

DXF Preparation Workflow

SYS-0026 / REV A / 2026.07.31

This workflow treats a DXF as a handoff that needs inspection, not just an export button. It covers unit conversion, duplicate detection, removal of non-cut geometry, consistent orientation, flat-pattern preparation, and a known-dimension check before the file moves on.

STATUS	STABLE
CLASSIFICATION	SYS
MATERIAL	DXF / SHEET METAL
DISPOSITION	REFERENCE WORKFLOW

TECHNICAL NOTES

A repeatable cleanup path for scaling, flattening, orienting, and checking manufacturing geometry before export.

SPECIFICATION

CONVERSIONS	Metric / inch cross-check
CLEANUP	Duplicate and construction geometry
ORIENTATION	Longest-edge convention
VERIFICATION	Known-dimension check

DEVELOPMENT HISTORY

2026.07.31 / Rev A

Consolidated the public-safe DXF preparation and verification steps.

RELEASED MATERIAL / SOURCE LINKS

SYS-0026_dxf-checklist.txt

CHECKLIST / 2 KB

Awaiting public upload.

CONNECTED RECORDS

SYS-0024

<https://u225x.com/record/SYS-0024>

DAT-0004

<https://u225x.com/record/DAT-0004>

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/SYS-0026>