

FlowPath lead-in troubleshooting

CAD-066 / REV A / 2026.09.01

Inspect contour integrity and which side of the profile the lead occupies before adjusting its length.

STATUS	Needs Retest
CLASSIFICATION	CAD
MATERIAL	CAD / AUTOMATION
DISPOSITION	PUBLIC / NEEDS RETEST
CATEGORY	CAD / Scanning / Automation
RECORD TYPE	how-to

GOAL

Run the first test described in this guide and record the result for flowpath lead-in troubleshooting.

SOURCE STATE

New reference guidance; not a recovered test result

EQUIPMENT

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

METHOD / STEPS

1. Import the DXF with verified units and inspect for open ends, duplicate lines and tiny segments.
2. Confirm closed contours and the intended inside/outside cut relationship.
3. Review start point, lead direction and available scrap space; reposition the lead if it crosses finished geometry or a neighboring part.
4. Regenerate and inspect the complete path, including internal-feature order and traverses, before transferring it through the shop's normal review.

THINGS TO WATCH FOR

A lead-in is not merely a cosmetic line. Piercing too near a finished edge or using the wrong contour direction can spoil the part. Do not guess a universal lead length for all thicknesses.

FIRST TEST / WHAT TO RECORD

The preview pierces in permitted waste material and never crosses a protected finished contour.

RESULT / WHERE THIS STANDS

The preview pierces in permitted waste material and never crosses a protected finished contour.

TROUBLESHOOTING

- A lead-in is not merely a cosmetic line. Piercing too near a finished edge or using the wrong contour direction can spoil the part. Do not guess a universal lead length for all thicknesses.

SPECIFICATION

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

DEVELOPMENT HISTORY

2026.09.01 / Rev A

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

REFERENCE NOTES

Official flowwaterjet.com reference (<https://www.flowwaterjet.com/waterjet-products/flowmaster>).

HOW-TO SOURCES

Official flowwaterjet.com reference

<https://www.flowwaterjet.com/waterjet-products/flowmaster>

RELEASED MATERIAL / SOURCE LINKS

cad-066-public-summary.txt

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-066-public-summary.txt>

RETURN TO THE LIVING RECORD

FlowPath lead-in troubleshooting

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

<https://u225x.com/record/CAD-066>