

LIGHTWAVE UPDATES

MAY INSIGHTS

MAY | 2025



BIGGEST MANUFACTURING EVENT OF THE YEAR!

Australian Manufacturing Week was a fantastic opportunity for Lightwave Technology to showcase our latest 3D measurement solutions to a wide audience of industry professionals. Our live demonstrations of cutting-edge tools like the Kreon Onyx Arm, LaserVision, NimbleTrack, KSCAN-X, and the ultra-compact API iLT Laser Tracker attracted strong interest from sectors including defence, automotive, and advanced manufacturing.

We were proud to represent innovation and precision in a space filled with over 400 exhibitors, and it was especially rewarding to engage with curious university students and emerging professionals. A special highlight was presenting Aligned Vision's laser projection systems, bringing accuracy and automation to modern manufacturing. Thank you to everyone who visited our booth!

SCAN TO VIEW VIDEO



WORLD METROLOGY DAY!



Every year on May 20th, we celebrate World Metrology Day, marking the anniversary of the signing of the Metre Convention in 1875. Interestingly, the original definition of a metre was based on the Earth itself, one ten-millionth of the distance from the North Pole to the equator through Paris. Our planet was once the ultimate measuring stick!

Metrology in the Modern World

Today, metrology has evolved far beyond the lab. It's now an essential part of modern manufacturing, embedded in engineering design, quality assurance, and automated production processes. This evolution calls for smarter, more integrated solutions that uphold the highest precision standards.

Our Commitment at Lightwave

At Lightwave Technology, we're proud to support the next generation of metrology. We're committed to delivering high-accuracy, metrology-grade 3D measurement solutions that meet the demands of Industry 4.0. As technology continues to transform how we measure and manufacture, our focus remains on precision, reliability, and innovation.



ADVANCED 3D SOLUTIONS IN NEW ZEALAND

Based in Mt. Maunganui, 3Design Ltd is a leading 3D printing bureau supporting various industries including automotive, aerospace, medical devices, and agritech. With in-house production capabilities powered by the HP Multi Jet Fusion 4200 system, 3Design delivers high-quality one-off prints and scalable batch runs of 1,000+ parts, all with fast turnaround times and value-added service.

What sets 3Design apart is its deep expertise in 3D scanning. As a trusted equipment reseller for Lightwave Technology in New Zealand, they specialise in cutting-edge 3D scanning hardware and software. With over 15 years of hands-on experience, their team are go-to experts in scan-to-CAD inspection and reverse engineering, particularly valuable when dealing with complex geometries that defy traditional measurement methods.

We're proud to partner with 3Design as they continue to deliver smart, end-to-end solutions that combine the best of 3D scanning and additive manufacturing to the New Zealand market.



3DESIGN

MANUFACTURE 	DRONES 
MEDICAL DEVICE 	AUTOMOTIVE 

**WHERE 3D SCANNING
MEETS ADDITIVE
MANUFACTURING**

PRODUCT SPOTLIGHT **API iLT** LASER TRACKER

Compact. Powerful. Precise

The API iLT is redefining portable metrology as the smallest, lightest, and most affordable laser tracker on the market. With wireless connectivity, up to 8 hours of battery life, and high-precision measurement across a 25–80 meter range, it's built for demanding industrial environments, from aerospace to defence. If your business needs a fast, cable-free 3D measurement solution, get in touch.

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