



Granite Sprint (tm) Impact Etching Machine



The new diamond etching machine is not a laser engraving system, it has been specifically designed to etch highly detailed ornamentation direct onto headstones. Unlike laser engraving machines the diamond etching machine does not require the stone to be level, flat or black!

What is Impact Etching?

Impact Etching is a revolutionary technology, designed for use in the memorial industry. Time tested and reliable, the image is created by a diamond tipped needle hitting the stone. The machine adjusts the strength and frequency of the impacts to generate accurate grey scale images on the granite. The needle automatically maintains the optimal distance between the needle and the stone, allowing processing of uneven surfaces.

How does it compare to laser?

We believe diamond etching is a better fit for memorial etching than laser. It does not require that the granite is black and it penetrates much deeper than laser giving a much brighter finish than laser which just burns the surface of the granite. Setting up the etching machine is significantly more straight forward than a laser system. The head automatically controls the height of the diamond tip, the location is easy to set using the accurate variable speed motors.

What do I need to use the machine?

You will need a computer and a way of importing photographs onto it (either direct from a camera or via a scanner). If you don't want to edit your own images then the manufacturers offer an image manipulation service to ensure your artwork is perfect for engraving. If you are editing the images yourself you will need suitable software (we recommend using either Corel Photo Paint or Adobe Photoshop). The new Sprint is also wi-fi enabled, to make the most out of this you will need a wi-fi connection and an android phone or tablet.

What size design can I do?

The Granite Sprint is a portable machine that sits on top of the stone. It is capable of etching a design 40cm x 60cm in size. The smaller cube model can etch up to 30cm x 40cm.

How long does a needle last?

On average a needle is capable of etching over 100 portraits (6"x4"). Ultimately it depends on resolution and intensity of etching but it costs approximately 50p in tip wear per design.

How long does it take to etch an image?

It depends on the size of the image and the resolution you are etching at but expect an average 4x6" portrait to take 15-20 minutes to etch, the new machine is twice as fast as the outgoing CP etcher.

What support can I expect to receive?

There is a 1 year warranty on the entire machine (excluding needles). We provide comprehensive manuals and video training, email and telephone support as well as remote assistance via web connection. We set all of the machines up with our configuration settings. These settings allow you to etch onto a number of different materials with a couple of different settings. More importantly we give you all the training you need to work the machine to the best of it's capability.

What models are available?

Model	Description	Engraving Size
Sprint	Compact model, designed to be put on top of the stone.	40cm x 60cm
Next	Medium size free-standing machine	60cm x 75cm
Max	Large free-standing machine	60cm x 120cm



Black Granite



Coloured Designs