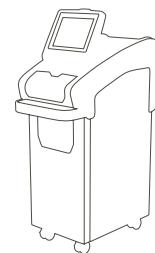


SCHWARZY

## Workout-free Muscle Toning?

Effortless and Progressive Muscle Strengthening Through Neuromuscular Stimulation

SCHWARZY stands out for Aesthetic Medicine & Body Shaping



**DEKA**  
Innate Ability

# SCHWARZY

EVOLVING EXCELLENCE

MUSCLE TONE  
AND DEFINITION

MUSCLE MASS INCREASE

FAT REDUCTION



## Key Principles

Schwarzy uses **TOP FMS Magnetic Stimulation technology** that interacts with the muscular tissues, inducing intense contractions. It acts on different body areas and in just a few sessions **increases muscles tone and volume, improving the posture.**

## Don't miss *Schwarzy* for:

### TOP FLAT Stimulation = Effective and Comfortable

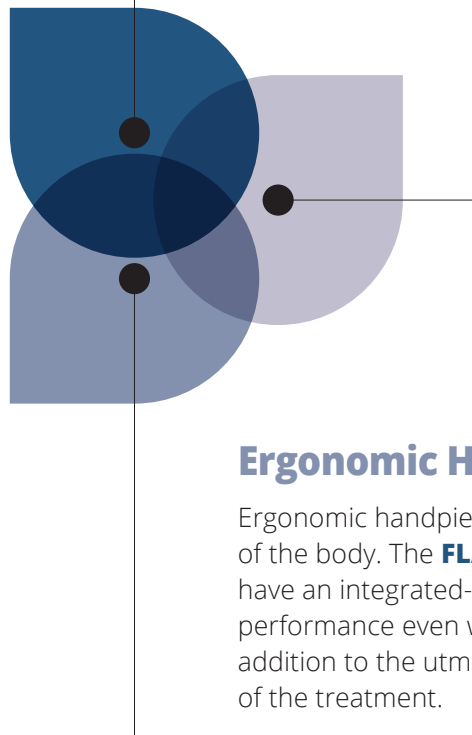
Thanks to **TOP FMS technology** the electrical field is distributed evenly over the area treated, without peaks of intensity. The uniform stimulation ensures better tolerance and efficacy of the treatment.

### Broader Patient Base

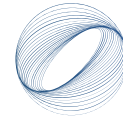
Thanks to the tailored training programs: **AEROBIC-SHAPING** and **STRENGTH**. Every patient can be treated based on their own specific characteristics, supporting them in progressive training.

### Ergonomic Handpieces (patent pending)

Ergonomic handpieces that adapt to the various parts of the body. The **FLAT**, **CURVE** and **ELLIPSE** handpieces have an integrated-liquid cooling system that ensures high performance even with prolonged use of the device, in addition to the utmost efficacy of the treatment.



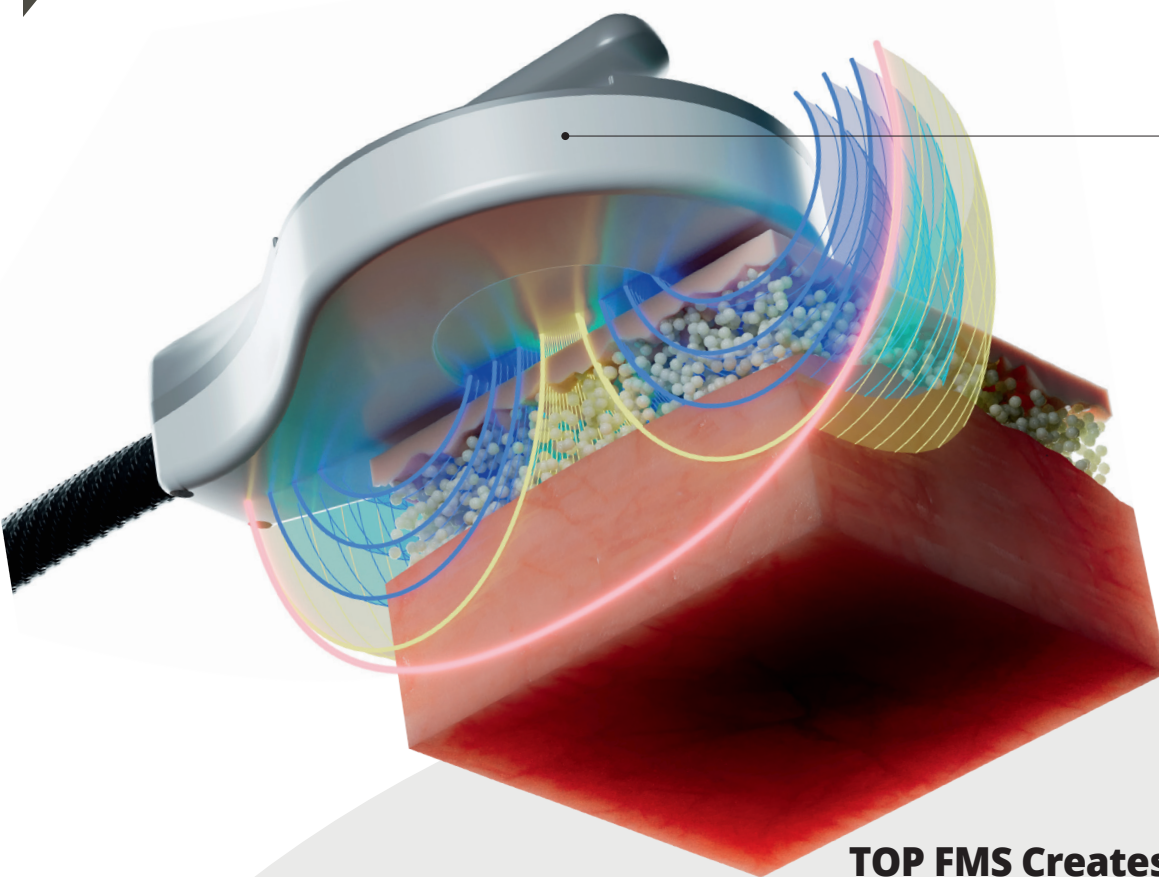
THE SCIENCE BEHIND



S C H W A R Z Y

## TOP FMS Technology: Homogeneity as Effectiveness

The special form of the electromagnetic field, fruit of DEKA Research and Development, enables **homogeneous distribution of the intensity**, without peaks that cause pain and poor tolerability by the patient.



TOP FMS technology elicits intense contractions that would otherwise be unachievable. The muscle reaches over 20,000 contractions during a session and responds by remodelling its structure and increasing its volume.

### TOP FMS Creates a Perfect Deep Electrical Stimulation Associated to Magnetic Stimulation

Electrical Stimulation (ES) acts on the peripheral nervous system by electricity using electrodes applied to the skin and sends current through the tissue: treatment is painful and not intense enough to reach muscles.

Moreover, gel must be applied to the areas being treated. Magnetic stimulation - on the contrary - does not have to pass through the relatively high resistance of the skin, meaning that pain receptors are not activated. Thus, **magnetic stimulation can activate the peripheral muscles without the pain experienced by electrical stimulation.**

## PADS DESIGNED FOR MAXIMUM COMFORT (Patent pending)

The pads are ergonomic and were developed to adapt to and interact in an excellent way with the area treated.



## 3 DIFFERENT SHAPED PADS

### FLAT

mainly suitable for  
upper legs/thighs and buttocks



### CURVE

mainly suitable for lower  
legs and forearm

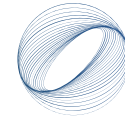


### ELLIPSE

mainly suitable  
for abdomen



THE SCIENCE BEHIND



S C H W A R Z Y

## Tailored & Progressive Training Programs

The Schwarzy training program is indicated for resumption or strengthening of physical activity by level of physical condition:

**sedentary people** with reduced muscle tone  
**moderately active** people with normal muscle tone  
**fit people** who are used to strength training

### 3 different protocols are available depending on the patient's fitness level

#### Aerobic



Starting workout protocol for untrained subjects.

#### Shaping



Muscle work aimed at recovering muscle trophism and tone. This is the recommended starting workout protocol for subjects who do not perform regular physical activity.

#### Strength



Muscle work aimed at increasing muscle strength and building up muscle mass. This is the starting workout protocol for fit subjects.

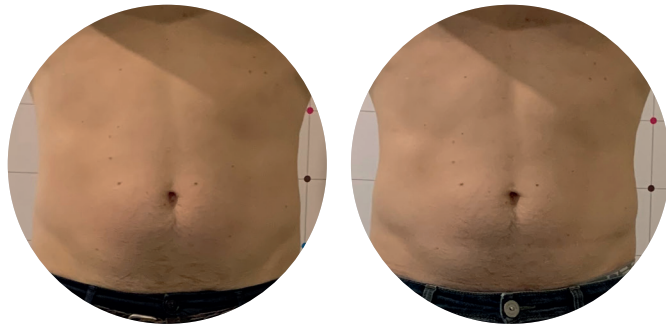
Each protocol consists of 2 modules (#1 and #2) of increasing intensity, to be performed in chronological succession:

#1 - beginner step, to apply the initial treatments of the series;

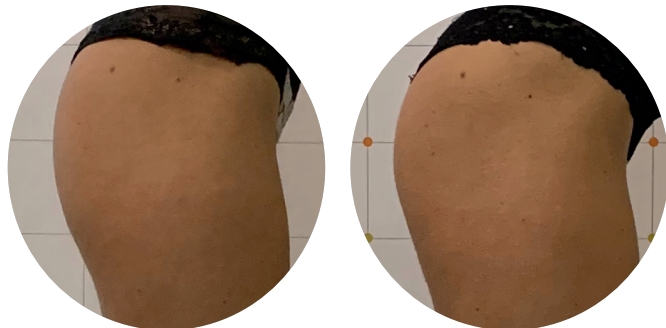
#2 - advanced step, to apply when well tolerated by subjects, to progress with the series of treatments.



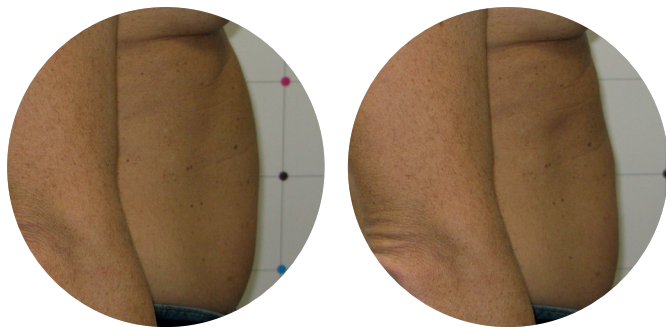
## Clinical Results



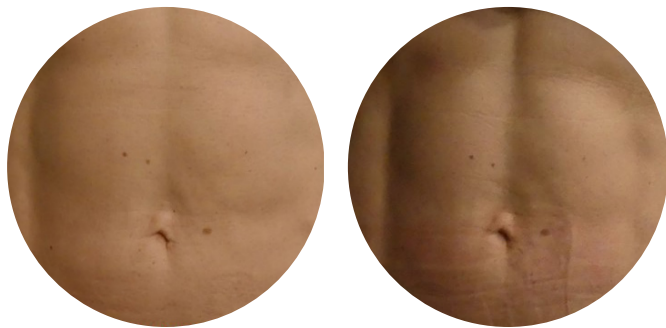
Schwarzy.  
Courtesy of **A. Leone**, M.D.,  
Pescara, Italy



Schwarzy.  
Courtesy of **A. Leone**, M.D.,  
Pescara, Italy



Schwarzy.  
Courtesy of Prof. **P. Bonan**, M.D.,  
Florence, Italy



Schwarzy.  
Courtesy of **G. Turra**, M.D.,  
Rudiano (BS), Italy



# Knowing our Potential Customers and Markets

The Body Shaping sector has advanced very rapidly in recent years and the trend will continue. There has been huge growth in the body contouring market, especially among young generations. There is **shifting consumer interest in non-invasive body sculpting** compared to other, more established energy-based device markets.



**\$1.0 Billion\***

GLOBAL MARKET FOR BODY SHAPING IN 2019



**+4,8%\***

PROJECTED COMPOUND ANNUAL GROWTH RATE THROUGH 2024



**OVER 3.9 billion \$\***

EXPECTED THROUGH 2026

\* Medical Insight – Energy Based Body Shaping (August 2020)



## The Floor to Practitioners

“ Schwarzy is a device that stimulates an increase in muscle mass and decreases fat mass. It takes advantage of an electromagnetic field that can elicit most muscle tissues in the area to be stimulated. We recommend Schwarzy to improve the silhouette deep down, both for those who are not fit and for those whose muscle mass is well defined, but who want to develop or define a muscle group that can't be developed with exercise. With Schwarzy every area can be treated: the front and inside of the thighs, the calves and the biceps.”

**Dr. Giovanni Turra, M.D.** – Plastic Surgeon (Italy)

“ The basal metabolic rate is directly proportional to the lean mass, which is developed by exercising. With Schwarzy we generate a virtuous circle: by increasing muscle mass, metabolism is reactivated, with toning and strengthening of muscle mass. The treatment is suitable for all those who want to rebalance the lean mass / fat mass ratio - the basis of a healthy metabolism.”

**Massimo Gualerzi, M.D.** - Cardiologist (Italy)



### Latest Scientific Publications about TOP FMS

**A New Protocol to Treat Abdominal Subcutaneous Fat Combining Microwaves and Flat magnetic stimulation.**

*Bioengineering.* Prof. Nisticò S. et al.

**Evaluation of Safety and Efficacy of a New Device for Muscle Toning and Body Shaping**

*J Cosmet Dermatol.* Dr. Leone A. et al.

**Schwarzy: The New System for Muscle Toning and Body Shaping.**

*J Cosmet Dermatol.* Dr. Mezzana P. et al.

THE PERFECT MATCH

## SCHWARZY'S STRENGTHS

- Exclusive **TOP FMS** magnetic field emission
- **Non-invasive** system
- **No dermo-epidermal** involvement
- **Painless**
- **Progressive workout** tailored for any patient
- **No** consumables

 **Only for DEKA Users:**  
a great support in medical practice  
**DEKA** *Club*



Scan and see  
**SCHWARZY** in action

# Technical Specifications

SCHWARZY	
Type of Energy	Electromagnetic Field
Intensity	Up to 2.5 T
Repetition Rate	1-150 Hz
Pulse Duration	250 $\mu$ s $\pm$ 20%
Dimensions and Weight	73 (H) cm x 126 (D) cm x 41 (W) cm   60 Kg

This brochure is not intended for the US market.

The Schwarzzy system was designed specifically to respect the maximum power limit of the magnetic field on patients, pursuant to international laws.

The induced electric field generates uniformly distributed currents on the muscle for stimulation.

These currents (measured in mA/cm<sup>2</sup>) are within the limits established by law.

CE  
1282

  
S C H W A R Z Y

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Innate Ability

Follow us on  
     
[www.dekalaser.com](http://www.dekalaser.com)

Dealer stamp



**DEKA M.E.L.A. s.r.l.**

Via Baldanzese, 17 - 50041 Calenzano (FI) - Italy  
Tel. +39 055 8874942 - Fax +39 055 8832884

#### DEKA Innate Ability

A spin-off of the El.En. Group, DEKA is a world-class leader in the design and manufacture of lasers and light sources for applications in the medical field. DEKA markets its devices in more than 80 countries throughout an extensive network of international distributors as well as direct offices in Italy, France, Japan and the USA. Excellence is the hallmark of DEKA's experience and recognition garnered in the sphere of R&D in over thirty years of activity. Quality, innovation and technological excellence place DEKA and its products in a unique and distinguished position in the global arena. DEKA manufactures laser devices in compliance with the specifications of Directive 93/42/EEC and its quality assurance system is in accordance with the ISO 9001 and ISO 13485 standards.