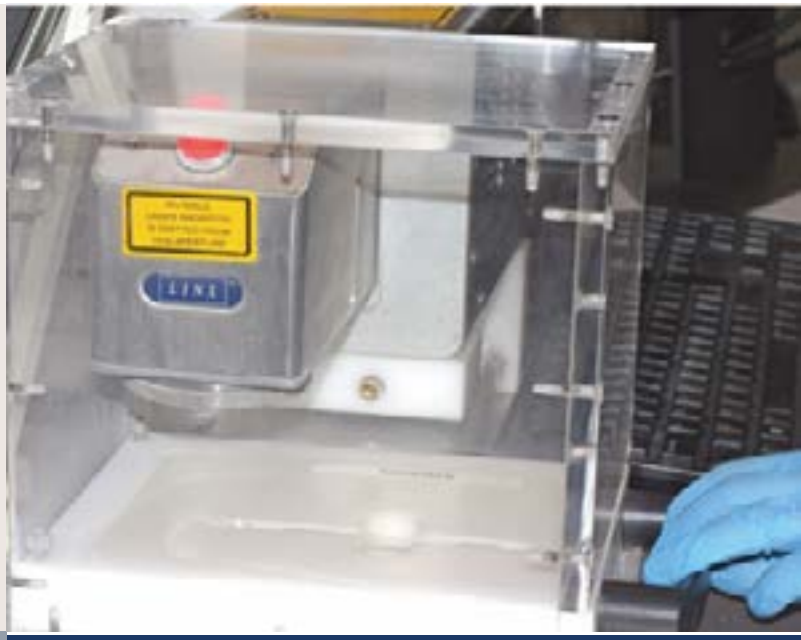
Case Study

ION Science

Industry:
Gase Detection technology

Substrate:
Glass PID lamps

Printer:
Linx CSL30 laser





Overview

ION Science, a leading manufacturer of technologically advanced gas detection equipment and OEM photoionisation detection (PID) gas sensors, needed to increase production speed to meet growing demand for its glass lamps. The existing process required each lamp to be positioned, laser marked and removed individually. Linx developed a bespoke turntable and safeguarding solution around the Linx CSL30 laser coder, enabling multiple lamps to be processed and increasing the coding rate by 4–5 times.



The Challenge

ION Science has worked with Linx Printing Technologies since 2012. As the business expanded and demand for its products increased, the company needed to accelerate the process of permanently marking information onto the glass lamps used in its sensors and instruments for detecting volatile organic compounds (VOCs).



> “The turntable solution has significantly transformed the production of etching onto our (PID) lamps which has dramatically enhanced our productivity”
>
> **Brian Carmichael, ION Science**

Results

- A 4–5 times faster lamp coding rate
- Significantly increased production output
- Enhanced productivity and notable cost savings
- Greater capacity to meet demand and support growth plans
- Clean, permanent codes with no coding consumables

The Linx Solution

After assessing the application and production requirements, Linx developed a bespoke turntable-based laser coding solution designed specifically for ION Science’s glass PID lamps. The system incorporated the Linx CSL30 30-watt CO_2 laser coder, alongside a purpose-built turntable and laser safeguarding enclosure. This configuration allowed multiple glass lamps to be positioned for coding, reducing the need for repetitive manual handling and enabling a significantly faster production cycle.

Conclusion

As demand for its gas detection products increased, ION Science needed a faster and more efficient way to mark its glass PID lamps. By integrating the Linx CSL30 30-watt CO_2 laser coder with a bespoke turntable and purpose-built safeguarding system, Linx helped ION Science increase its glass lamp coding speed by 4–5 times.

Get in touch with your local Linx expert to explore a solution tailored to your business.

LINX Thinking Along Your Lines.

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