



## Preferred Source Data Guidelines For New Touch Laser Cutting Pty Ltd

All file names would preferably be titled with reference to your part/drawing number with reference to a release/revision level in the title. All files should clearly identify material grade, type/finish, thickness, quantity with a reference dimension listed with the part scaled 1:1.

### Electronic file formats-

#### 2Dimensional Cutting -

DXF file (2010) - Fully exploded lines and arcs, no blocks, polylines or splines preferably all drawn in layer 1 with dimension/text and etch lines on a separate layers. All data must be drawn at Z0 plane for 2d files. Parts to be scaled 1:1.

DWG/DWF files (2007) - must be saved to Autocad release 2007. Fully exploded lines and arcs, no blocks, polylines or splines preferably all drawn in layer 1 with dimension and etch lines on a separate layer. All data must be drawn at Z0 plane for 2d files. Parts to be scaled 1:1.

#### 3Dimensional Cutting -

All 3 dimensional data to clearly identify critical information pertaining to inside/outside dimensions, angles of transitions, cones, rotary and 3 dimensional cutting/etching. Preferred file formats are IGS and STEP files.

#### Laser Engraving/Marking/Etching -

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

#### Hardcopy drawing/PDFS -

All hardcopy drawings must reference all dimensions in order to draw the part with all details listed in clear block letters. All drawings/PDFS supplied will require a sign off from the customer before the commencement of production. 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 you parts.

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

When providing data for laser marking the preferred format would be a vector format EPS, AI (adobe Illustrator) or Corel Draw file. We can accept JPEGs and BMP however this is not preferred and will incur additional programming charges. All data formats must clearly state 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 600x500.

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**“The Professionals in Laser Cutting”**