

Certificate



EN ISO 13485



MDSAP

Certificate



EC certificate 93/42/EEC



FDA K201109 HS-411/HS-411A



Extension confirmation letter by TÜV Rheinland



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U.S.FDA(510K)



CO<sub>2</sub> Laser Series



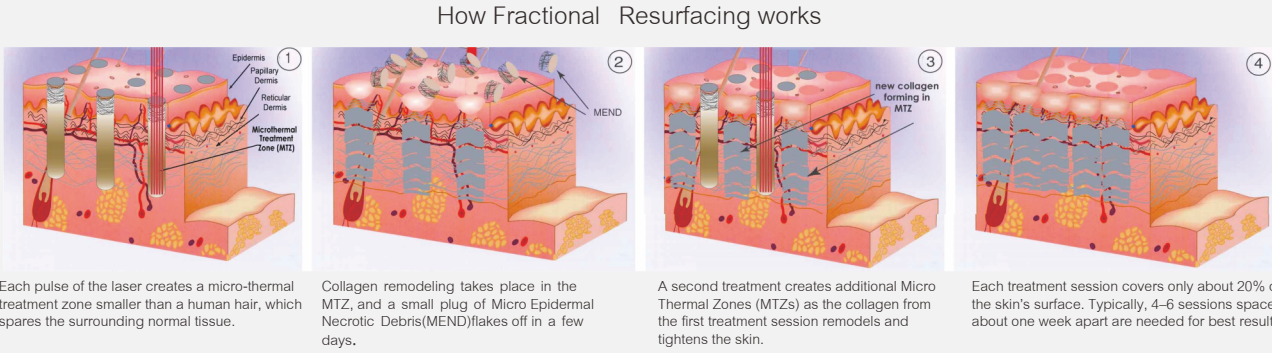
FROM 2001 TO 2026

Shanghai Apolo Medical Technology CO.,LTD

Global Medical & Aesthetic Expert

Principle

The CO2 laser system generates light at a 10,600 nm wavelength, which is readily absorbed by water in human tissue. The laser energy heats up the water until it reaches a boiling point causing the evaporation of the affected tissue. Some heat is absorbed by tissue adjacent to the ablated target area, causing tissue coagulation, which induces hemostasis (the cessation of bleeding) as well as thermal stimulation of deep skin layers, which induces fibroblast stimulation and neocollagenesis (the formation of new collagen).



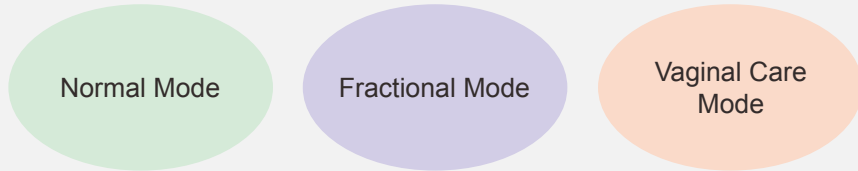
Co2 dot matrix laser emits laser through dot matrix mode, forming a small thermal injury zone on the surface of the skin, initiating collagen recombination and epidermal renewal, and achieving skin remodeling. CO2 lattice laser belongs to the "ablative laser" category, which can accurately penetrate the surface of the skin and vaporize some tissues, while dispersing energy through the "lattice mode" to reduce damage to surrounding normal skin. This 'damage repair' mechanism can promote collagen regeneration, improve skin texture and concave scars. Compared to traditional lasers, it has deeper penetration and stronger stimulation, making it suitable for moderate to severe skin problems.

Applications

- Skin resurfacing (Rough skin, coarse pores, dark skin, light damage...)
- Wrinkles removal (Crow's feet, head lines, Sichuan characters, Decree lines)
- Pigmented nevus, epidermal pigmentation (freckles, etc.),
- Epidermis (all kinds of warts) cutting
- Scar Repair (acne scar, hypertrophic scar, burn scar, sunken scar, etc.)
- Other applications (syringoma, condyloma, seborrheic, etc.)
- Vaginal care (Vaginal wall tightening, collagen remodeling, thicker and more resilient, labium whitening)

3 treatment modes for easy operation

Based on the Android system, a complete set of independently developed software programs and main control hardware system.

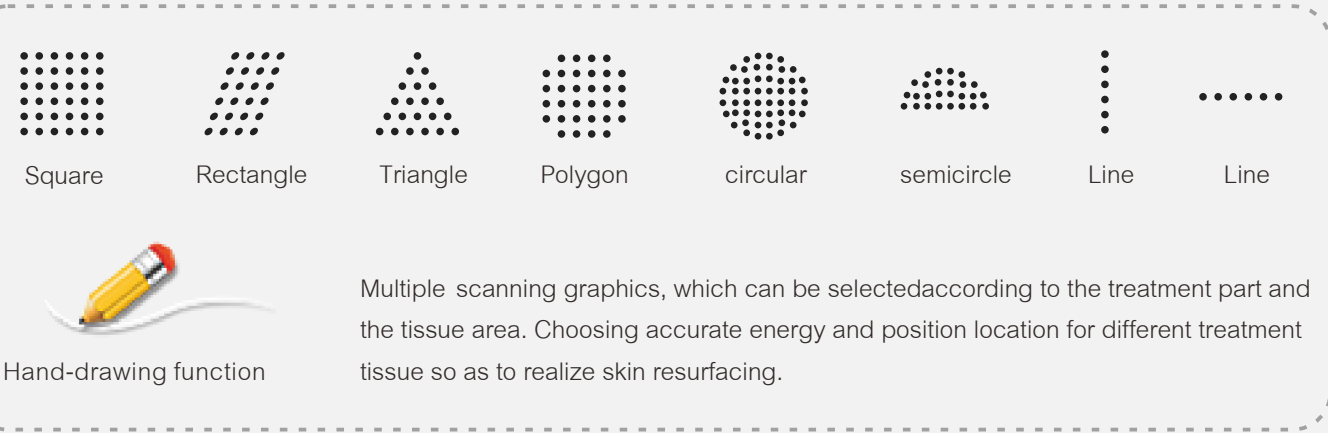


Specifications

|                                        |                                                                                                   |              |         |           |
|----------------------------------------|---------------------------------------------------------------------------------------------------|--------------|---------|-----------|
| Wavelength                             | 10600nm                                                                                           |              |         |           |
| Laser medium                           | RF sealed-off CO2 laser                                                                           |              |         |           |
| Beam delivery                          | Articulated arm                                                                                   |              |         |           |
| Function mode: Fractional/vaginal care |                                                                                                   |              |         |           |
| Model No.                              | HS-411                                                                                            | HS-411A      |         |           |
| Laser Power                            | 35W                                                                                               | 55W          |         |           |
| Pulse width                            | 0.1~50ms/dot                                                                                      | 0.1~10ms/dot |         |           |
| Energy                                 | 1~300mJ/dot                                                                                       |              |         |           |
| Density                                | 25~3025 PPA/cm² (12 level)                                                                        |              |         |           |
| Scan area                              | 20*20mm                                                                                           |              |         |           |
| Shape                                  |  (freedrawing) |              |         |           |
| Pattern                                | Array,Random                                                                                      |              |         |           |
| Function mode: Normal                  |                                                                                                   |              |         |           |
| Operating mode                         | CW/Single Pulse /Pulse/S.Pulse/U.Pulse                                                            |              |         |           |
| Pulse width                            | Pulse                                                                                             | Single pulse | S.Pulse | U.Pulse   |
|                                        | 5~500ms                                                                                           | 1~500ms      | 1~4ms   | 0.1~0.9ms |
| Aiming beam                            | Diode 655nm(Red), adjustable brightness                                                           |              |         |           |
| Operate interface                      | 11.6" True color touch screen                                                                     |              |         |           |
| Power supply                           | AC 100~240V, 50/60Hz                                                                              |              |         |           |
| Cooling system                         | Air cooling system                                                                                |              |         |           |
| Dimension                              | 50*45*113cm(L*W*H)                                                                                |              |         |           |
| Weight                                 | 65kgs                                                                                             |              |         |           |

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Multi shape patterns selectable

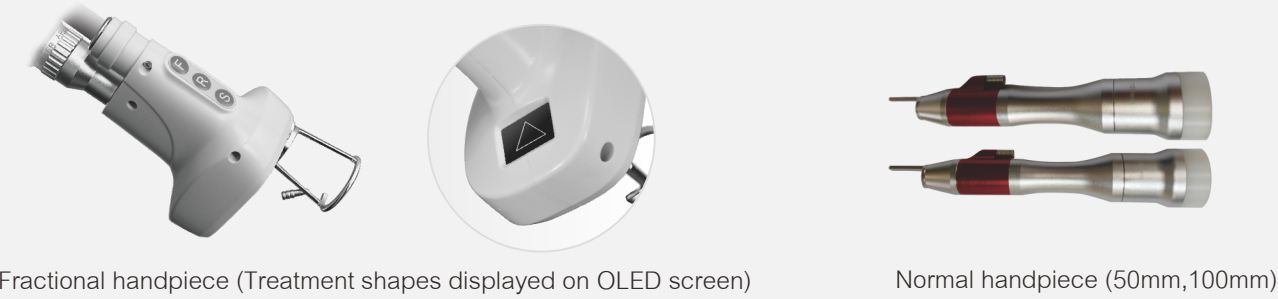


HS-411/HS-411A



Fractional Handpiece & Normal handpiece

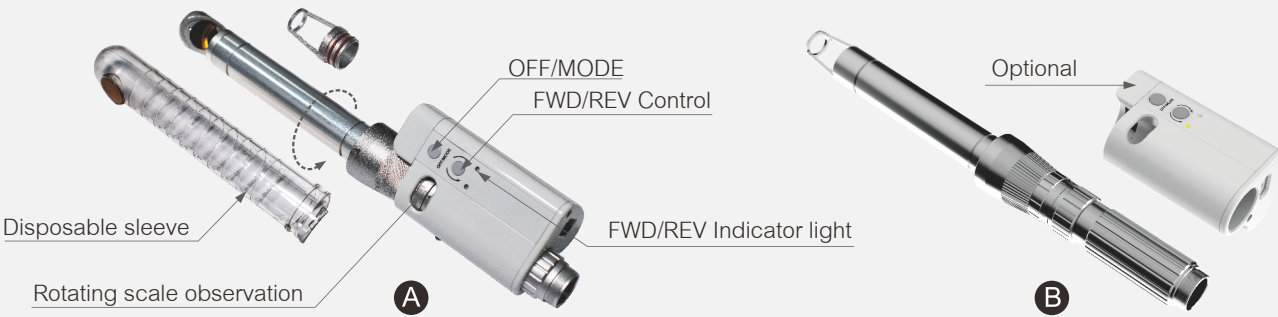
Fractional laser beam allows for faster healing so you get immediate results and avoid unwanted effects.



Vaginal care handpiece

Electric probe with hygienic, single use sleeve design(optional)

Normal physiological processes such as childbirth, age-related hormonal dysfunction, and weight changes may damage collagen, alter the muscle tone of the vaginal wall, and lead to symptoms that affect women's quality of life. This device provides a safe and non-invasive solution, ensuring immediate improvement and long-lasting results.



Over time, especially after childbirth, vaginal tissue may lose its elasticity and strength, leading to true relaxation and causing dissatisfaction during sexual activity. This device directly acts on the mucosa of the vaginal wall, improving tissue sensitivity, stimulating collagen regeneration, and ensuring a reduction in vaginal diameter..

Super-pulse technology (S.Pulse & U.Pulse )

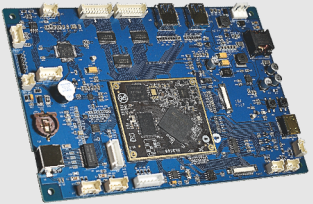
The thermal relaxation time of skin tissue is approximately 0.8ms. Super-pulse technology achieves a higher energy density within a shorter pulse width (less than 0.8ms) by shortening the pulse width, thereby achieving deeper penetration at lower energies, reducing thermal damage, and shortening the recovery period. Using super-pulse technology to achieve precise treatment, with minimal trauma, minimal bleeding, and fast postoperative recovery. For example, when treating acne scars, the small thermal injury area promotes collagen regeneration with a low incidence of adverse reactions.

Multiple Advantages

- Designed strictly in accordance with medical standards.
- Fully optimized internal structure.
- Larger screen (upgraded from 9.7 to 11.6), more convenient to use.
- The casing material has been completely changed from plastic to sheet metal, making it more environmentally friendly and durable.
- Interface upgrade and optimization, layout more concise and clear.

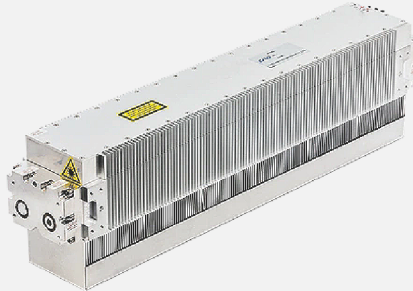
Advanced operating system

- ARM-A13 CPU, Android O/S 11, 2K HD screen.
- Supports 16 languages and features a color touch screen interface.
- Easily adjustable treatment parameters ensure simple and precise operation.



Metal RF tube CO2 lasers VS glass tube CO2 lasers

- Metal RF tube CO2 laser: adopts a sealed off design, that is, the laser's through-hole and working gas are sealed in the same tube. This laser has the characteristics of small size and compactness, and uses a low-voltage power supply to avoid the drawbacks of high-voltage power supply.
- The beam quality of metal RF tube CO2 lasers is usually better than that of glass tube CO2 lasers, with smaller light spots and higher accuracy.
- The service life of metal RF tube CO2 lasers can usually reach tens of thousands of hours or more, while the service life of glass tube CO2 lasers is relatively short.



Before and After

