

Scan to CAD Field Workflow

EXP-0031 / REV A / 2026.08.20

The scan-to-CAD series treats scanning as a way to recover useful geometry, not a magic replacement for design intent. Planned notes cover lighting, overlap, top-and-bottom alignment, cleanup, scale recovery, reference geometry, and comparing the scan against a remodel.

STATUS	UNDER TEST
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CLASSIFICATION	EXP
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MATERIAL	MESH / CAD
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DISPOSITION	FIELD STUDY
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TECHNICAL NOTES

A practical scanning workflow for capturing usable shape, recovering scale, and remodeling what the mesh cannot explain.

SPECIFICATION

CAPTURE	Portable / phone-friendly
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TOOLS CONSIDERED	Creality Pika / MeshLab / Meshroom
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GOAL	Usable remodel geometry
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STATUS	Workflow testing
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DEVELOPMENT HISTORY

2026.08.20 / Rev A

Defined the shop-friendly scan, cleanup, and remodel sequence.

RELEASED MATERIAL / SOURCE LINKS

EXP-0031_capture-checklist.txt

CHECKLIST / 2 KB

Awaiting public upload.

CONNECTED RECORDS

MDL-0131

<https://u225x.com/record/MDL-0131>

OBJ-0063

<https://u225x.com/record/OBJ-0063>

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/EXP-0031>