

Meshroom 2025 workflow

CAD-032 / REV A / 2026.09.01

Preserve the record title but document the actual installed Meshroom build; “2025” is not a substitute for a verified release number.

STATUS	Starting Point
CLASSIFICATION	CAD
MATERIAL	CAD / AUTOMATION
DISPOSITION	PUBLIC / STARTING POINT
CATEGORY	CAD / Scanning / Automation
RECORD TYPE	how-to

GOAL

Run the first test described in this guide and record the result for meshroom 2025 workflow.

SOURCE STATE

New reference guidance; not a recovered test result

EQUIPMENT

- Scanner / mesh workflow
- Representative test model
- Measurement or inspection method

METHOD / STEPS

1. Check that the installed build and its AliceVision dependencies support the computer and GPU. Keep a writable cache location with sufficient space.
2. Import a sharp overlapping image set, save the project and run initial camera alignment.
3. Inspect disconnected cameras and components before dense reconstruction. Fix poor image coverage instead of blindly raising quality settings.
4. Run meshing/texturing, inspect the result and export it with an explicit scale established from measured references.

THINGS TO WATCH FOR

A capable NVIDIA card still needs compatible software/drivers. More photos do not fix blur or a moving subject. Dense reconstruction can consume considerable disk and memory.

FIRST TEST / WHAT TO RECORD

The saved project reproduces a connected model with checked dimensions and no unexplained missing region.

RESULT / WHERE THIS STANDS

The saved project reproduces a connected model with checked dimensions and no unexplained missing region.

TROUBLESHOOTING

- A capable NVIDIA card still needs compatible software/drivers. More photos do not fix blur or a moving subject. Dense reconstruction can consume considerable disk and memory.

SPECIFICATION

TOOL PATH	Scanner / mesh workflow
DELIVERABLE	HOW-TO
VALIDATION	Representative model / known dimension
STATUS	Starting Point

DEVELOPMENT HISTORY

2026.09.01 / Rev A

Imported as an independent manifest record; public copy keeps uncertainty visible.

REFERENCE NOTES

Meshroom acquisition/processing reference
(<https://meshroom-manual.readthedocs.io/en/latest/tutorials/sketchfab/sketchfab.html>).

HOW-TO SOURCES

Meshroom acquisition/processing reference
<https://meshroom-manual.readthedocs.io/en/latest/tutorials/sketchfab/sketchfab.html>

RELEASED MATERIAL / SOURCE LINKS

cad-032-public-summary.txt

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-032-public-summary.txt>

RETURN TO THE LIVING RECORD

Meshroom 2025 workflow

This PDF preserves the public notes at this revision. Visit the record for updates and attached images.

<https://u225x.com/record/CAD-032>