X3000 – The world's first dual view 3D measurement videoscope

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X3000 3D Measurement Videoscope

- Patented Dual-Lens Measurement
- High-Definition 3D Reconstruction
- Easy & Fast Measurement Data Capture
- Rear-Mounted Fiber Optic LED

Product Appearance

- **7" Touchscreen** – Full-screen, full-size 3D model display for an immersive inspection experience.

- **360˚   Articulation Probe** – Fully interchangeable, providing unmatched flexibility.

- **Detachable & Rechargeable Battery** – Ensures continuous operation for extended inspections.

- **Versatile Design** – Use it handheld or standalone, adapting to any work environment.

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Dual-Lens Measurement

- The innovative dual-lens design allows you to capture multiple viewing angles without changing probes.

- The front camera provides deep inspection, while the side camera offers lateral observation.

- Combined with 3D measurement, this ensures accurate and comprehensive data collection, reducing errors and rework costs.

High-Definition 3D Reconstruction

High-resolution 3D reconstruction technology, making it easier and more precise than ever to select measurement points. You can inspect details from multiple angles, ensuring every measurement is accurate and reliable.
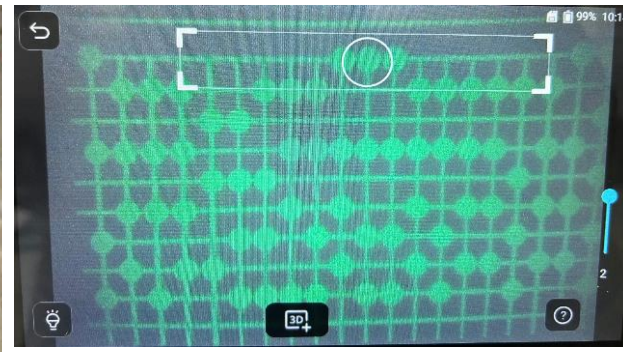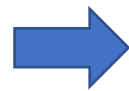
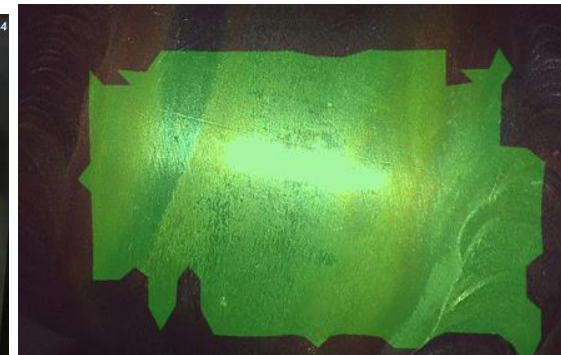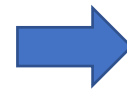**Mitcorp**

Easy & Fast Measurement Data Capture

In simple 3 steps, you can generate a detailed 3D reconstruction without any complex setup or tedious procedures. Simply capture and process in less than 10 seconds.
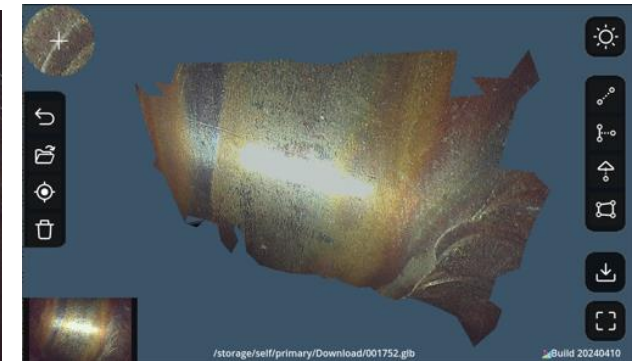

Live view → Step1: 3D focus → Step 2: Success Area Evaluation → Step3: 3D reconstruction
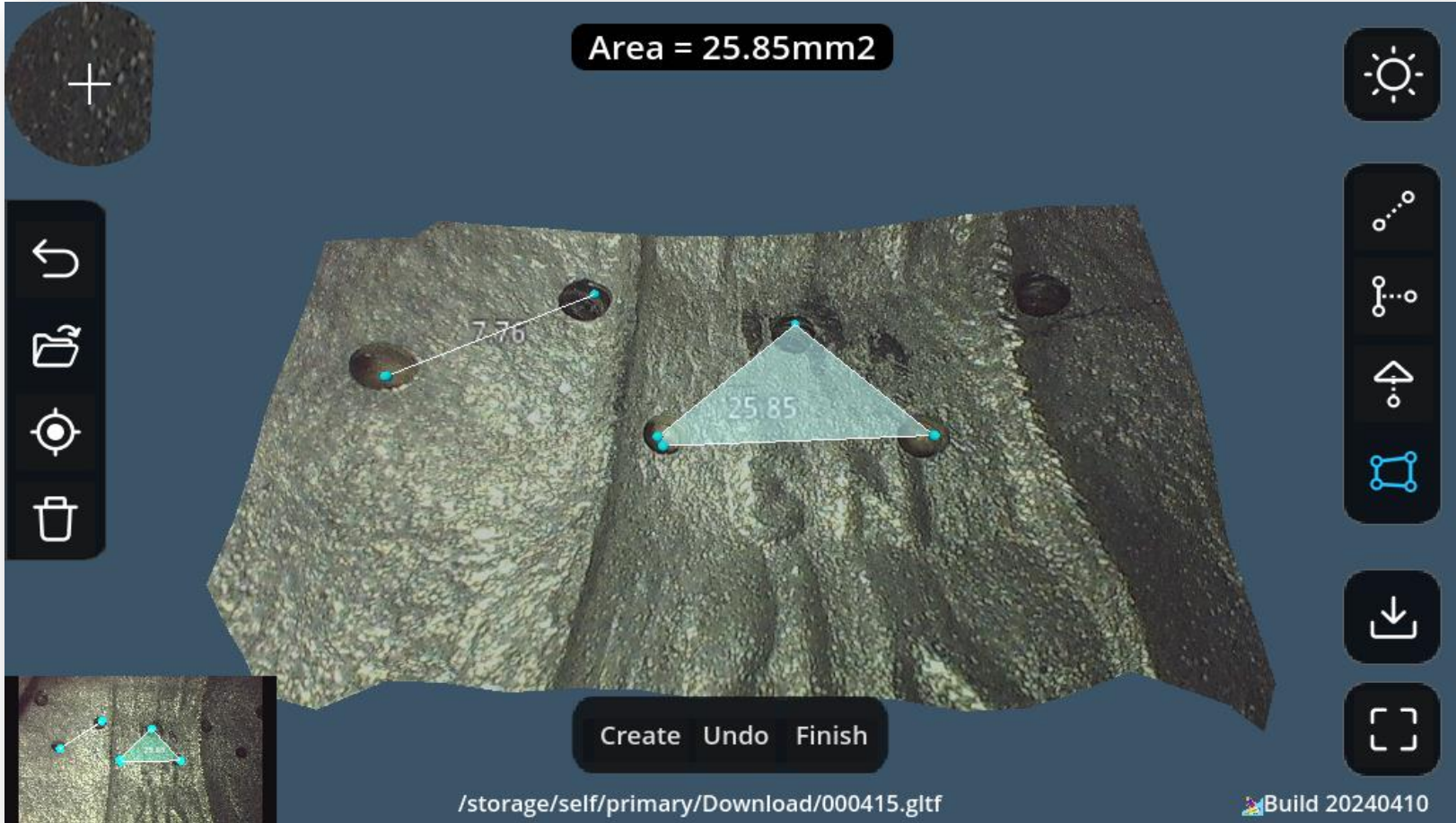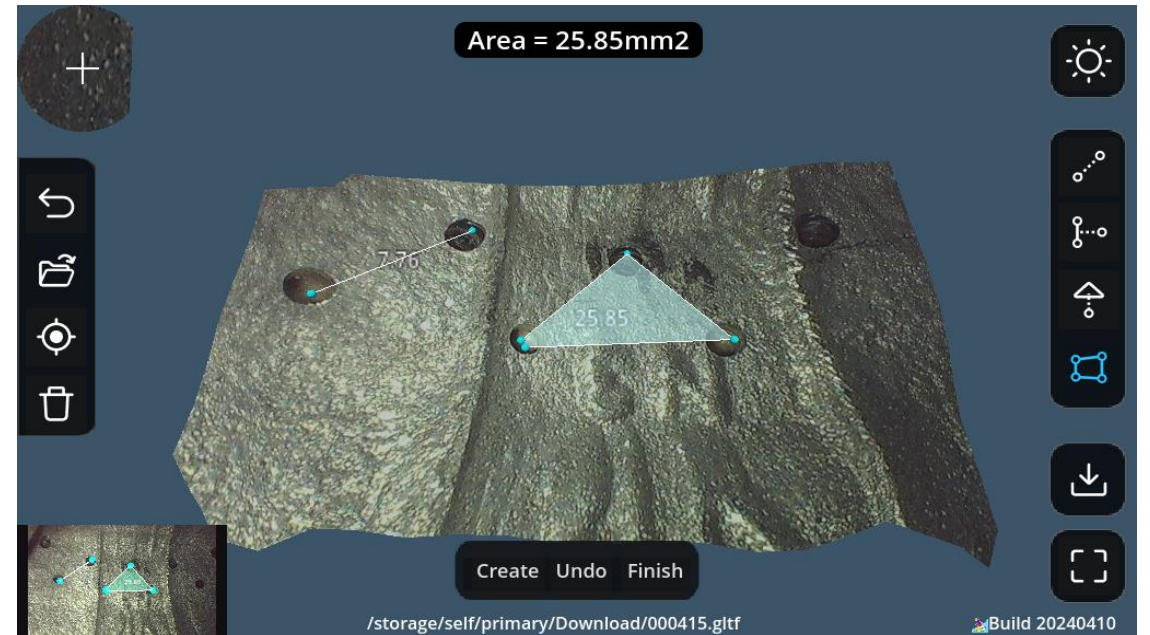
Flexible 3D Measurement Functions & Interface

Supports various measurement modes: Length, Point-to-line, Depth, Area and Protractor.

Exceptional Image Quality

- Comprehensive image adjustments:

  Brightness, Saturation, Contrast, White-balance, and Negative mode.

- 3D reconstruction quality comparable to 2D imaging, ensuring high-detail visualization.

Specification

Device	
Dimension	L:355 W:216 H:214 (mm)
Weight	2,200 g
Waterproof	IP 54
Display	7" Touchscreen
I / O Port	Power button
	Micro SD memory card slot
	USB Type-C (data transmission)
	Micro-HDMI (AV output)
	Reset button (pin push)
Tip Temperature warning	Low / Middle / High warning on screen display
Power indicator	0 ~ 100% indicator on screen display
Microphone	Built-in (on / off switch by setting menu)
Memory media	External Micro-SD card. Up to 128 GB
Compatible probes	60D4W-FSM-3M-TU-M / X3000
Battery	
Dimension	L:125 W:114 H:58 (mm)
Weight	520 g
Charging time	4.7-4.33hrs (2.5A-3A) *Power adaptor: output 45W, 3A
Discharging time	Typical 3 hours operation
LED Indicators	Red:charging / Green:full charged / Flashing:Abnormal

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Specification

Probe	
Still Image resolution	Front & Side: 2560*1440
Video record resolution	Front & Side: 1920x1080
View angle	Front (0°) + Side (90°)
Tip length	25 mm
Outside Diameter (OD)	6 mm
Probe Length	3 m
Probe Construction	Tungsten steel out-braid
Field of View (FOV)	95° ±5%
Depth of Field (DOF)	10 mm~∞
Tip Construction	Stainless steel housing. Front + Side 2 pairs: camera / light source / micro projector integrated packing
Illumination light source	Front: Fiber + backend LED. Side: LED on tip
Articulation	Full way mechanic joystick with lock button
Neck bending angle	<= 135°
Console Function Buttons	Trigger: snapshot / freeze / record; Round button: bright+ / bright- / custom hotkey
Waterproof	Camera tip: IP67 Device: IP54
Temperature resistant	Up to 100 °C

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Specification

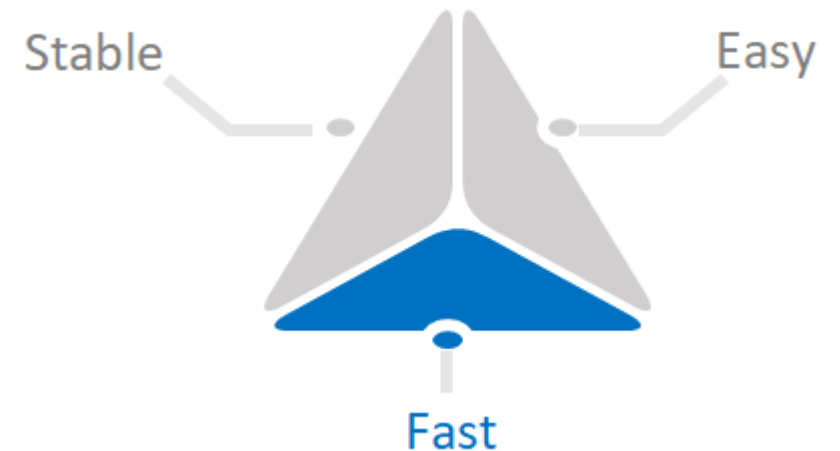| Regulatory	
Basic safety	CE / FCC
EMC	EN55032 / 24 , part 15B(ITE)
Environmental	WEEE / RoHS/REACH / CA65 / Conflict Minerals
Battery	UN38.3 (1.2M drop / 3M stacking / test summary)、 PSE、IEC62133、BSMI、CCC
Operating Environment	
System Operating Temperature	0°C ~ 40°C with AC adapter
Tip Operating Temperature	-10°C ~ 100°C in air 10-30°C in water
Storage Temperature	0°C ~ 60°C
Battery Charging Temperature	0°C ~ 45°C
Package / Accessories	
HDMI cable (AV-out)	1.5m, HDMI 1.4a,TYPE A to TYPE D (Micro HDMI)
USB cable (data transfer)	1m, type C to type A
Carry case	Airtight trolley case
Micro SD card	Maximum 128G
User manual	English / Traditional Chinese
Battery	DC output 7.8V, 9800mAh*1
DC power adapter	USB PD 45W with Cable
Rigid sleeve	Detachable hand grip*1 45 cm stainless steel extension poles*2
Centering Devices (Optional)	O.D.: 18 mm*1 ; 38 mm*1 ; 65 mm*1

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X3000 Advantages - Stable

- Instant measurement data capture – no need for static waiting time.

- Superior image clarity for accurate analysis.

- Rear-mounted fiber optic LED for stable, high-intensity illumination.

- Rugged, all-weather chassis, built for demanding environments.

Stable

Easy

Fast

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X3000 Advantages - Fast

- 3D model built in just 10 seconds for rapid analysis.

- Streamlined, user-friendly interface for effortless operation.

Stable   Easy

Fast

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X3000 Advantages - Easy

- World's First Dual-Lens, Dual-Measurement Design.

- Instant access to multiple measurement modes with dual-lens.

- Full-screen, full-size 3D model display for enhanced visualization.

- Intuitive 3D point selection, simplifying complex measurements.

Stable

Easy

Fast

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The Next Generation of 3D Measurement Industrial Videoscopes!

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