

## Technical Specification

Wavelength	1550nm
Laser Power	15W
Laser output	1~120mJ/dot
Density	25~3025 PPA/cm <sup>2</sup> (12 level)
Scan area	20x20mm
Pulse width	1~20ms/dot
Operate mode	Array, Random
Operate interface	9.7" true color touch screen
Cooling system	Advanced air cooling system
Power supply	AC100V or 230V, 50/60Hz
Dimensions	52 x 44 x 32cm (L x W x H)
Weight	20kgs

# PIXEL Er

## Fractional Fiber Laser

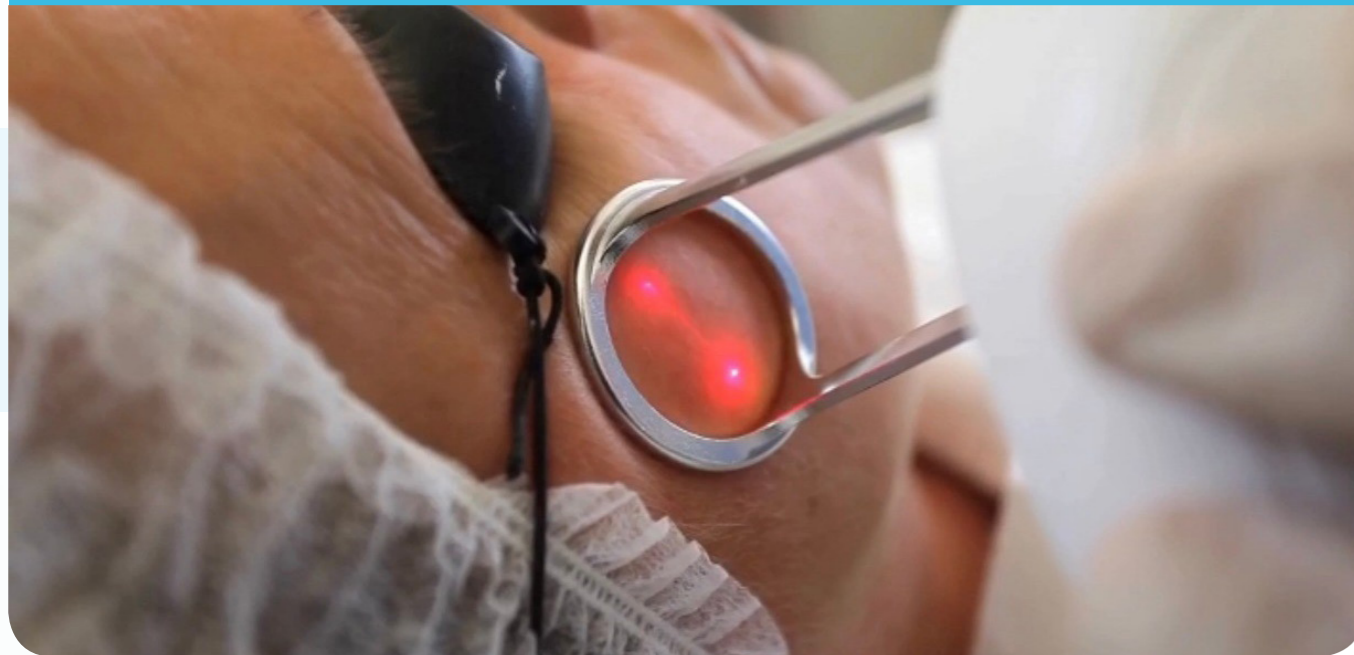
Skin rejuvenation  
 Stretch mark removal  
 Skin resurfacing  
 Acne scar removal  
 Skin toning  
 Wrinkle removal



The 1550nm fractional fiber laser is a non-invasive system that delivers thermal pulses deeply into the dermis, where they are absorbed by water, leading to elevated temperatures within the tissue. This gentle heating results in cell decomposition without damaging the skin's surface.

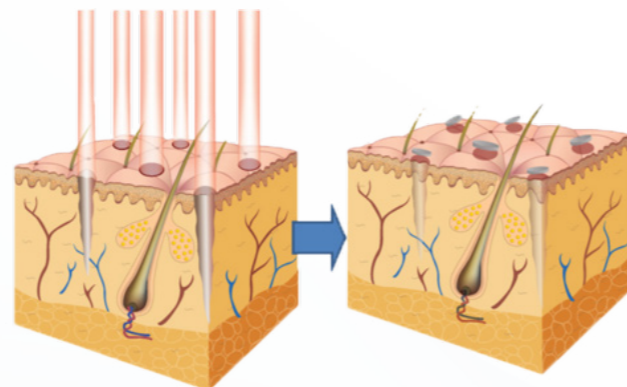
The laser selectively targets and destroys sebaceous glands, reducing their overproduction and suppressing bacterial growth by activating antibacterial oxygen species.

Additionally, the thermal energy stimulates the synthesis of new collagen in the deeper skin layers, reducing acne scars and wrinkles. As a result, the overall complexion appears brighter and fresher.



### How it works

The 1550nm fractional non-ablative laser delivers energy into the skin to produce thousands of tiny microthermal zones, creating small microscopic columns of thermal injury. This process stimulates the body's wound healing response, which produces new collagen and refreshes the outer layer of the skin (epidermis).



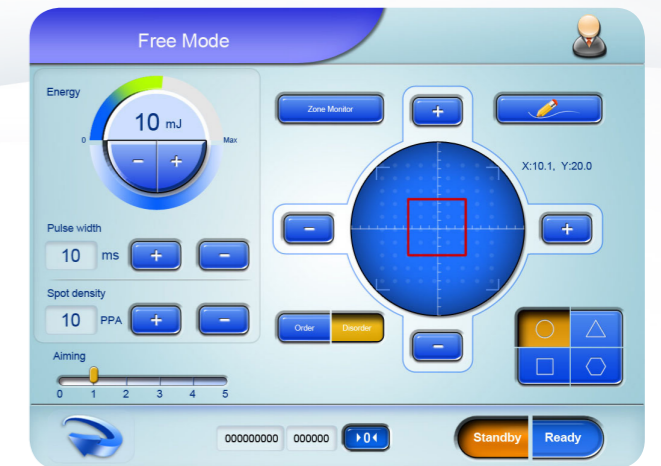
#### Used for:

- Skin rejuvenation
- Skin resurfacing
- Stretch mark removal
- Acne scar removal
- Wrinkle removal
- Skin toning



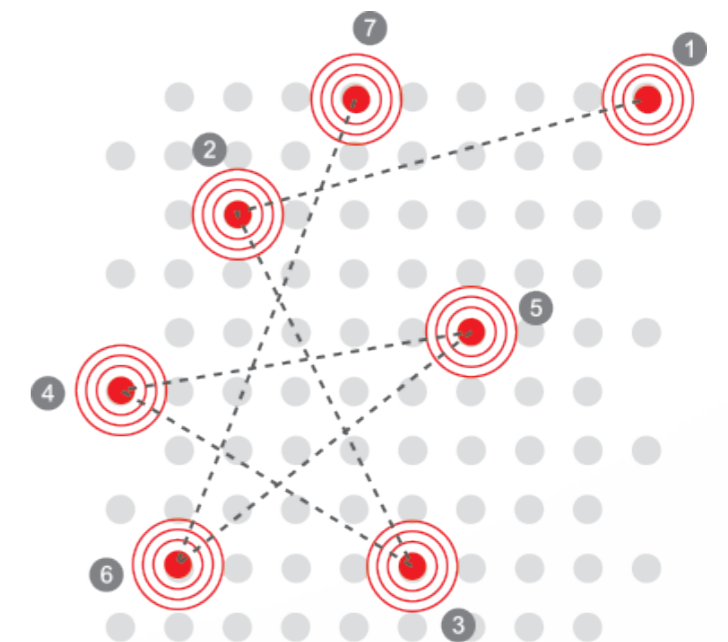
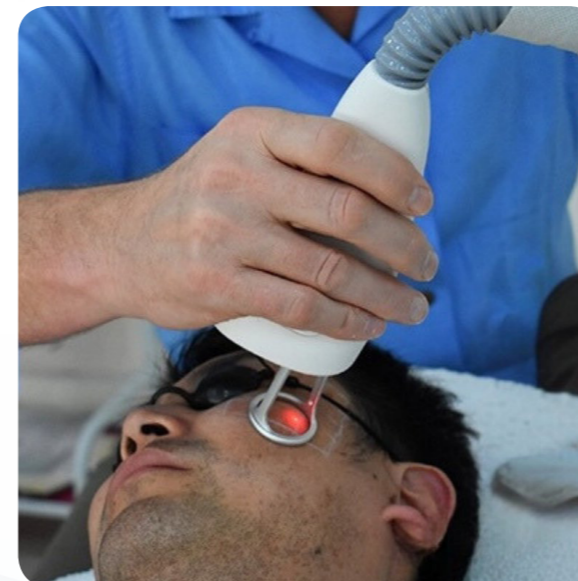
### Unique random operating mode

The laser emits micro-beams in an alternating pattern, allowing treated micro-zones to cool and providing multiple clinical benefits with less pain and downtime. This approach helps prevent blistering, swelling, and erythema, significantly reducing the risk of post-inflammatory pigmentation and other potential side effects associated with laser treatments.



Different shapes for treatment

### Ultimate flexibility with hand draw function



Powered by the A9 Android operating system, the device enables you to hand-draw any desired shape and precisely translate it to the treatment area, ensuring accurate and effective results.



Watch our video on the PIXEL Er fractional non-ablative fiber laser

