

Custom CAD and scan-to-model service

CAD-070 / REV A / 2026.09.01

Use one intake-to-delivery workflow for customers who need a usable model from incomplete drawings, photographs or a physical part.

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

GOAL

Run the first test described in this guide and record the result for custom cad and scan-to-model service.

SOURCE STATE

New reference guidance; not a recovered test result

EQUIPMENT

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

METHOD / STEPS

1. Collect the intended use, required interfaces, source ownership and preferred deliverable formats.
2. Classify each feature as measured, scanned, supplied or inferred.
3. Build the model around functional datums, then review uncertain features with the customer.
4. Deliver the approved revision with units, checked dimensions and an assumptions list; retain a clear change history.

THINGS TO WATCH FOR

Do not promise manufacturing readiness from photographs alone. Define whether native parametric modeling, drawings and fit trials are included in the scope.

FIRST TEST / WHAT TO RECORD

The customer can distinguish verified geometry from assumptions and use the delivered file in the intended downstream tool.

RESULT / WHERE THIS STANDS

The customer can distinguish verified geometry from assumptions and use the delivered file in the intended downstream tool.

TROUBLESHOOTING

- Do not promise manufacturing readiness from photographs alone. Define whether native parametric modeling, drawings and fit trials are included in the scope.

SPECIFICATION

TOOL PATH	Scanner / mesh workflow
DELIVERABLE	PROJECT
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.

RELEASED MATERIAL / SOURCE LINKS

[cad-070-public-summary.txt](#)

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-070-public-summary.txt>

RETURN TO THE LIVING RECORD

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

<https://u225x.com/record/CAD-070>