RECORDING GUIDELINES

FOR PERFECT 3D PRODUCT CAPTURE

TWINITY

Scan. Shape. Sell.

THE GOAL
Perfect capture for 3D modelling

This guide helps you to capture your product in the best possible way for an accurate 3D reconstruction.
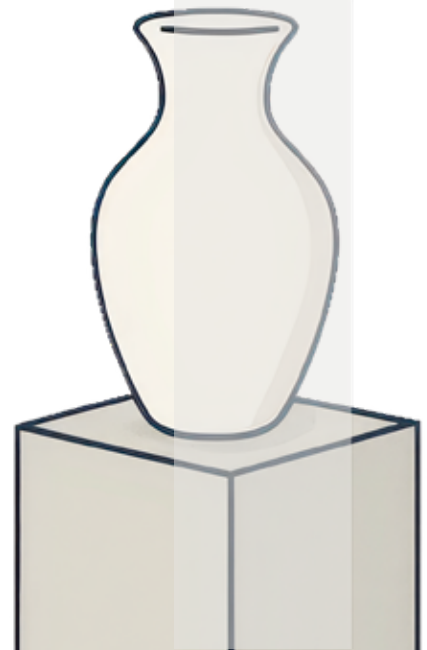
What do you need?

- Smartphone, Photo Camera, or Video Camera
- Place the product at height (on a pedestal or glass plate to also capture the underside)

Important before you start!

- Maximum of 3 minutes video OR 300 pictures
- Ensure soft and even lighting without harsh shadows
- No sudden movements but slow and steady recording.
- Record directly in native .mp4 (video) or .PNG / .JPG (photo) formats to avoid unnecessary time loss due to file conversion.

STEP 1.

Record from three heights

Record around the product from three different heights: low, medium, and high.

Always try to keep the product fully in view in your first pass before zooming in and don't forget to record the top.

STEP 2.

Use background with contrast

Use a background with plenty of structure and contrast to help the AI track the product better.

Avoid empty walls. Glass or reflective objects are allowed.

STEP 3.
Use correct camera settings

Resolution: As high as possible (4K+)
FPS: 50 or 60 fps
ISO: Max 800
Aperture: f/8 or higher for minimal depth of field
Lens: Standard or light wide angle (keep lines straight, minimal lens deformation)

✓ **Avoid shallow depth of field**

✓ **Cluttered scene preferred**

✓ **Glass & Glossy objects are OK.**

DO'S AND DONT'S

✅ **Ensure there is sufficient contrast**

✅ **Show as much of the environment as possible**

✅ **Minimize depth of field**

❌ **Use smooth uniform backgrounds**

❌ **Avoid objects blocking the product**

❌ **Have little contrast when zooming in**