

LIGHTWAVE UPDATES



MONTHLY INSIGHTS

OCTOBER | 2025

ELMORE FIELD DAYS!

The Lightwave team recently attended the Elmore Field Days, and it was fantastic to connect with so many people from both the agricultural and construction industries! We were fortunate with great weather throughout the event, which helped draw strong crowds over the three days.

Our JackJaw and Metsys laser range attracted plenty of attention, with several product lines almost selling out! Overall, it was a highly successful event, and we're already looking forward to returning next year.



THE ROLE OF METROLOGY

Ever wondered how engineers ensure that every car part fits perfectly, every medical device functions safely, and every building is built to spec? The answer lies in metrology, the science of measurement.

Metrology is essential for accuracy, reliability and quality across industries like manufacturing, engineering, defence and aerospace. It allows products to be recreated, improved and verified even without a CAD drawing.

At Lightwave Technology, we provide advanced measurement solutions that enable this precision, helping our clients achieve consistency, safety, and excellence in their products and projects.

Check out our latest video on social media to see how metrology shapes the world around us

[WATCH VIDEO >>](#)

Astemo
Mobility Beyond



CUSTOMER REVIEW!

ASTEMO'S JOURNEY WITH METROLOG X4

Astemo Americas is enhancing its quality control capabilities with Metrolog X4, leveraging the 20 years of metrology expertise provided by team member David.

A global leader in advanced mobility solutions, Astemo continues to drive innovation in electrification, autonomous driving, and advanced chassis systems, shaping a more sustainable and connected future of mobility

At the end of 2024, Astemo Americas (formerly Hitachi Astemo Americas) began deploying Metrolog X4 across its inspection operations, a strategic move aimed at unifying measurement processes and enhancing efficiency.

Operating in industries where precision is critical, such as automotive stamping and electric motor components, Astemo adopted Metrolog X4 to manage its diverse range of CMMs and scanners on a single, standardised platform.

"In my previous position, Metrolog X4 allowed us to standardise our entire metrology department, regardless of the equipment used. Its simplicity, compatibility, and support make it indispensable, and I'm confident it will bring the same value to Astemo." - David, Metrology Expert

Make Stake Removal Effortless with JackJaw

For over 14 years, JackJaw has been making tough jobs easier. Unlike traditional methods that can bend stakes or strain operators, JackJaw's patent-pending jaw and lever mechanism delivers smooth, controlled extractions with minimal effort.

Built from heavy-duty, case-hardened steel and corrosion-resistant materials, JackJaw tools are engineered for durability, delivering thousands of reliable pulls even in the harshest conditions. By multiplying force, they make every extraction faster, safer, and more cost-effective, helping you work smarter, not harder.

With a wide range of models and sizes and exceptional customer support, JackJaw is committed to providing the perfect fit for your next project!



[Check out this Video!](#)

A New Chapter in 3D Scanning: The NimbleTrack Gen 2

3D scanning has come a long way from bulky, tethered setups to lightweight, wireless systems that move with you. The **NimbleTrack Gen 2**, the latest innovation from Scanology, represents that next step forward.

Engineering for industries where mobility and precision go hand in hand, the Gen 2 offers a fully wireless optical tracking system; no cables, no markers, no boundaries. Both the tracker and scanner run on battery power, giving operators complete freedom to move around large parts or confined spaces without setup limitations.

What makes the NimbleTrack Gen 2 remarkable isn't just its convenience, but its capability. It can capture up to 6.63 million measurements per second with accuracy down to 0.025mm, all while maintaining a tracking range of over 4 metres. Whether it's an aircraft fuselage, a precision mould or a complex mechanical component, the Gen 2 adapts seamlessly to different environments and scales.

Its ergonomic, lightweight design, just 1.3kg for the scanner, makes long sessions manageable, while new scan modes like 'hyper-fine' and 'deep-hole' scanning ensure no detail is missed. These refinements make the Gen 2 not just a tool, but a practical partner for engineers, manufacturers and quality specialists who need reliable data on the move.

After years of incremental innovation, the NimbleTrack Gen 2 feels like a lead, a system that blends metrology-grade performance with the freedom of true mobility.

It's a glimpse into what the future of 3D scanning looks like: faster, smarter and untethered.

