



Acceptable Machining Instructions and File Formats

Machining details can be submitted in 1 of 5 ways:

- 1) A drawing with machining sizes and locations clearly defined relative to the Polycase enclosure. This can be a computer generated drawing or hand drawn sketch submitted as a **.pdf** or image file (**.jpg, .png, .tiff**). See polycase.com for drawings and 3D models of all of our enclosures to use or reference.
- 2) A 2D CAD file with machining features shown and/or defined. See below for acceptable formats.

File Type	File Extension
AutoCAD Drawing (preferred)	.dwg, .dxf
Adobe PDF (must be scaled)	.pdf

- 3) A 3D CAD file with machining features shown and/or defined. See below for acceptable formats.

File Type	File Extension
STEP (preferred)	.step, .stp
AutoCAD 3D	.dwg
Parasolid	.x_t
IGES	.igs
SolidWorks	.sldprt, .sldasm

- 4) For simple machining work, clear written instructions can be provided and sent via email or .pdf.
- 5) Alternatively, a modified enclosure or PCB can be accepted. The cost typically ranges from \$150 to \$600. In rare occasions, the cost may extend above this range. The quote surfaces and features may change depending on the submitted components. We'll ask you to send all relevant components, including circuit boards, custom-machined enclosures, and panel mount connectors. Once we receive your items, we'll confirm the price and proceed with your custom order, returning your parts along with the completed enclosure.

During the fit-to-sample process, we will submit drawings for approval along with any additional notes or questions. You will need to confirm that all the features you believe are required are accounted for. You will also need to acknowledge any notes or questions. Please note that sometimes these sizes and locations will change after approval.

*At the time of order, Polycase will review all submitted details and files. For ease of manufacturing and to ensure compatibility with the manufacturing process, Polycase will generate its own production files. Drawings will be submitted to the customer for review and/or approval if necessary. **Please note:** Polycase production drawings will not be created until after an order has been placed.*