December, 2025

LIGHTWAVE UPDATES

ISO 9001 Certified Management System

WHEN YOUR OBJECT CAN'T MOVE – 3DEVOK MOVES WITH YOU

Whether you're working onsite, outdoors or in a tight workspace, the 3DeVOKE MT is built to go wherever your project takes you. This professional-grade 3D scanner combines precision, speed and portability, delivering up to 0.04mm accuracy and 0.05mm resolution, so you can capture even fine surface details reliably.

It's also highly adaptable: you don't need targets or markers for most scans, alignment is flexible (hybrid, texture or geometry-based), and scanning can proceed at up to 4.5 million points per second with a frame rate up to 70 FPS, meaning you get stable, high-quality scans quickly.

Combine that with its compact size and light weight, and the MT becomes a powerful on-the-go solution for 3D measurement, reverse engineering, art digitisation, 3D printing prep, research or archival work, even when moving the object itself isn't an option.

If you'd like to learn more about the 3DeVOK MT or discuss your application, feel free to get in touch with our team.

Kreon

ONYX ARM NEW SPECIFICATIONS

The Onyx Measuring Arm has been improved for greater precision, remaining at the forefront of technology and among the best portable CMMs in the world.

With or without a scanner, users can inspect all their parts with increased efficiency and reliability, with complete peace of mind, while maintaining total confidence in their measurement resultes.

DISCOVER THE NEW SPECIFICATIONS OF THE ONYX ARM:

TECHNICAL SPECIFICATIONS

	Arm Model	Working Volume	E_{UNI}*	p_{SIZE}*	p_{FORM}*	L_{DIA}*	SPAT*
7 AXIS	Onyx-7-20	2 m	0.025 → 0.024 mm	0.010 mm	0.018 mm	0.040 mm	0.020 → 0.018 mm
	Onyx-7-25	2.5 m	0.028 → 0.027 mm	0.011 mm	0.021 mm	0.044 mm	0.023 → 0.020 mm
	Onyx-7-30	3 m	0.050 → 0.043 mm	0.016 mm	0.028 mm	0.072 mm	0.035 → 0.032 mm
	Onyx-7-35	3.5 m	0.061 → 0.053 mm	0.020 mm	0.035 mm	0.087 mm	0.043 mm
	Onyx-7-40	4 m	0.074 → 0.068 mm	0.025 mm	0.040 mm	0.102 mm	0.052 mm
	Onyx-7-45	4.5 m	0.100 mm	0.038 mm	0.049 mm	0.110 mm	0.065 mm
	Onyx-7-50	5 m	0.120 mm	0.052 mm	0.062 mm	0.125 mm	0.089 mm
6 AXIS	Onyx-6-20	2 m	0.024 → 0.023 mm	0.007 mm	0.015 mm	0.030 mm	0.017 → 0.016 mm
	Onyx-6-25	2.5 m	0.026 mm	0.008 mm	0.016 mm	0.032 mm	0.019 → 0.018 mm
	Onyx-6-30	3 m	0.038 mm	0.012 mm	0.022 mm	0.046 mm	0.028 → 0.027 mm
	Onyx-6-35	3.5 m	0.051 mm	0.015 mm	0.030 mm	0.062 mm	0.035 mm
	Onyx-6-40	4 m	0.062 mm	0.020 mm	0.036 mm	0.078 mm	0.042 mm
	Onyx-6-45	4.5 m	0.072 mm	0.024 mm	0.041 mm	0.090 mm	0.057 mm
	Onyx-6-50	5 m	0.100 mm	0.029 mm	0.049 mm	0.102 mm	0.072 mm

Choose ONYX 7-AXIS for ergonomic scanning

Choose a 7-axis arm for easy, effortless scanning thanks to its handle and ergonomic design. KREON 7-axis brings more flexibility to properly handle the scanner.

Choose ONYX 6-AXIS for ergonomic scanning

Kreon Onyx 6-axis is made for accuracy. It is mainly used for probing operations with high requirements.

WHY INVEST IN USER FRIENDLY 3D METROLOGY SOFTWARE

Working in the metrology industry presents unique challenges, particularly as global manufacturing demands faster production and higher precision. That's why investing in a user-friendly 3D metrology software solution is crucial; it enables teams to collaborate, measure, and deliver results efficiently, regardless of their location.

Common Challenges
Some software still slows users down with:

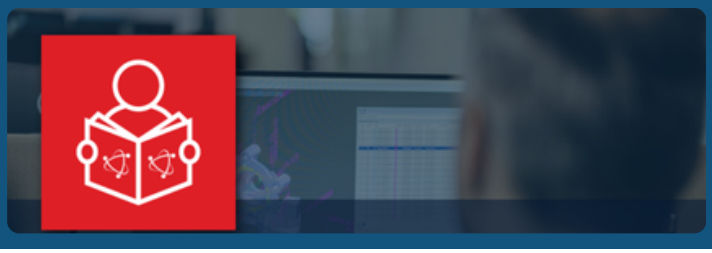
- Limited visual representation of devices and measurements
- Dependence on a single programming language (like DMIS)
- Overreliance on numerical data and spreadsheets
- Too many clicks to complete simple functions
- Little flexibility for specific workflows or regions

What Makes Software Truly User-Friendly
A great 3D metrology solution should be:

- Visual: 3D interfaces make data interpretation fast and intuitive.
- Universal: Compatible with a wide range of devices, brands, and formats.
- Efficient: Fewer clicks and more shortcuts for smoother operation.
- Customisable: Tailored settings that adapt to each user's needs.
- Up-to-date: Support for the latest CAD formats and standards.

Choosing a solution that prioritises usability empowers metrologists to focus on what truly matters: accurate results and greater productivity.

At Lightwave Technology, we're committed to providing our customers with efficient, intuitive, and reliable 3D metrology solutions that help you measure smarter and work faster.



LOOKING BACK, MOVING FORWARD

As 2025 draws to a close, we're taking a moment to reflect on a year of progress and connection at Lightwave Technology.

From showcasing our products and solutions at AMW, Elmore, and Henty, to launching our YouTube and TikTok channels, this year has been about bringing our expertise closer to customers through live demonstrations, shared knowledge, and real-world applications.

We also completed our ISO 9001 annual audit, reaffirming our focus on consistent quality and continuous improvement across everything we do.

Looking ahead, our team is already planning a full calendar of events, training sessions, and product updates for 2026, and we can't wait to share what's next.

Thank you for being part of our journey.
Wishing you a joyful and safe Christmas from all of us at Lightwave Technology.

FROM FRAME TO GLASS: 3D SCANNING APPLICATIONS IN MARINE MANUFACTURING

Using the NimbleTrack Gen2 portable 3D scanner, we precisely captured the surface geometry of a boat's window frame to generate a high-resolution digital model.

The resulting data enables CAD-based fabrication of replacement glass, ensuring dimensional accuracy, optimal fit, and reduced rework in marine refurbishment projects.