



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 .pdf drawings 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 .pdf.

5) Alternatively, a modified enclosure or PCB with all connectors affecting modification size can be accepted. Polycase will generate drawings from the sample provided. Polycase will fit the sample with the first production piece and make any necessary changes to the cutouts to ensure an appropriate fit. Polycase will then proceed with the production order. Note that clearance of cutouts around components will be included to accommodate tolerance in PCB components & machining, cutout corner radii, etc. If a very specific fit is required, Polycase recommends you provide a detailed drawing with the size/shape/location of the cutouts at the time of order and that a "Fit to Sample" not be performed. A "Fit to Sample" will incur an additional charge.

*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.*