



ENGINEERING DESIGN

Foothills Steel Foundry offers a full Engineering Design service

We use Solidworks in-house as our CAD platform, and our design engineers are able to take a product from a sketch or a sample through our full manufacturing process.

To assist with the initial dimensions, we are able to digitally measure new or worn samples with our Faro Arm CMM or Creaform Laser Scanner. Both these tools are accurate to 0.04mm (0.0015”), and the measurements are imported directly into Solidworks.

Our engineers can also convert sketches, paper drawings or AutoCAD files and models in the Solidworks format.

Once we have an accurate 3D model, we then start our manufacturing process.

Foothills engineers are also able to measure profiles on worn parts, and compare them to new parts. Using the information gathered in this process, we can optimise the design of replacement parts to extend their wear life.