

Batch flat-pattern and DXF export

CAD-064 / REV A / 2026.09.01

Export each intended sheet-metal item once with verifiable geometry and a complete result log. Work on a copy first. Record application version, units and active document/configuration. Names below identify the catalogued workflow; they do not claim a particular button layout or verified implementation.

STATUS	Recovered/Partial
CLASSIFICATION	CAD
MATERIAL	CAD / AUTOMATION
DISPOSITION	PUBLIC / RECOVERED/PARTIAL
CATEGORY	CAD / Scanning / Automation
RECORD TYPE	how-to

TECHNICAL NOTES

Export each intended sheet-metal item once with verifiable geometry and a complete result log.

GOAL

Run the first test described in this guide and record the result for batch flat-pattern and dxf export.

SOURCE STATE

Operational reference/specification; original rule or add-in source not inspected

PREPARATION / NOTES

Work on a copy first. Record application version, units and active document/configuration. Names below identify the catalogued workflow; they do not claim a particular button layout or verified implementation.

EQUIPMENT

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

METHOD / STEPS

1. Enumerate parts, configurations and sheet-metal bodies; define duplicate and quantity handling.
2. Rebuild each eligible item, select its correct flat pattern and apply approved layer/orientation rules.
3. Create collision-safe filenames and export to a controlled destination.
4. Reopen representative outputs and record every item as exported, skipped with reason or failed with error.

THINGS TO WATCH FOR

A top-level batch success must not hide failed parts. Duplicate component instances are not automatically separate unique files. Do not overwrite a different body with the same name.

FIRST TEST / WHAT TO RECORD

The export manifest reconciles to the intended item list and includes no silent omissions.

RESULT / WHERE THIS STANDS

The export manifest reconciles to the intended item list and includes no silent omissions.

TROUBLESHOOTING

- A top-level batch success must not hide failed parts. Duplicate component instances are not automatically separate unique files. Do not overwrite a different body with the same name.

SPECIFICATION

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

DEVELOPMENT HISTORY

2026.09.01 / Rev A

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

REFERENCE NOTES

SOLIDWORKS API reference

(https://help.solidworks.com/2025/english/api/sldworksapi/create_and_flip_flat-pattern_view_of_sheet_metal_part_example_vb.htm).

HOW-TO SOURCES

SOLIDWORKS API reference

https://help.solidworks.com/2025/english/api/sldworksapi/create_and_flip_flat-pattern_view_of_sheet_metal_part_example_vb.htm

RELEASED MATERIAL / SOURCE LINKS

cad-064-public-summary.txt

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-064-public-summary.txt>

RETURN TO THE LIVING RECORD

Batch flat-pattern and DXF export

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

<https://u225x.com/record/CAD-064>