





# Medical Device Certification

Owner/Operator: Guangzhou Ekal Electronic Technology Co., Ltd.

Device Name: Dr. pen Microneedling System

510(k) Number: K230420

Regulatory Class: Class II

FEI Number <sup>A</sup>: 3013360665



**FDA** U.S. FOOD & DRUG  
ADMINISTRATION

Guangzhou Ekal Electronic Technology Co., Ltd.

Re: K230420

Trade/Device Name: Dr. pen Microneedling System

Regulation Number: 21 CFR 878.4430

Regulation Name: Microneedling Device For Aesthetic Use

Regulatory Class: Class II

**Establishment:**  
GUANGZHOU EKAL ELECTRONIC CO., LTD.  
27 Building B, No. 37, Dong Road, Ushui  
Guangzhou, Guangdong, CN 510001  
Registration Number: 1013340544  
FEI Number: 3013360665  
NDA#: N/A  
Date of Registration: March, 2021

**Owner/Operator:**  
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Green Operator Number: 1000000

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# Advantages

## LED Digital Display

1~6 gear Adjustable speed



## 0~2.5 mm Adjustable needle length



## Type-C USB connector

Large capacity battery ensure  
continuously long working time

700mAh



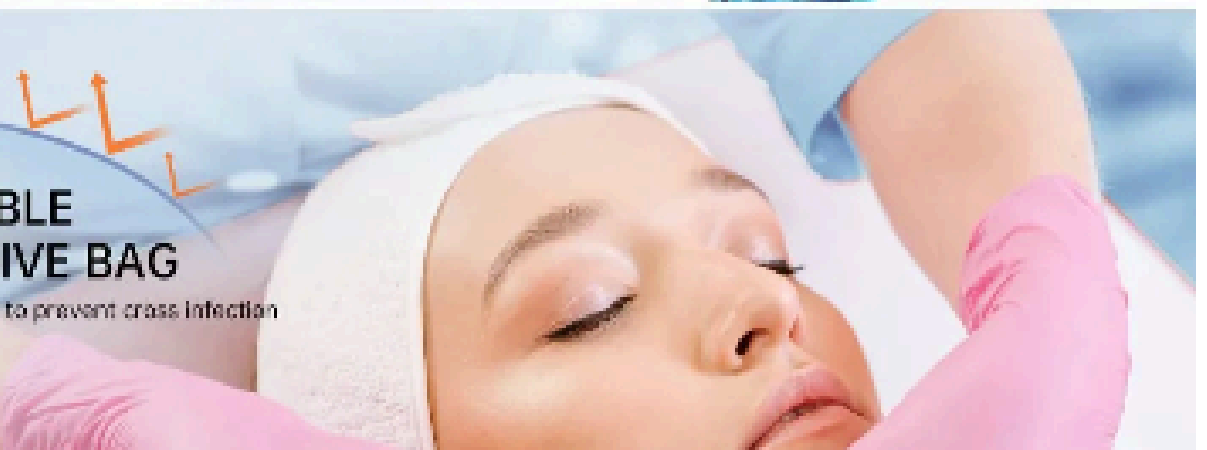
## 3L Connector

The connection of cartridge is with  
3 lock design. The cartridge is locked  
the base of each and flange, the  
procedure will be more stable  
and high efficiency.



## DISPOSABLE PROTECTIVE BAG

Clean and hygienic to prevent cross infection











# Solve various skin problems

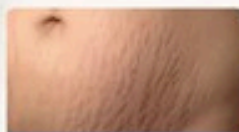
- ↗ Fade fine lines
- ↗ Removing acne
- ↗ Reduce wrinkles
- ↗ Improve skin tone
- ↗ Improve acne scars
- ↗ Reduce hyperpigmentation



Acne scars



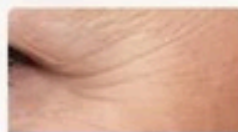
Large pores



Stretch marks

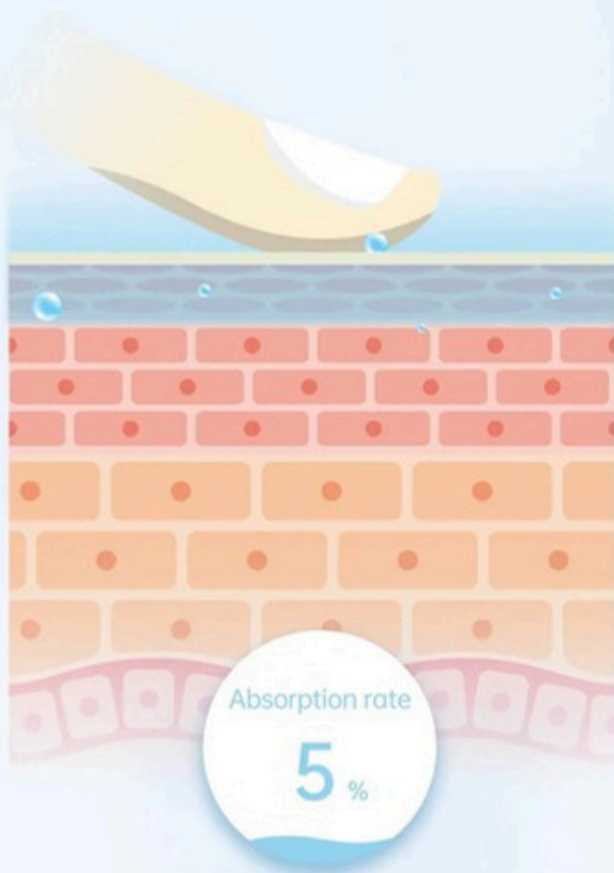


Shallow scars



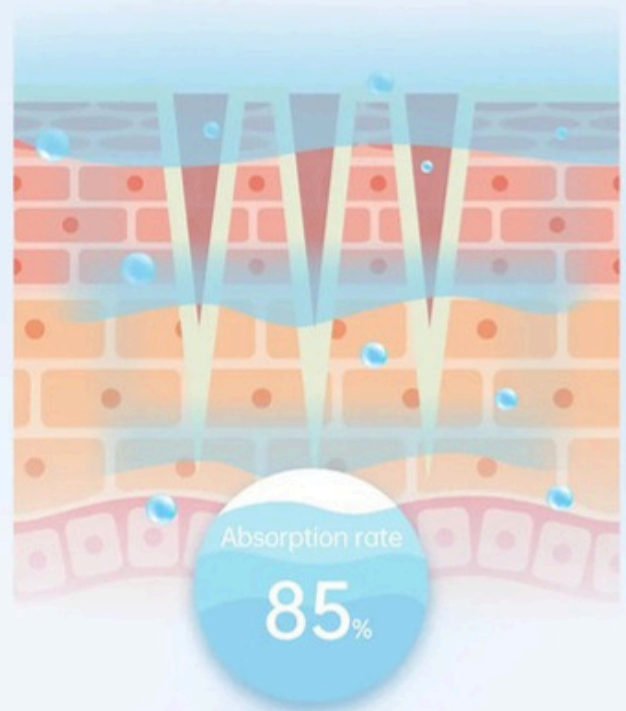
Fine lines

Deliver the essence directly to the mesoderm of the skin, while stimulating cell regeneration, which is conducive to the complete absorption of the essence by the skin.



### Daily skin care

The tough stratum corneum blocks the delivery of more than 95% of the essence, and the skin cannot absorb it effectively.



### Microneedling Skin Care

Microneedles can penetrate the stratum corneum of the skin, allowing more than 85% of the nutrients to be delivered effectively.

# Recognition for medical institutions & beauty salons

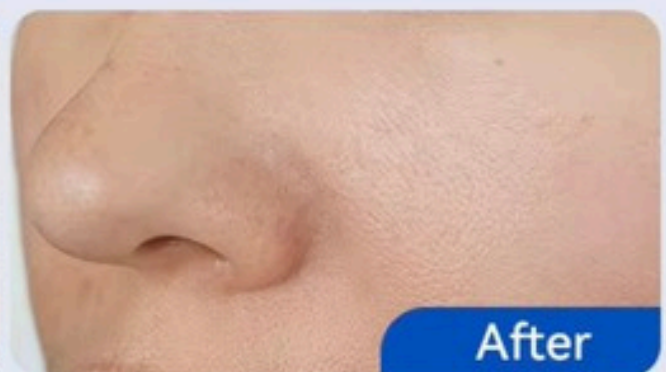
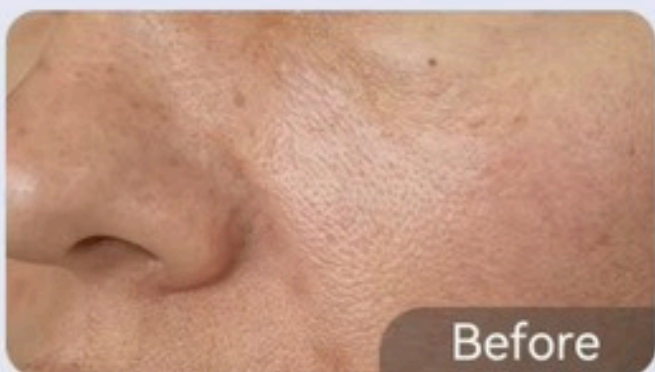
## Acne scars and pits



## Stretch Marks



## Pore



# Targeted Skincare Pairings for Multi-Skin Concerns



## Hyaluronic Acid Aqua Injection

Hydrating infusion – moisturizes skin and reduces fine lines.



## Freeze-Dried Powder

Repairs acne scars & pitted scars



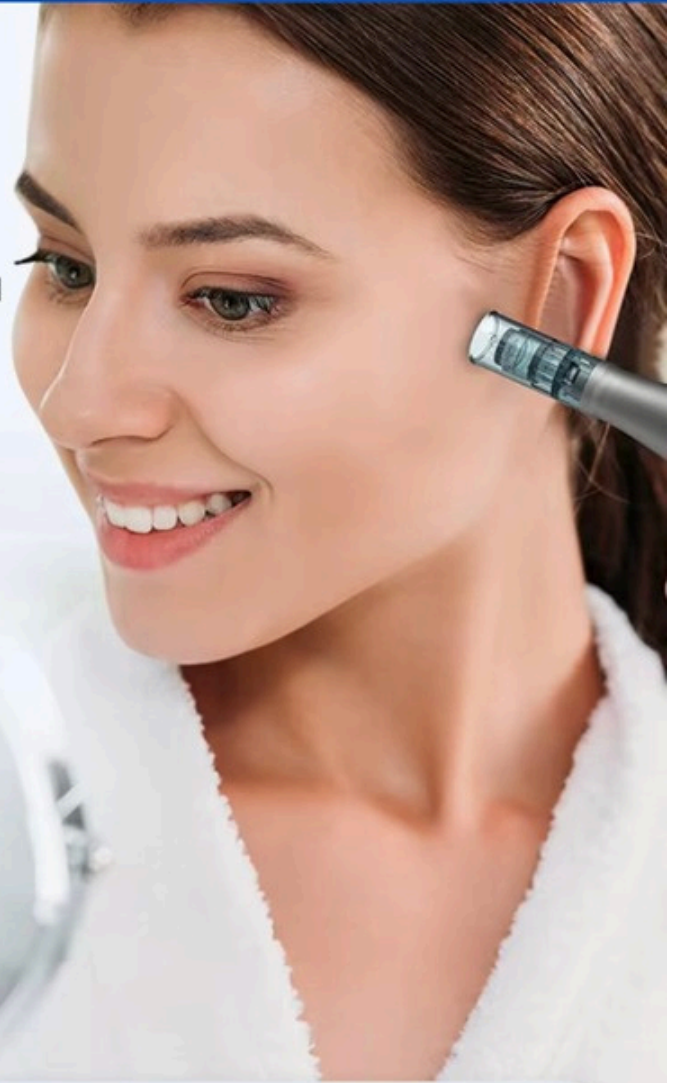
## Spot lightening essence

Brightens skin tone and reduces pigmentation

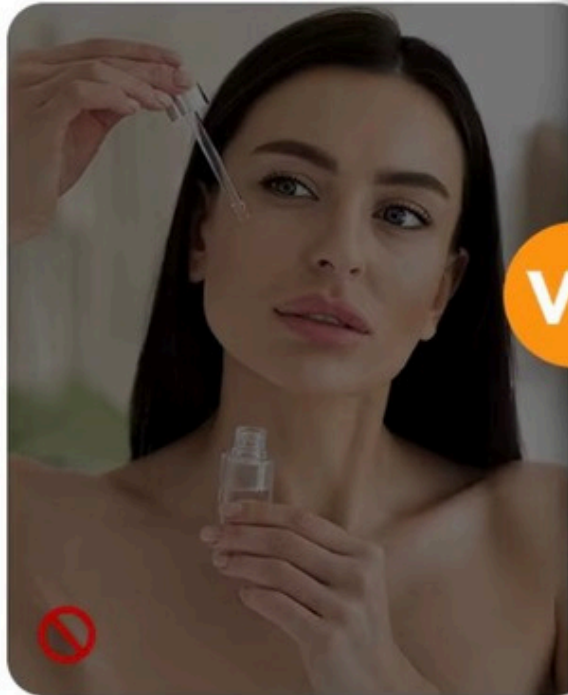


## Moisturizing products

Shrink pores, hydrate and moisturize



# Microneedling Skincare for Enhanced Absorption



VS



## Using skincare products alone:

Skincare products are difficult to penetrate deep into the skin, and the skincare effect is average

## Microneedle-Assisted Delivery:

Rapidly opens skin absorption pathways, allowing skincare products to penetrate deeper into the skin, targeting improvement from the basal layer for enhanced efficacy.

## Needle tip

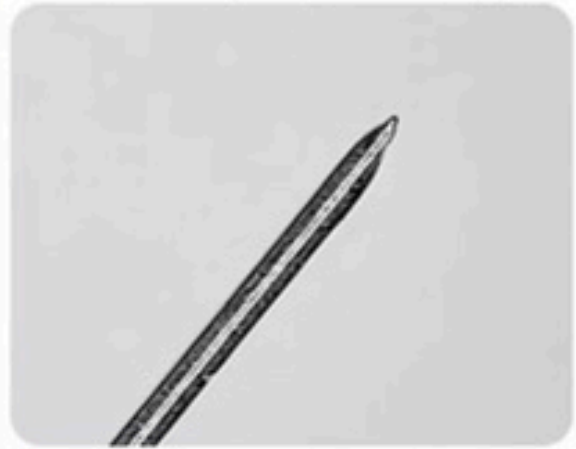
Minimized tissue trauma



vs

## Other needle tips

Basic cutting edge technology



## Roughness

vs

## Other roughness

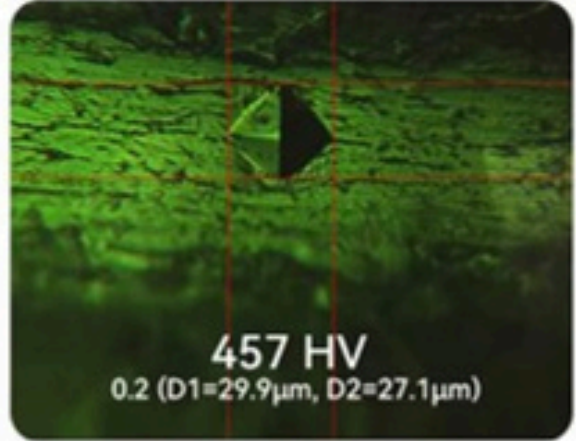
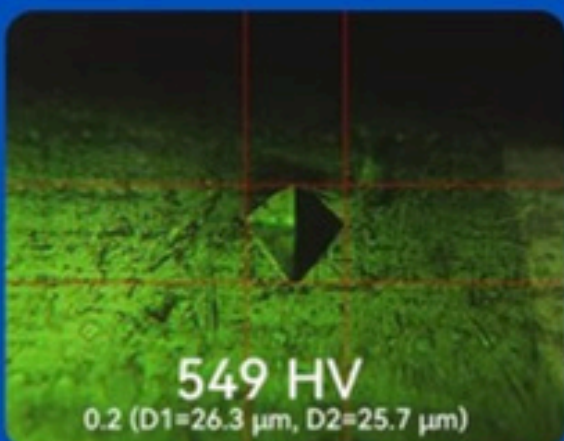
※ Industry standards:  $<0.5\mu\text{m}$



## Needle hardness

vs

Hardness of other needles





## Training Advantage

- ✓ Used in G21 Professional Microneedling Training
- ✓ Clinic-ready • Safety-focused • Evidence-based

## Ultra-Short Version

### Dr. Pen®

FDA & Health Canada Approved

Precision • Safety • Results



Shop Skincare: [www.G21skin.ca](http://www.G21skin.ca)