

The Micro-Needling Pen.

The hand held micro – needling pen uses tiny sterile needles that rapidly penetrate the skin at a controlled depth to create a controlled micro injury to the skin in order to stimulate the skin to produce collagen and elastin.

As we age the natural production of the skin's supporting structures, fibroblasts, collagen and elastin diminish. This leads to wrinkling and sagging of the skin. Micro needling is a highly effective way to naturally induce the production of collagen and elastin.

Advantages of the Pen over the Dermal Roller.

- The pen is able to affect a greater surface area of the skin, it gets into the gaps that are missed by the roller due to the placement of the needles on the barrel.
- It penetrates the surface of the skin vertically which makes it more effective and accurate on facial curves, scar tissue and smaller areas of concern.
- The depth of the needle is adjustable on the pen as opposed to the roller. Some treatments may require 3 different depths of needle penetration, this is easy to accommodate with the pen the needle length can be accurately adjusted at the head of the device. You would require multiple rollers to do such treatments.
- Due to the high oscillation of the penetrating needle on the pen there is no need to repeatedly go over areas. Repeated takes was part of dermal rolling treatment. It is more efficient more hits in less time.
- In our micro needling pen treatments we used serums containing Epidermal Growth Factors (EGFs) EGF's support cell renewal and repair. EGF's work by attracting cells to a wound site in order to begin the repair process. The vital protein is released by platelets during the inflammation stage of healing, then attracts cells to the injured area. These responsive cells, known as osteoblasts, process EGF, speeding up wound-healing, allowing the skin to repair itself evenly and quickly.