

SVG import, emboss, and engraving workflow

CAD-010 / REV A / 2026.09.01

Use vector artwork as the starting geometry, then adapt it to the CAD application's supported formats.

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 svg import, emboss, and engraving workflow.

SOURCE STATE

New reference guidance; not a recovered test result

EQUIPMENT

- CAD / automation tool
- Representative test model
- Measurement or inspection method

METHOD / STEPS

1. Clean the SVG with CAD-009 and set an explicit real-world size.
2. Check the destination's current import list. If it cannot import SVG directly, convert clean paths to supported DXF/DWG geometry or use a CAD tool with an SVG importer.
3. Verify closed contours and the scale against a known dimension, then place the art on the intended face.
4. Extrude/add for embossing or subtract for engraving; print or machine a small detail sample before the full design.

THINGS TO WATCH FOR

Do not claim Shapr3D directly supports SVG unless its current format list says so. A 96-DPI or unit conversion mismatch can change size. Self-intersecting outlines often break extrusion.

FIRST TEST / WHAT TO RECORD

A reopened export has the same dimensions and all text counters remain open.

RESULT / WHERE THIS STANDS

A reopened export has the same dimensions and all text counters remain open.

TROUBLESHOOTING

- Do not claim Shapr3D directly supports SVG unless its current format list says so. A 96-DPI or unit conversion mismatch can change size. Self-intersecting outlines often break extrusion.

SPECIFICATION

TOOL PATH	CAD / automation tool
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

Shapr3D import/formats
(<https://support.shapr3d.com/hc/en-us/articles/7874523890076-Supported-file-types>), Official
inkscape-manuals.readthedocs.io reference
(<https://inkscape-manuals.readthedocs.io/en/latest/tracing-an-image.html>).

HOW-TO SOURCES

Shapr3D import/formats
<https://support.shapr3d.com/hc/en-us/articles/7874523890076-Supported-file-types>

Official inkscape-manuals.readthedocs.io reference
<https://inkscape-manuals.readthedocs.io/en/latest/tracing-an-image.html>

RELEASED MATERIAL / SOURCE LINKS

cad-010-public-summary.txt

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-010-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-010>