VACUUM-ASSISTED FRACTIONAL RF

2027 MD Lasers Microneedling Fractional RF-V

A floor-standing workstation that combines vacuum-assisted RF microneedling with a non-invasive Thermagical RF handpiece and a cooling handle. Treat the face and body from one system, with selectable needle cartridges, adjustable depth and two RF frequencies.



0.1–4 mm
ADJUSTABLE NEEDLE DEPTH

5 / 8 MHz
SWITCHABLE RF FREQUENCY

5
NEEDLE CARTRIDGE SIZES

3
HANDPIECES

Built for cosmetic treatments of

- Face lifting
- Skin tightening
- Wrinkles
- Pores
- Acne scars
- Scars
- Stretch marks

HANDPIECE 1

Vacuum RF microneedling

Suction-assisted insertion with gold-plated needles

HANDPIECE 2

Thermagical RF

Non-invasive tightening and lifting, no downtime

HANDPIECE 3

Cooling handle

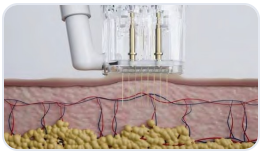
Calms the skin before and after treatment

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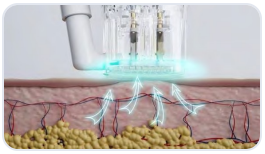
HOW IT WORKS

Five steps in every pass

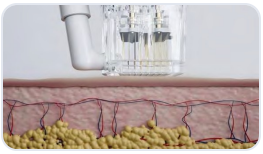
Vacuum lifts the skin into the cartridge so needles enter evenly, then bipolar RF energy heats the dermis at the chosen depth to start the skin's natural collagen response.



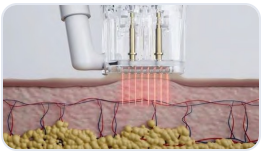
Step 01 · Contact
Cartridge sits flat on the skin.



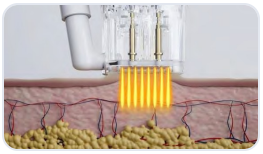
Step 02 · Vacuum
Suction lifts the skin into the tip.



Step 03 · Insert
Needles enter smoothly, less pain.



Step 04 · RF
Bipolar RF energy heats the target tissue.



Step 05 · Renew
Collagen and elastin regeneration begins.

Before & after



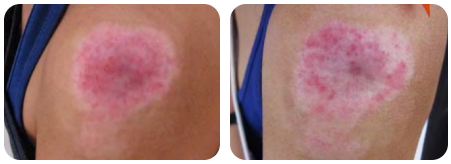
Lines & laxity Before · After



Texture & pores Before · After



Forehead scar Before · After



Scar Before · After



Hand skin Before · After



Acne scars Before · After

Photos supplied by the manufacturer. Individual results vary with skin type, settings and number of sessions.

Why vacuum matters

Lifting the skin into the cartridge keeps every needle at the same angle and depth, gives even RF contact across the tip and makes insertion feel smoother for the client.

HANDPIECE 1

Vacuum RF microneedling handpiece

Driven by a USA Haydon stepping motor for smooth, consistent needle delivery that keeps treatment comfortable for both the practitioner and the client.



1. **Five cartridge sizes.** 10, 25, 36, 49 and 64 pins, so one handpiece covers the eyes and nose through to large body areas.
2. **Adjustable depth.** Needle depth sets from 0.1 mm to 4 mm to match the area and the indication.
3. **Smart recognition.** An ID chip and sensor in the handle detect the needle type and output depth automatically.
4. **Protected handle.** A nano-scale filter keeps skin debris and oil from being drawn into the handpiece.

Multiple needle cartridges



10 pins
Eyes & nose



25 pins
Face



36 pins
Face



49 pins
Arms & legs



64 pins
Body

LAYERED TREATMENT

Multi-depth stacked treatment

Because needle depth adjusts from 0.1 mm to 4 mm, you can stack passes at several depths over the same area, for example a deeper pass followed by mid and shallow passes. This layers RF heat through the dermis for deeper, more even remodeling.

Deep pass
Lower dermis, for laxity and contouring

Mid pass
Scars, stretch marks and texture

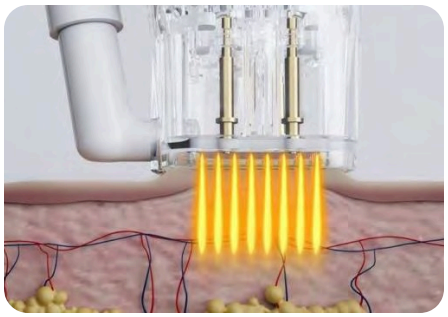
Shallow pass
Fine lines, pores and surface tone

Depths are set per pass by the operator. Non-insulated needles also heat several skin layers at once.

SELECTABLE NEEDLE TYPE

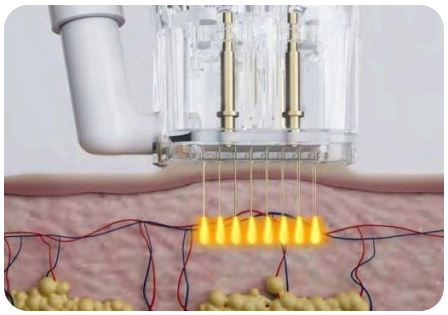
Insulated or non-insulated needles

Choose the needle that fits the client. Both types let you treat a wide range of applications across all skin types, including more challenging skin.



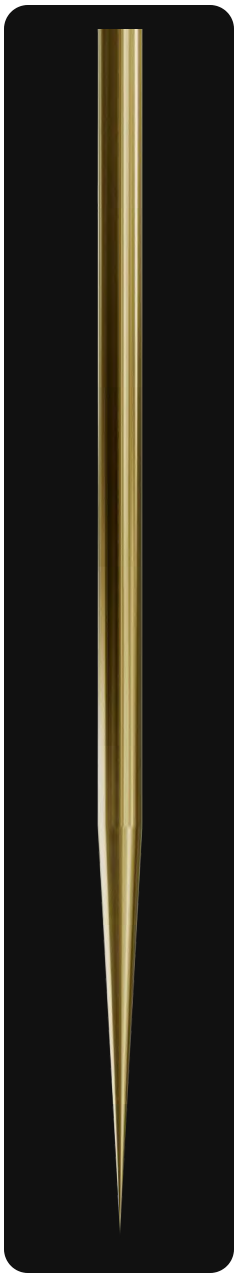
Non-insulated needles

RF energy is emitted along the full length of the needle, heating the upper and lower layers of the skin at the same time for a broader thermal effect.



Insulated needles

Energy is released only at the needle tip. The epidermis is spared and heat goes only to the dermis for a more targeted effect.



Needle details

Gold plated
SURGICAL STEEL, DURABLE, HELPS PREVENT ALLERGIC REACTIONS

0.18 mm
NEEDLE DIAMETER VS. THE COMMON 0.3 MM

0.01 mm
NEEDLE TIP

Thinner needles mean less trauma to the epidermis and the tissue below, which helps the skin recover faster after treatment.

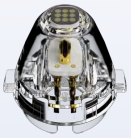
HANDPIECE 2

Thermagical RF handpiece

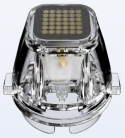
A non-invasive RF handpiece for skin tightening, anti-wrinkle, lifting and shaping treatments, with no downtime or recovery time.



Four treatment head sizes



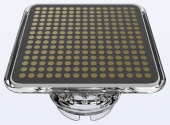
5 × 5 mm
Eyes & nose



10 × 10 mm
Face



20 × 20 mm
Arms & legs



40 × 40 mm
Body

Match the head to the area being treated, from the delicate skin around the eyes to large areas of the body.

Two RF frequencies

5 MHz
Output mode 1

8 MHz
Output mode 2

Switch between 5 MHz and 8 MHz output for different treatments and body areas. Changing the frequency adjusts how deep the RF energy reaches.

Good practice: operate only after training, follow the operator's manual for settings and contraindications, and screen every client before treatment.

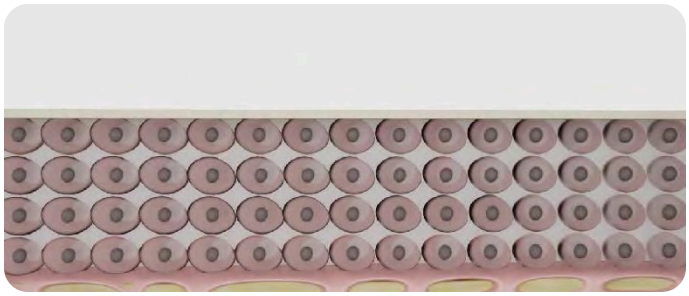
HANDPIECE 3

Cooling handle

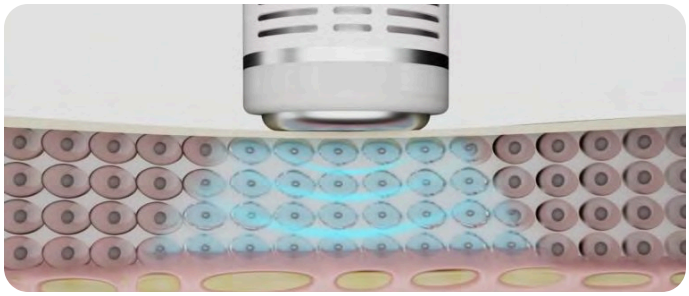
Great for relieving discomfort, calming the skin and tightening the look of pores. Cooling also helps reduce bleeding after treatment and lowers the risk of pigmentation.







Skin after microneedling RF



Cooling calms and soothes the area

A complete session on one system

Prepare and finish every microneedling or Thermagical RF treatment with the cooling handle, so clients leave more comfortable without a separate device.

INSIDE THE SYSTEM

Built for daily clinic use



Smart handle

An ID chip and sensor automatically detect needle type and output depth for safe, accurate treatment.



USA Haydon stepping motor

Working life of up to 10 years.



Nano-scale filter

Keeps skin debris and oil from being drawn into the handle.



12.1" HD touchscreen

A user-friendly operating system for quick setup and clear treatment settings.



TECHNICAL DATA

Specifications

System type	Floor-standing fractional RF microneedling workstation
Handpieces	3: vacuum RF microneedling, Thermagical RF, cooling handle
RF frequency	5 MHz / 8 MHz, switchable
Needle cartridges	10, 25, 36, 49 and 64 pins
Needle depth	0.1–4 mm, adjustable
Needles	Gold plated, 0.18 mm, insulated or non-insulated
Thermagical heads	5 × 5 · 10 × 10 · 20 × 20 · 40 × 40 mm
Pulse width	Microneedling 250–600 ms Thermagical 1000–3000 ms
Screen	12.1" HD touchscreen
Dimensions	22 × 20 × 39 in
Voltage	AC 110 V ±10% 60 Hz / 220 V ±10% 50 Hz



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Specifications are as supplied by the manufacturer and may change without notice. Regulatory status and intended use vary by market; contact MD Lasers for details.