

New Touch Industries will endeavor to produce your part to a high standard and within your required time-frame. To help us achieve this, please familiarise yourself with our source data guidelines to ensure an efficient production process.

File names are preferably titled with reference to your part/drawing number and release/revision level (if applicable). All files should clearly identify:

- Part name/number and description
- Part revision number/reference (if applicable)
- Material grade
- Material thickness
- Material type/finish
- Grain direction (if applicable)
- Reference dimension listed with the part scaled 1:1

2-Dimensional Cutting

Please supply DXF or DWG files. Files must be saved to AutoCAD release. The following versions are supported by New Touch Industries:

- R12 to R14
- 2000, 2004, 2007, 2010, 2013, 2016 and 2018

Please follow the below guidelines for 2-dimensional files:

- Fully exploded lines and arcs
- No blocks, polylines or splines
- Drawn in layer 1 with dimension/text and etch lines on a separate layer or in colour
- Data must be drawn at Z0 plane for 2D files
- Parts to be scaled 1:1

3-Dimensional Cutting

New Touch Industries' preferred file formats are SOLIDWORKS and STEP files. The following versions are supported by New Touch Industries:

SOLIDWORKS:

- .sldprt and .sldasm
- SW 98 to SW 2020

STEP:

- .stp and .step
- AP203, AP214 and AP242

3-dimensional data must clearly identify critical information pertaining to:

- inside/outside dimensions
- angles of transitions
- cones, rotary and 3-dimensional cutting/etching

Hardcopy drawing/PDFS

All hardcopy drawings must reference all dimensions in order to draw the part with all details listed in clear block letters. Part will be cut/folded/fabricated as per file provided.

Any variations or unclear/missing details will require written confirmation from the customer. This will ensure the part is processed correctly according to your requirements. Details that are unclear or missing will result in slowing the production of your parts.

Laser Engraving/Marking/Etching

Etching of part numbers or etch lines must be clearly identified on the part and are preferably drawn in a different color, layer or both.

Laser Marking - Annealing (Black Mark) or Etched (Engraved)

New Touch Industries' preferred file formats are vector formats such as PDF, EPS, AI (Adobe Illustrator) or CDR (CorelDraw). Non-vector PDF files, JPEG and BMP files can be accepted however this will incur additional programming charges.

All data formats must clearly state the font type, size and style with dimensions of the area to be marked. Our marking field is 600x300 with a maximum part size of approx. 600x400.

Bending/Folding

New Touch Industries' preferred file format for parts that require folding is 3-dimensional STEP files (see 3-Dimensional cutting for supported versions). 2-dimensional files can be accepted however this will incur additional programming charges.

Please be aware that bending tolerances can not be guaranteed if a 2-dimensional file is supplied.

You can distinguish the top side of your part by using the following colour:

HEX #99F9B6

R: 153

G: 249

B: 182

The inside radius of the bend should at least be equal to the material thickness.

Holes/cut-outs should be a safe distance away from the bend-line, to avoid distortion.

The above list of requirements is in no way exhaustive and New Touch Industries encourages you to provide as much detail as possible to ensure we can produce your part efficiently and accurately.