



Sheet metal working in a competitive market

The sheet metal working industry combines cutting edge technology with expertise to produce superior metal components, quickly and effectively.

Many industries rely on sheet metal and the type and size of components produced varies greatly. What should you be looking for in a partner?

- Quality workmanship
- Cost control
- Ability to meet deadlines
- Design skill
- Technical know-how

1. Prototyping

With many benefits, don't be tempted to skip this stage.

Prototyping replicates working conditions to develop a proof of concept, allows you to test materials and make improvements, identify reductions in costs and manufacturing time.

2. CNC punching

CNC punching, with the right tooling, creates numerous apertures and shapes in one go while maintaining complete accuracy.

With access to a range of specialist tools, we can create components bespoke to you at the right price.

3. CNC bending

Also called 'folding' or 'forming', this process shapes sheet metal to a micron-level degree. Each bend is programmed with the sheet metal processed in one go, but with highly-accurate repeatability.

4. Finishing

The finishing stage takes care of practical as well as cosmetic concerns.

Finishing processes are varied and depend on the choice of metal and its end use, be it longevity, durability and exposure to the elements, resistance to electrical currents, or aesthetics.

5. Assembly

Assembly techniques must be selected carefully; consider functionality/end use, material of parts, and number of parts involved. Techniques include mechanical, crimping, welding and soldering.

Make the right choice when selecting a sheet metal company

Choose a partner for their quality, knowledge, technical know-how and a willingness to work to your timescales and an innovative approach. Want to find out more and chat about an upcoming project.

Visit: <https://alroys.com/sheet-metal-working-fast-to-market-components/>