

Python export SolidWorks DXF

CHAT-0283 / REV EXPORT-03 / 2025.12.13

A conversation-specific public summary of python export solidworks dxf, distilled from the supplied export. The detailed excerpts remain available in the released note file.

STATUS	RECOVERED / SPECIFIC NOTE
CLASSIFICATION	SYS
MATERIAL	CHAT EXPORT / BUILD & TOOLS
DISPOSITION	PUBLIC CONVERSATION EXCERPTS / REDACTED
CATEGORY	Build & Tools
RECORD TYPE	build-thread

TECHNICAL NOTES

Conversation-specific knowledge extracted from the python export solidworks dxf discussion.

CONVERSATION / QUESTION AND CONTEXT

Can you write me a python code that would export a solidworks flat pattern to a dxf that is ready to cut on a flow waterjet

CONVERSATION / EXTRACTED GUIDANCE

1. Open a sheet-metal part (.sldprt)
2. Unsuppress the *Flat-Pattern* feature (if needed)
3. Export a 1:1 DXF using SOLIDWORKS' sheet-metal DXF/DWG export
4. Optionally write to a .dxf mapping INI (layers/colors) that many shops use to keep Flow / waterjet CAM clean
5. --
6. 1:1 scale (this export is 1:1)
7. Avoid exporting bend lines unless you actually want etch/mark layers
8. Prefer polylines/arcs over splines if your CAM struggles with splines

SPECIFICATION

SOURCE	Supplied ChatGPT export
CATEGORY	Build & Tools
CONVERSATION	1 user turns / 1 assistant turns
ATTACHMENTS	2 references detected
PUBLIC DETAIL	Extracted knowledge + excerpts

DEVELOPMENT HISTORY

2025.12.13 / EXPORT-04

Matched to the supplied export; key guidance is surfaced separately and the raw transcript remains unpublished.

RELEASED MATERIAL / SOURCE LINKS

CHAT-0283-public-note.txt

PUBLIC-SAFE CONVERSATION NOTE / UNIQUE FILE

<https://u225x.com/downloads/chat-records/CHAT-0283-public-note.txt>

RETURN TO THE LIVING RECORD

Python export SolidWorks DXF

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

<https://u225x.com/record/CHAT-0283>