

Reverse-engineering service

BIZ-011 / REV A / 2026.09.01

Reverse engineering reconstructs design intent from an existing object. A scan captures surfaces; dimensions and function determine the CAD model.

STATUS	Starting Point
CLASSIFICATION	BIZ
MATERIAL	WEB / CREATIVE
DISPOSITION	PUBLIC / STARTING POINT
CATEGORY	Website / Business / Creative
RECORD TYPE	project

GOAL

Run the first test described in this guide and record the result for reverse-engineering service.

SOURCE STATE

New reference guidance; not a recovered test result

METHOD / STEPS

1. Photograph and inspect the part, noting wear, damage, mating features and what must be preserved.
2. Measure critical datums, holes and fits independently; use scanning for shapes that benefit from dense surface data.
3. Build an editable model around the functional references. Decide with the customer whether to reproduce wear or infer the original geometry.
4. Deliver the agreed native/neutral files with a list of verified dimensions and any inferred features.

THINGS TO WATCH FOR

Do not claim a mesh-to-solid conversion recreates the original feature history. Missing surfaces, coating thickness and worn parts introduce uncertainty.

FIRST TEST / WHAT TO RECORD

Compare critical interfaces to measurements and review a fit prototype where practical.

RESULT / WHERE THIS STANDS

Compare critical interfaces to measurements and review a fit prototype where practical.

TROUBLESHOOTING

- Do not claim a mesh-to-solid conversion recreates the original feature history. Missing surfaces, coating thickness and worn parts introduce uncertainty.

SPECIFICATION

CATEGORY	Website / Business / Creative
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TYPE	PROJECT
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PUBLIC BOUNDARY	Safe summary only
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NEXT CHECK	Test the public workflow
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DEVELOPMENT HISTORY

2026.09.01 / Rev A

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

REFERENCE NOTES

DezignWorks reference (<https://dezignworks.com/probing/>).

HOW-TO SOURCES

DezignWorks reference

<https://dezignworks.com/probing/>

RELEASED MATERIAL / SOURCE LINKS

biz-011-public-summary.txt

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/biz-011-public-summary.txt>

RETURN TO THE LIVING RECORD

Reverse-engineering service

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

<https://u225x.com/record/BIZ-011>