

Deepnest/SVGNest nesting concept

CAD-067 / REV A / 2026.09.01

Arrange parts efficiently while preserving manufacturing constraints that a geometry nest may not know.

STATUS Concept

CLASSIFICATION CAD

MATERIAL CAD / AUTOMATION

DISPOSITION PUBLIC / CONCEPT

CATEGORY CAD / Scanning / Automation

RECORD TYPE how-to

GOAL

Run the first test described in this guide and record the result for deepnest/svgnest nesting concept.

SOURCE STATE

New reference guidance; not a recovered test result

EQUIPMENT

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

METHOD / STEPS

1. Prepare clean closed outlines and confirm units using a known square.
2. Define stock boundaries, quantities, edge margins, part spacing and allowed rotations; preserve grain direction where required.
3. Run the nest and inspect small internal parts, shared edges and narrow scrap bridges.
4. Export, reopen in CAM and regenerate/review kerf compensation, leads and cut order separately.

THINGS TO WATCH FOR

A compact nest is not automatically machine-ready. Common-line cutting can change compensation and heat behavior. Conversions between DXF and SVG can change scale.

FIRST TEST / WHAT TO RECORD

Part counts, dimensions and process clearances survive export and the CAM review passes.

RESULT / WHERE THIS STANDS

Part counts, dimensions and process clearances survive export and the CAM review passes.

TROUBLESHOOTING

- A compact nest is not automatically machine-ready. Common-line cutting can change compensation and heat behavior. Conversions between DXF and SVG can change scale.

SPECIFICATION

TOOL PATH	CAD / automation tool
DELIVERABLE	HOW-TO
VALIDATION	Representative model / known dimension
STATUS	Concept

DEVELOPMENT HISTORY

2026.09.01 / Rev A

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

REFERENCE NOTES

Official deepnest.io reference (<https://deepnest.io/>), Official svgnest.com reference (<https://svgnest.com/>).

HOW-TO SOURCES

Official deepnest.io reference

<https://deepnest.io/>

Official svgnest.com reference

<https://svgnest.com/>

RELEASED MATERIAL / SOURCE LINKS

cad-067-public-summary.txt

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-067-public-summary.txt>

RETURN TO THE LIVING RECORD

Deepnest/SVGNest nesting concept

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

<https://u225x.com/record/CAD-067>