

Raffine

Specification Sheet

We manufacture only the highest quality products.

-Woorhi Mechatronics Co., Ltd.-



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Features of the Company

| 01

Product Features_Handpiece



01 Product Features - Handpiece

: Advantage in 'Technology' and 'Design'



Technology



Design



01 Product Features - Handpiece

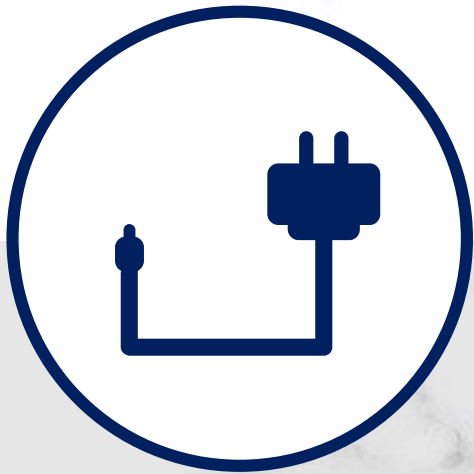
1) Technology_Powerful 'BLDC Motor(Brushless DC Motor)'

- Low mechanical vibration, low noise even at high speed
- Durability that can be used for more than 3 years
- Having more than 4 times stronger power than general motor, it can be used without skin damage in case of deep skin treatment

| | AC motor | DC motor | BLDC motor |
|-----------------------|---------------|----------------|----------------|
| Durability | High | Low | Semi-permanent |
| Noise | Noisy | Noisy | Low |
| Direction of rotation | Bidirectional | Unidirectional | Bidirectional |
| Power consumption | High | Low | Low |

01 Product Features - Handpiece

2) Technology_Stable Power Supply



<Wired type>

Stable power delivery
during treatment



<100V~250V Free volatage>

Can be used in any country



<Length of cable:4.4m>

Can be used freely
with long cable adapter
(extention cable: 1.8mm / adaptor: 2.6m)

01 Product Features - Handpiece

3) Design_Ergonomic Design



- **Precise needle length adjustment** : the needle length can be adjusted in 0.1mm increments.
- **Anti-slip design** : Rubber cover prevents slipping during treatment
- **Easy storage**: Handpiece holder is provided for easy and hygienic storage after use
- **Golden ratio in design** : Moderate weight and comfortable grip with center of gravity at the bottom of the handpiece
- **Dial type of speed adjustment**: Easily adjustable while in use

01 Product Features - Handpiece

4) Strict Quality Control

- Product test is conducted based on actual use in a very harsh environment



02

Product Features_Disposable Tips



02 Product Features_Disposable Tips(Fastening Method)

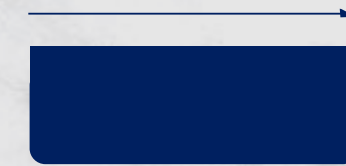
1) 'Double Locking System' Using Double Threaded Screw



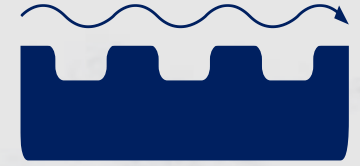
- Double locking fastening system
: Prevents needle loosening and needle popping up by vibration
- Immediately delivers motor force to the needle and adjusts needle movement from the motor force
: Using robust fastening method, enables skin not to be damaged or make a scratch

02 Product Features_Disposable Tips(Design)

2) Design_Patented Crown Type



Flat type
(Needle of Other company)

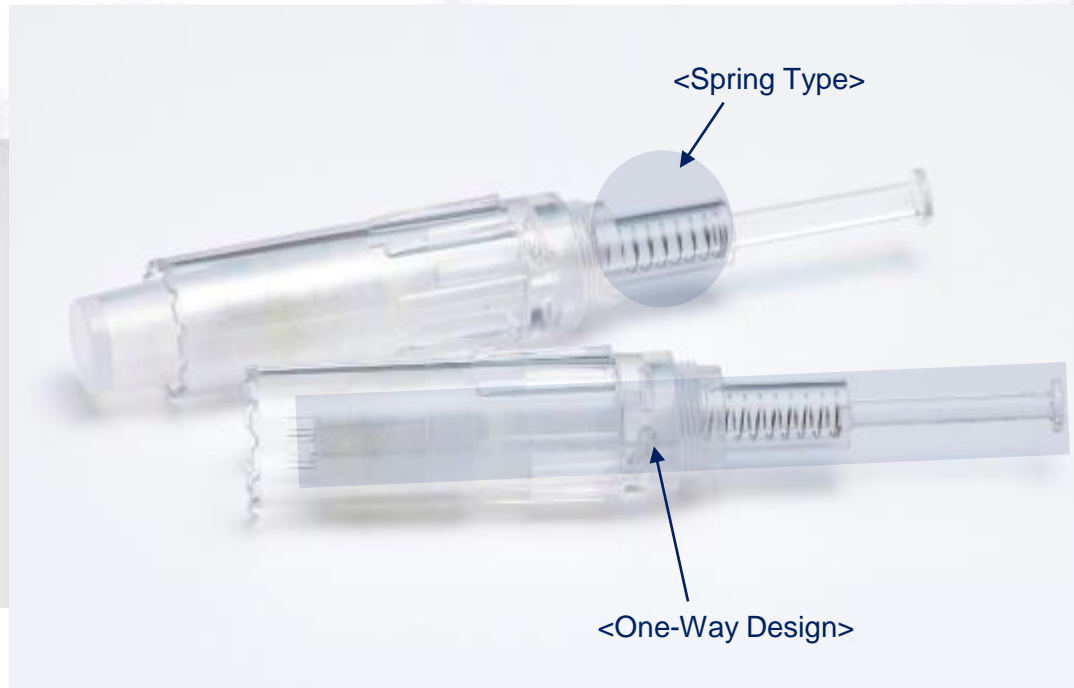


Crown Type
(Needle of Woorhi Mecha)

- As a special design, the area where the face and needle cartridge touch is designed as a crown type rather than a flat type.
- Prevents cosmetics / medicines from being pushed out of face during use. Free and smooth movement when needling, effective and easy to use

02 Product Features_Disposable Tips(Design)

3) Design_Spring Type and One-Way Design



- **One-way design**

Design that the entire spring and needle acts as an air-hole without using silicone

- **With air-hole, it makes air-circulation** and smooth needle movement and no backflow

The power of the motor is transferred immediately, allowing for no damage skin

02 Product Features_Disposable Tips(Design)

4) Product Assembly and Thorough Quality Control

Skilled assembler and Material management by insourcing of raw materials

- Made all processes in-house in Korea (Made in Korea)
- Own quality standard length tolerance of 0.05mm
- No needle hook / bending
- No foreign material in the product
- Relatively price advantage in high quality production standard



02 Product Features_Disposable Tips(Quality)

4) Product Assembly and Thorough Quality Control



- ISO13485, GMP System Management

A detailed check list table titled "KAPPAINE 검사표(查票表) Check List". It contains multiple columns for various inspection items and rows for different inspection points, with checkboxes for "Pass" and "Fail" and a section for "Remarks".Another detailed check list table titled "KAPPAINE 검사표(查票表) Check List". It contains multiple columns for various inspection items and rows for different inspection points, with checkboxes for "Pass" and "Fail" and a section for "Remarks".

- Strict Quality Control

: Follow the regulation of AQL(Acceptable Quality Limit, S-4/Special Inspection level)

02 Product Features_Disposable Tips(Quality)

5) Stability of Raw Materials



- **Needle : SS304**

: It is widely used in medical instruments, has strong corrosion resistance, and can prevent metal allergy to a moderate level.

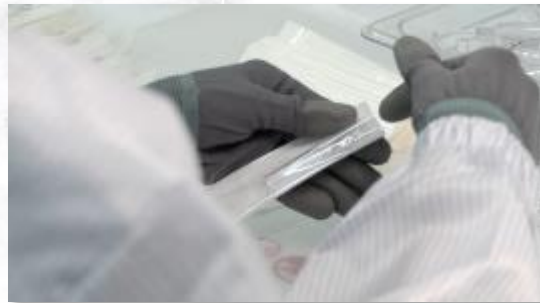


- **ROHS certified raw materials**

: Use of safe raw materials that do not contain harmful substances (lead, cadmium, mercury, hexavalent chromium, phthalate, bromine-based flame retardants)

02 Product Features_Disposable Tips(Quality)

5) Stability of Raw Materials



- **Raw material supply**

: Produce and procure all materials in Korea

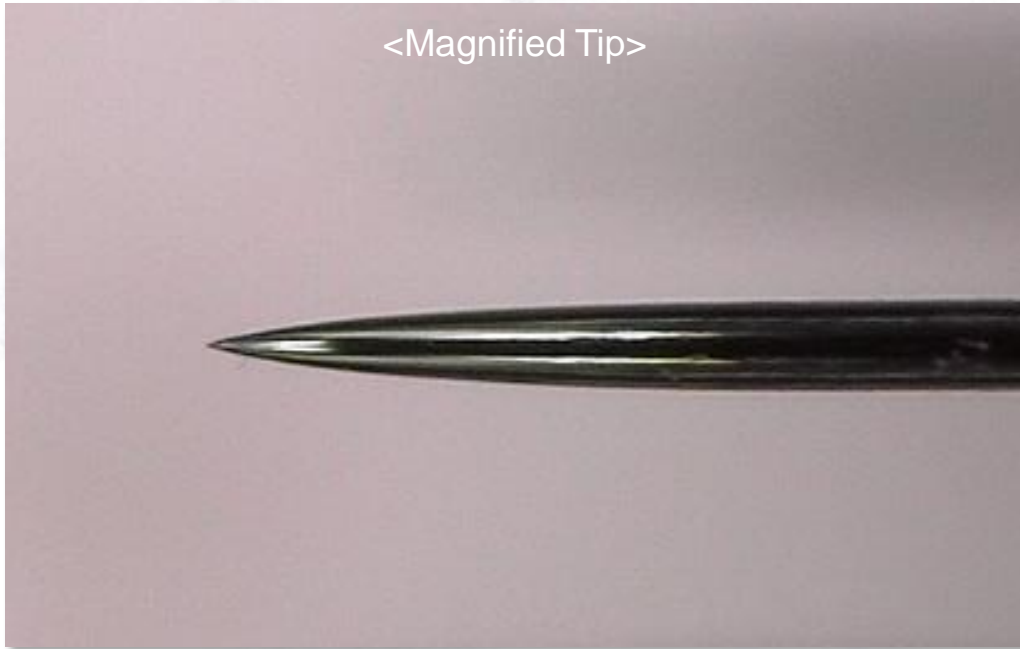
- **EO gas sterilization**

: EO gas with excellent sterilization ability, can be sterilized and stored for a long time without product quality change or fading

02 Product Features_Disposable Tips

6) User Friendly Design

<Magnified Tip>



- **Minimization of pain**

Sharpening angle of the needle pin reduces the pain due to the 'R' type

<Needle Guide Part>

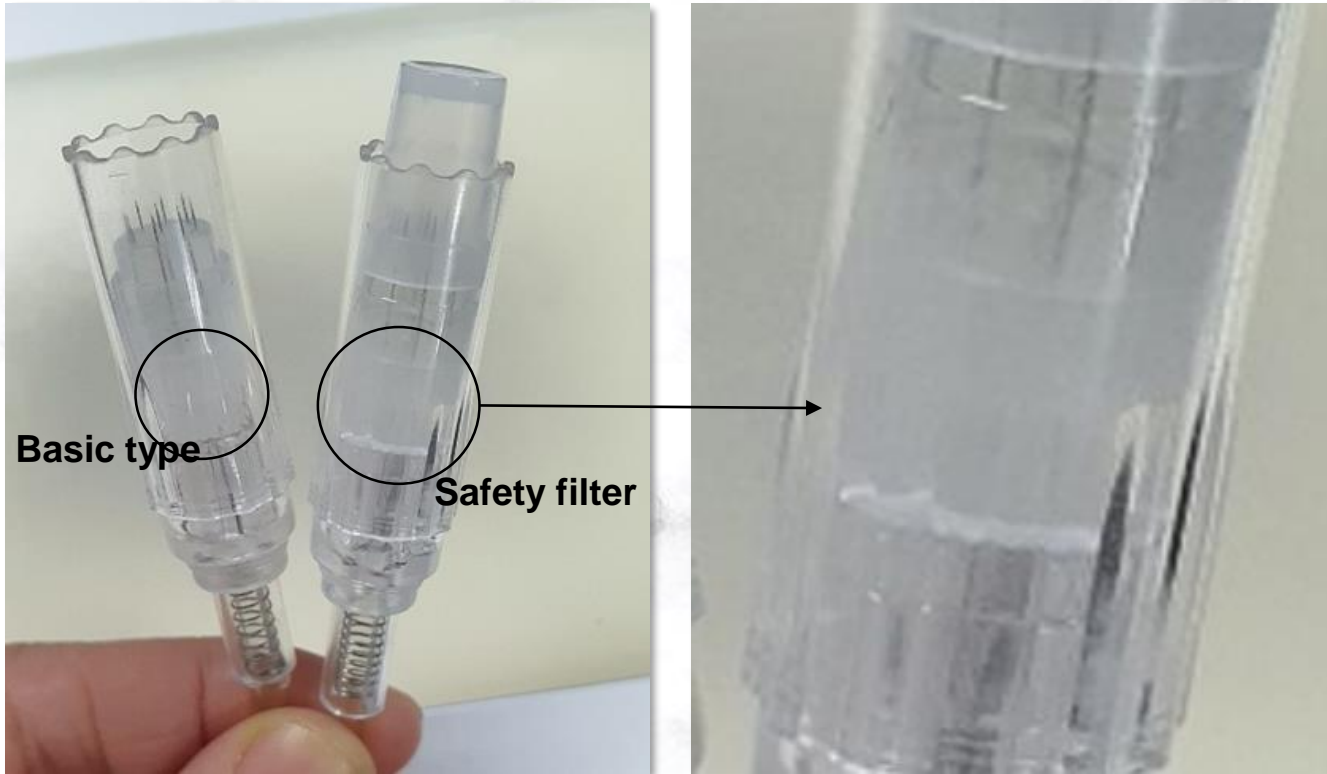


- **Anti-slip design**

Non-slip design in the needle guide to prevent slipping when engaging or releasing the needle with the handpiece

02 Product Features_Disposable Tips

7) Backflow prevention (optional)



- One-way design with the entire needle does not flow back unless the hand-piece is turned upside down, but **optional 'Safety filter' type for specific users**

03

Features of Company



WOORHI
MECHATRONICS CO., LTD.

03 Product Feature_Company

1) Various Certificates for Company and Products

- Certification: GMP, ISO13485, ISO 9001, ISO14001, KFDA, CE, The Best Value Certified by Gyeonggi Province
- Awards: Prime Minister Award for Small and Medium Business Technology Innovation Competition, Award of Export Tower of 1Million, Certificate of Merit to Creating Employment



03 Product Feature_Company

2) Overseas Distributors and Branch in Shanghai



- **Overseas distributors**

: We have exclusive distributors in 13 countries and have exported our products to 72 countries



- **Branch in Shanghai**

: Provide a variety of service to customers such as distribution, exhibition, training, and after-sales service

03 Product Feature_Company

3) Having Know-how for The Product and Professional Manpower on Export

- **Provide know-how for product sales and procedures:**
: As a manufacturer, we provide guide for product sales and effective procedures for each products



- **Professional manpower on export**
: we have employees who have certificate for export business and can speak a variety of languages(English, Chinese and Spanish) for smooth communication

| Thank You