

## **H1: Sheet metal punching**

Sheet metal punching – and getting it right – is essential to project success. At Alroys, we won't start a project until we're clear on its purpose and goals.

### **CNC hole punching – see the big picture first**

Focus on what the project must achieve, or you risk wasting important opportunities. Follow the brief, but always ask questions and challenge assumptions.

### **CNC punching and cost reduction**

Cost savings are more easily achieved with the vision and insight of the sheet metal engineer who can quickly identify the right process and tools to produce the desired effect in less time, cutting costs.

### **Unlock the sheet metal process with 3D modelling**

A 3D model offers instant and significant benefits to product development starting with CNC punching:

- View the component as a flat pattern and from different angles
- Dramatically reduce programming times
- Interrogate the component's accuracy carefully

### **Harness the skill of a CNC punch programmer**

*Radan* CAD/CAM software is cutting edge technology but requires a skilled programmer. They can perfectly execute every action as well as foresee issues and opportunities at every stage.

### **Using your punch tool library wisely and efficiently**

Build your knowledge and experience of tools carefully and your value will grow. As always, start with the brief and understand how to achieve the desired result with the right tools. Reducing the number of tools used keeps set up and break down efficient. And by thinking creatively you can achieve more with less, e.g. to produce varying sized holes, use the same punch but open up with a drill afterwards.

### **Alternatives to CNC punching**

When CNC punching isn't the answer, consider alternatives like laser cutting. Although it takes more time than punching, the end result may be superior and result in financial savings.

For many projects, CNC punching is the key that unlocks success. Visit our to find out more - <https://alroys.com/sheet-metal-punching-more-than-just-making-hole/>