

Creality Pika scanner purchase and workflow

CAD-019 / REV A / 2026.09.01

The scanner workflow prioritizes a usable shape, portable setup, top/bottom alignment, and practical shop conditions. Accuracy claims remain tied to the scanner, surface, lighting, and validation method actually used.

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

TECHNICAL NOTES

Creality Pika workflow notes, now connected to scan reconstruction examples and a scan-to-CAD reference case.

GOAL

Capture enough trustworthy geometry to support a remodel or inspection decision.

EQUIPMENT

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

METHOD / STEPS

1. Plan overlap and reference markers.
2. Control lighting and reflective surfaces.
3. Capture top and bottom with shared references.
4. Clean the mesh and recover scale.
5. Compare the remodel against the scan.

RESULT / WHERE THIS STANDS

The archive now includes reconstruction examples and a scan-to-CAD case study. Calibration logs and a measured accuracy comparison are still missing; completed mesh repair is not a scanner accuracy test.

TROUBLESHOOTING

- A visually correct model can still have bad units, references, or manufacturing intent.
- Keep source files and exported files distinct.
- When automation is involved, test a copy before changing a production directory.

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.

2026.10.10 / PROJECT UPDATE

Connected the newer project records: HOW-PIKA-001, MDL-ICE-SHOVEL-001, MDL-GNOME-001. Existing test limitations remain in place.

RELEASED MATERIAL / SOURCE LINKS

[cad-019-public-summary.txt](#)

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-019-public-summary.txt>

CONNECTED RECORDS

HOW-PIKA-001

<https://u225x.com/record/HOW-PIKA-001>

MDL-ICE-SHOVEL-001

<https://u225x.com/record/MDL-ICE-SHOVEL-001>

MDL-GNOME-001

<https://u225x.com/record/MDL-GNOME-001>

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-019>