

Matrix™

Powered by Dimensional RF™

A multi-application radiofrequency platform to treat a diverse range of skin types along the aging journey.



 **CANDELA®**
Science. Results. Trust.



Radiofrequency, Intelligently Redefined.

Radiofrequency (RF) has been in the medical arena for over 100 years and continues to gain recognition in aesthetics and beauty markets. RF has become popular in attracting patients due to the low downtime, clinical results and minimally invasive nature of the technology.¹

Candela has long been at the forefront of RF technology innovation — developing the unique elōs® technology that simultaneously leverages the power of bipolar RF and optical energy, enabling lower overall energy output for patient comfort without compromising results.



When it comes to choosing aesthetic treatments, patients are seeking out treatments that are:¹

- Minimally invasive with minimal downtime
- Innovative using clinically proven technology
- Safe and comfortable with predictable outcomes

Matrix™

Driven by a history of patented technology and thoughtfully developed solutions with proven result, Candela brings together three distinct RF modalities in a single device. **Maintain, correct and restore** skin for patients at various stages of the skin aging journey with the Matrix™ system, powered by **Dimensional RF™**.



Elevate Your Practice to New Dimensions

Powered by Dimensional RF™

- Multiple RF modalities working in 3 dimensional planes: epidermis, dermis and sub-dermis
- Multi-layer tissue heating to tailor treatments for patient needs
- Creates volume, depth and strengthens skin structure²

Compact, Yet Versatile and Easy to Use

- Lightweight, small footprint and mobile system with additional storage compartment
- 3-in-1 Dimensional RF™ platform, in a single device
- Easy, upgradable system allowing flexibility in your practice's growth
- Easy to use system with an intuitive GUI

Practice Growth

- Three unique treatment options to address needs across diverse skin types
- Ability to delegate treatments to physician extenders[^]
- Complementary treatment options to achieve a rapid ROI with additional revenue streams
- Treatment Summary Reports for efficient record-keeping

Patient Satisfaction

- Proven clinical results^{2,*}
- Designed to be minimally invasive with minimal downtime^{2,*}
- Customized treatment plan based on age and patient needs
- Provides real-time impedance feedback to ensure consistent energy delivery and maximize treatment efficiency



Accurate Delivery

Reliable, optimal outcomes



Adjustable Depth

Reduce treatment time and improve patient throughput



Thinnest Array of Microneedles**

Smoother insertion, increased patient comfort, minimal downtime^{2,*}

Powerful Performance with Exceptional Results Built on the Power of 3

The Matrix system is an easy-to-use revolutionary system with 3 unique modalities of RF energy. This multi-application device delivers a customized approach to the treatment of varying skin types and conditions* and provides you with the versatility to choose which solution is right for the patient.



Sublime™ Applicator

maintain skin health

Infrared Light + Bipolar RF

- Collagen stimulation
- Immediate and long-term wrinkles improvement



Sublative™ RF Applicator

correct skin health

Fractional Bipolar RF

- Stimulate collagen growth
- Facial ablation and resurfacing of skin
- Treat facial wrinkles
- Improve superficial skin tone and texture



Matrix Pro™ Applicator

restore skin health

Fractionated short pulse RF Microneedling

- Create new collagen^{3,4}
- Electrocoagulation and hemostasis of soft tissue
- Marked improvement of skin appearance and texture^{5,6}

The Matrix Pro Cartridge

Thinnest microneedle in the market**



- Proprietary 7 x 7mm matrix array of ultra-thin microneedles designed to improve patient experience and decrease downtime^{2,*}
- 34-gauge (0.16mm dia.) precision microneedles designed for smooth insertion
- Insulated microneedles to protect the epidermis with a 0.6mm exposed active tip length for targeted high density energy delivery
- Patent-pending needle delivery mechanism designed for smooth and consistent needle insertion

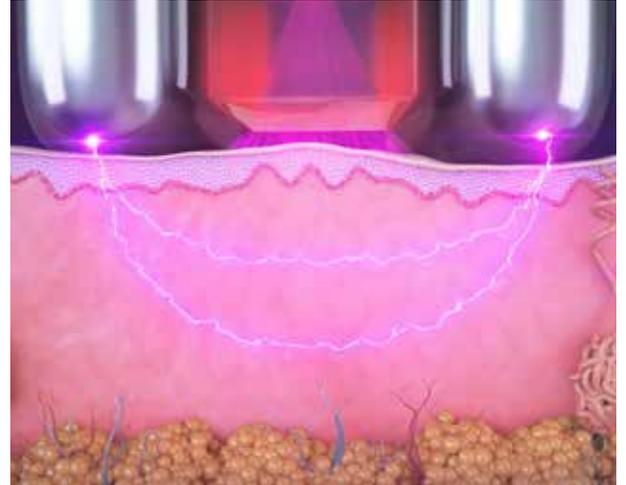


3 Modalities, 1 Powerful Platform

Sublime™ Applicator | Maintain

The Sublime™ Applicator is designed to heat skin layers with a combination of **infrared (IR) light and bipolar RF energies** targeting the superficial and deep dermis to **treat wrinkles for a smoother skin appearance**.^{3,4,5}

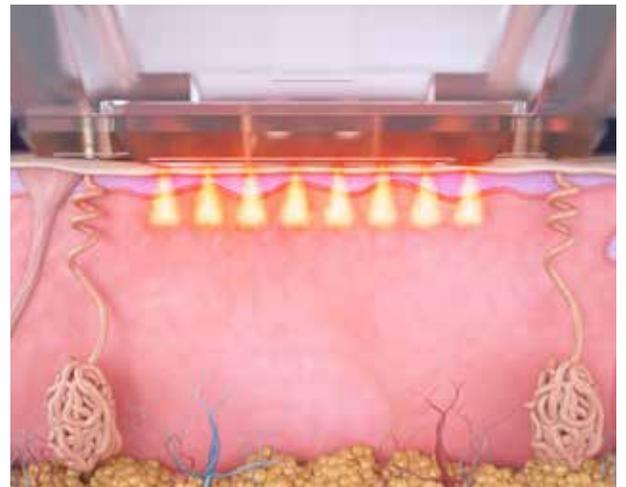
1. **Needle-less and noninvasive** application of energy for **collagen stimulation**.
2. Shortens aged collagen fibers to **treat wrinkles** for a **smoother skin** appearance.⁵



Sublative™ RF Applicator | Correct

The Sublative™ RF applicator delivers **bipolar RF energy** to the skin in a **non-invasive, fractional** manner, via an array of multi-electrode pins that stimulate fibroblast proliferation resulting in dermal remodeling.^{3,4}

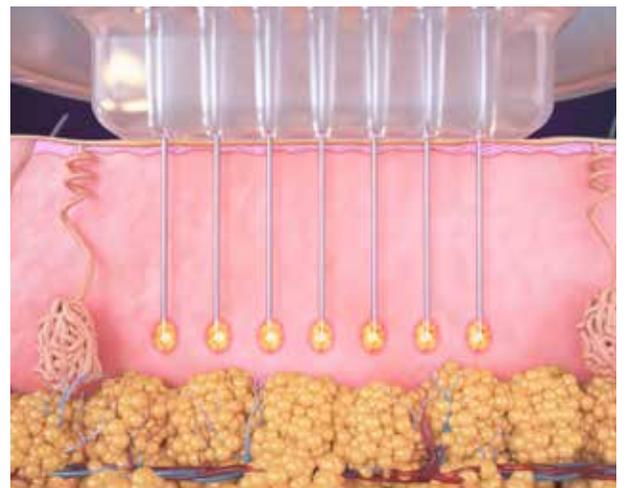
1. 5% surface sublation results in undamaged tissue between the electrode pins serving as a “healing reservoir.”
2. **New collagen growth** is stimulated using fractionated, bipolar RF technology with minimal epidermal disruption.^{8,9}



Matrix Pro™ Applicator | Restore

The Matrix Pro™ applicator delivers **short-pulse RF energy** to the skin in a fractional manner. It has up to **3 distinct user-controlled depth and energy settings** in a single insertion. Using **ultra-thin microneedles** that create precise and fractionated zones of thermal injury, the applicator stimulates the wound healing response and activates fibroblast proliferation.^{5,7}

1. **New collagen creation**^{3,4} as well as a marked **improvement in overall skin appearance** and texture.^{5,6}
2. **Self-adjusted energy delivery** based on tissue impedance to deliver **consistent outcomes**.



Depth Intelligence™ - The Next Level of Impedance Monitoring

Delivering A Distinctive Advantage in Short-Pulse Microneedling

Reach Up to Three Depths With a Single Insertion

The Matrix Pro™ applicator utilizes Depth Intelligence™ technology to deliver the right amount of energy at the precise depth, every time. Depth Intelligence technology combines adjustable depth, energy and real time impedance monitoring for customizable and consistent results.

Using a single cartridge for 1, 2, or 3 depths, this 3-in-1 capability eliminates the need for multiple treatment passes and:

- Deliver multi-layer tissue heating with one insertion
- Reduce treatment time with single-pass technique
- Improve patient experience and downtime^{2,*}



Three customizable depths (0.8 – 3.5mm) and energy (0.5 – 4 J) in a single insertion.



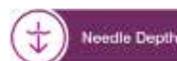
Impedance Monitoring

The Matrix™ system monitors tissue impedance across the 3 modalities to ensure consistent treatment outcomes.

The Matrix Pro™ applicator takes impedance monitoring to a new dimension by working at multiple depths. Using an advanced algorithm that:

- Constantly monitors various skin conditions
- Calculates and displays start and end impedance values in fractions of a second
- Allows users to adjust settings and technique, resulting in precise doses of energy throughout the treatment

Tissue impedance is based on many variables:



Clinically Proven Results, Minimal Downtime

Sublime™ Applicator



Sublative™ RF Applicator



Matrix Pro™ Applicator



Intelligently Redefined

Building on Candela's RF Technology Legacy

Matrix™ System Specifications

Operating Mode	Bipolar RF
Weight	22.5 kg / 50 lb
Dimensions (W x D x H)	39.4 x 57.4 x 135.6 cm / 15.5 x 22.6 x 53.4"
Pulse Duration	Variable
Electrical Requirements	100 – 240 VAC ±10%; 3A; 50-60Hz; Single Phase
System Display	15" High-resolution color LCD touchscreen

Matrix™ Applicator Specifications

	Sublative™ RF Applicator	Sublime™ Applicator	Matrix Pro™ Applicator
Weight	0.5 kg / 1.1 lbs	1.0 kg / 2.2 lbs	0.55 kg / 1.2 lbs
RF Energy	Up to 100 mJ/pin	50 – 200 J/cm ³	0.5 – 4 J
Wavelength		700 – 2000 nm	
Optical Fluence		6 W/cm ² ± 20%	100 – 240 VAC ±10%; 3A; 50-60Hz; Single Phase
Power Range	20 - 55 W	70 – 200 W	6 – 27 W
Impedence	44-pin: 270-2700 Ω 64-pin: 200-2000 Ω	50–500 Ω	50–2000 Ω
Electrodes	Two active bipolar electrodes	Two active bipolar electrodes	
Frequency			1 MHz, 3MHz
# of Microneedles			49 insulated microneedles (7x7 matrix array)
Microneedle Size			34 Ga (0.16mm)
Tip Size	12x12 mm (standard) 3x11 mm (focal)	8x12 mm	10 x 10 mm
# of Electrode Pins	64-pin (standard) 44-pin (focal)		

Matrix™

Radiofrequency, Intelligently Redefined.

For more information about how the Matrix system can help achieve your practice goals, contact your local Candela representative, or visit candelamedical.com



* Treatment considerations are under the discretion of the qualified licensed healthcare professional. Individual healing times, discomfort, treatment results and satisfaction may vary.
** Based on publicly available specifications as of Oct 2022

1. Energy Based Aesthetics Devices Report. October 2020. 2. DHF03167, Rev. A FUFT 2002 Clinical Study Report. 3. Hantash BM, Ubeid AA, Chang H, Kafi R, Renton B. Bipolar fractional radiofrequency treatment induces neoeostogenesis and neocollagenesis. Lasers Surg Med 2009;41:1–9 4. Weiner, SSF. Radiofrequency Microneedling: Overview of Technology, Advantages, Differences in Devices, Studies, and Indications. Facial Plast Surg Clin North Am. 2019 Aug;27(3):291-303. 5. The Matrix Pro applicator is indicated for general dermatological procedures for electrocoagulation and hemostasis. Profound Matrix 510(k) Premarket Notification (K211217), Dec. 2021. 6. Schallen KP, Dest N, Friedman D. Novel RF Microneedling Applicator for Wrinkle Reduction and Scar Treatment. ePoster presented at ASLMS 2022, the 41st annual conference of the American Society for Laser Medicine and Surgery, Inc. 7. Profound Matrix User Manual, Candela Data on File, 2022. 8. DHF24531 – Clinical Report eTwo. 9. Candela Sublative RF technical files DHF06101F.



Disclaimer: All contents of this material are for informational purposes only and provided by Candela without warranties of any kind. Healthcare professionals are solely responsible for making their own independent evaluation as to the suitability of any product for any particular purpose and in accordance with country-specific regulations. The availability of products and the indications mentioned in this material are subject to the regulatory requirements and product registration status in each country. Refer to the User Manual for country-specific indications. Products and technical specifications may change without notice.

© 2023 Candela Corporation. This material contains registered and unregistered trademarks, trade-names, service marks and brand names of Candela Corporation and its affiliates. All other trademarks are the property of their respective owners. All rights reserved. MKT101010EN-AP