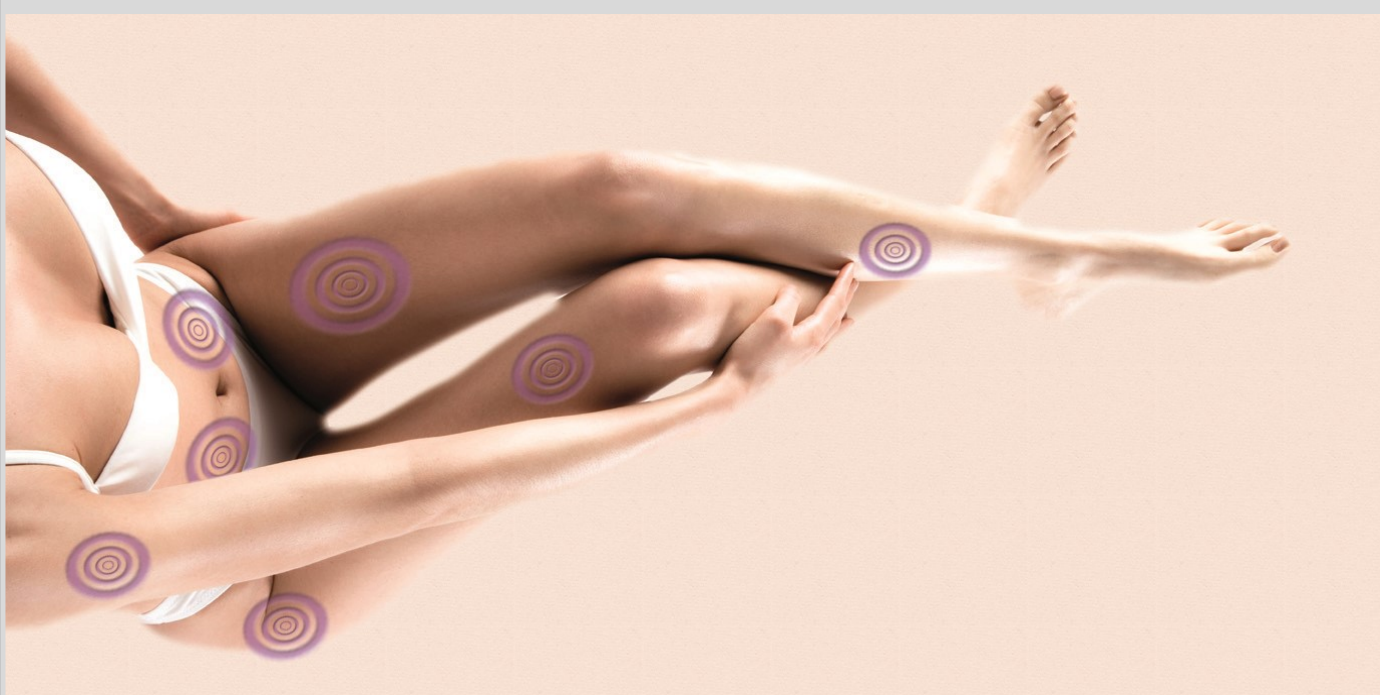


TONE UP BODY SCULPTURE



EURTRONIK™
your innovating solutions



TONE UP

Tone Up is a selective mechanical/sound wave system for body/face treatments in the field of aesthetic medicine or professional aesthetic. The vibratory stimulus applied by Tone Up to certain muscles can get, in a few hours of application, a real muscle tone as well as a general improvement in well-being.

How It works

The most important component of TONE UP is an air generator with variable-multipoint geometries, expressly designed for generating vibrations. Sequences of compression and decompression are transmitted to dedicated bell shaped applicators that are able to generate a proper mechanical/sound wave. That induces the desired aesthetic effect.



Operating Principle

ACTION ON MUSCLES

The applicator is positioned on the muscle: the sound wave generates a proper vibration of the tissue.

The vibration reach the mechanoreceptors, generating a signal that moves trough the Peripheral Nervous System.

The signal reaches the spinal cord and than the brain where a sensory-motor interaction occurs.

This interaction induces a neural change and modifies the fibre recruitment pattern.

ACTION ON ADIPOSE TISSUE

The applicator is positioned on the tissue: the sound wave generates a proper vibration.

The vibration generates friction and consequently heat (Joule effect).

- Increase in microcirculation
- Vasodilation
- Lipolysis
- Detachment of fibrous network

Results

Toning Up Path: the increase in muscle tone, and a more compact and dense tissue internally, make the skin more taut, toned and radiant.

Cellulite treatment and after liposuction: the improvement in circulation and the consequent re-oxygenation of the tissue reactivate venous and lymphatic system, reducing swelling and increasing the drainage of fluids. In addition, the vibrations generated by the oscillatory action, determine the detachment of adipocytes (responsible of the fibrous network and "orange peel" effect), so as to reduce the blemish from the first treatment.

Complement to beauty treatments: Tone Up relaxes muscles and gives expression to your face, therefore, Its treatments are suitable to be carried out after sessions of biostimulation, fillers, microdermabrasion, chemical peelings.

Complement to a slimming diet: it facilitates and accelerates the path to slimming making the results most evident and immediate.

Support of sport and daily activities: Tone Up increases muscle strength, endurance, coordination and reduces fatigue.

Innovations and Features

Customizable Parameters

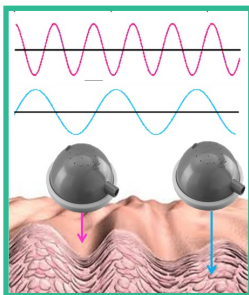
Each therapy can be customized according to the needs and health of the client. Using TONE UP you can choose the innovative and exclusive values of :

FREQUENCY

An increase in the frequency corresponds to a decrease in the depth of penetration into the skin. To be sure that the wave acts on various skin layers (at various depths) is necessary to obtain a wide range of frequency,

TONE UP provides a very huge range of Frequency

[0-900 Hz]



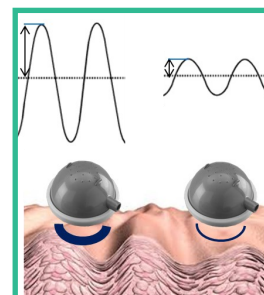
AMPLITUDE

An increase in the amplitude corresponds to an increase in the pressure applied to the skin. To be sure that the wave reaches the muscle, winning the damping generated by the adipose tissue, it is necessary to have a wide range of amplitude.

SELECTABLE LEVELS OF PRESSURE

10 Amplitude Levels

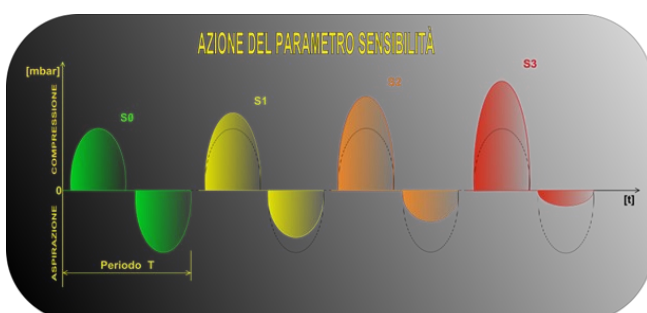
[0- 600 mBar]



SENSITIVITY

This parameter, **NEW ADDICTION INVENTED AND PATENTED BY EURTRONIK** , acts on the waveform: the waves maintain, in absolute value, the same amplitude, but have a suction intensity greater than the compression one.

Thanks to the Sensitivity, TONE UP offers 40 different levels of suction/compression.



Using the Sensitivity, it **reduces the vacuum effect** caused by alternated cycles of suctions and compressions, making the treatments safe for people with fragile capillaries.

Process Control System

The innovative process control system ensures **safe treatments** and **high levels of effectiveness**. In the common systems, the vibratory waves are not controlled, the wear can, therefore, affects the treatments changing the value of the parameters, with negative consequences for the customer.

TONE UP, instead, via a closed loop control and processing the feedback signal returning from the customer, ensures that the **values of amplitude, frequency and sensitivity, selected on the display, are actually transmitted to the tissues for all the time.**

Technology

14 splittable outputs allow to handle up to 28 muscle groups **SIMULTANEOUSLY**:

- **Ergonomic applicators**, available in 3 sizes, are made of ABS and equipped with biocompatible medical silicone rubber disk. The dome is attached to the treated area by means of an elastic band with velcro. To ensure a stable position of the dome, during the treatment, this presents a pointed ends that penetrate the elastic band without damaging it.
- **Single applicator for trigger points treatment.** It is equipped with spiralled termination which avoids the occlusion of the air flow.



Design

Elegant and ergonomic design with an air distributor positioned towards the customer. The air valves can be selected depending on the requirement.

The instrumentation is contained in a Accessory Case:

- Complete set of bands for fixing applicators;
- Set of high sound transmission tubes and V/Y-shaped flow splitter;



Software

- A sophisticated software automatically organizes the treatments reducing the time processing, improving and optimizing the organization of work and the use of resources, materials and money involved;
- 15 pre-set application protocols;
- Guided treatment configuration via interactive maps for applicators position;
- System for the development of programs “ad hoc”: Tone UP allows to create and store new protocols.
- Registration and comparison of body measurements:

Waist Girth

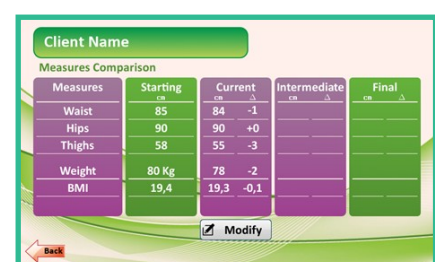
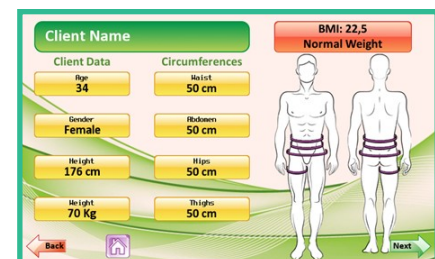
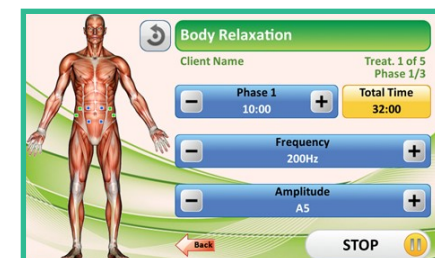
Abdomen circumference

circumference of Hips

height

Weight

You can also see a table with the history of body measurements recorded during a cycle of treatments, so that the customer will realize, and appreciate, the physical improvements.

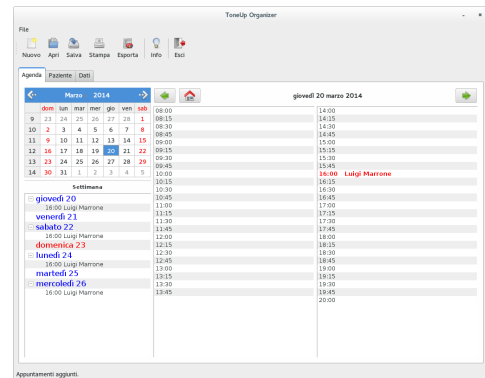



- BMI Calculation (Body Mass Index): indicator of healthy weight;
- Customizable protocols;
- TONE UP allow to manage up to 6 temporal consecutive phases for each treatment. For each phase you can adjust frequency, amplitude, sensitivity, duration, pause, and the position of the applicators.

Software Organizer

The software on the device communicates with the Organizer software on your PC through a USB pen drive.

- **Data and treatments**, performed by each customer, are stored in the Pen Drive;
- It automatically creates a **database-management agenda (Planning Function)**: a modern and useful tool that allows to manage of all appointments;
- **Software synchronization and updating on PC via USB**;
- **Programming therapies at a distance**: the software for PC allows to manage the treatments for each customer (protocols, applicators positions and appointments).. This information, stored in a file, can be transferred to the USB stick and loaded on the device that will be ready to start a treatment;
- **Creating a follow up calendar for the customer**: it contains dates of appointments, logos, information and an informative or promo-






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Cliente: AAAAAAA	Attività fisica: attiva	Misure Iniziali Intermedie Finali
Peso: 50kg	Vena evidenti: poche	Vita: 66cm
Trattamenti: 12	Localizzazioni: ginocchia e cosce	Fianchi: 95cm
Sedute: 12	Problematica: cellulite fibrosa lieve	Cosce: 78cm

1	RITENZIONE IDRICA Totale Giovedì, 12 maggio 2011 - 12:45	7	ADIPE Ginocchia e cosce Venerdì, 03 giugno 2011 - 12:45
2	RITENZIONE IDRICA Ginocchia e cosce Lunedì, 16 maggio 2011 - 10:30	8	LINFODRENAGGIO Totale Lunedì, 06 giugno 2011 - 12:00
3	GAMBE PESANTI Ginocchia e cosce Giovedì, 19 maggio 2011 - 12:00	9	ADIPE Ginocchia e cosce Lunedì, 13 giugno 2011 - 11:15
4	GAMBE PESANTI Ginocchia e cosce Lunedì, 23 maggio 2011 - 12:00	10	LINFODRENAGGIO Totale Lunedì, 20 giugno 2011 - 11:15
5	MASSAGGIO SPORTIVO Totale Giovedì, 26 maggio 2011 - 12:45	11	ADIPE Ginocchia e cosce Lunedì, 27 giugno 2011 - 11:15
6	LINFODRENAGGIO Totale Lunedì, 30 maggio 2011 - 12:45	12	RITENZIONE IDRICA Multizona Lunedì, 04 luglio 2011 - 10:30

Gentile CLIENTE, prova DIVAMED PRESS TOUCH e sottoscrivi un abbonamento, il primo trattamento è in omaggio per te!



Compimenti per la cella DIVAMED.
Complice intelligente del tuo benessere.



Marking

- Dir. LVD 2006/95/CE – LV
- Dir. EMC 2004/108/CE
- Tone Up complies with D.L. n. 110 of 12 May page n. 14 (Article 10, paragraph 1 of the Law of 4/01/1990, n. 1, electro-mechanical equipment used in aesthetic)
- CE MEDICAL DIR. 2007/47/CE

Protocols

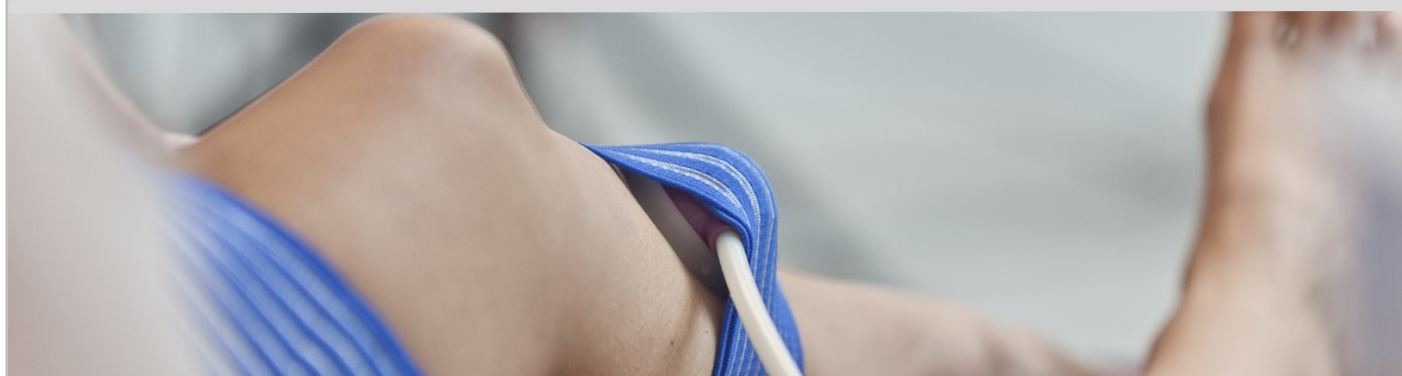
Protocols	Description	Applicator
Face Lifting	Toning facial muscles	Single Applicator
Push up décolleté	Toning and strengthening the pectoral muscles of the breast	Single Applicator
Face and décolleté Lifting	Toning facial muscles and strengthening the pectoral muscles of the breast	Single Applicator
Back's decontracture	Stress relieving and decontracturing effect	Ergonomic applicators
Shoulders' decontracture	Shoulders' Stress relieving	Ergonomic applicators
Back Relaxation	Abdomen relax	Ergonomic applicators
Light legs(*)	Legs relax and drainage	Ergonomic applicators
Arms Relaxation (*)	Stress relieving, drainage and toning of arms	Ergonomic applicators
Body Relaxation (*)	Stress relieving, drainage and toning of the whole body	Ergonomic applicators
Cellulite and Muscles tone	Improve of muscles tone and detachment of fibrous network	Ergonomic applicators
Reshaped and toned body (*)	Improvement and optimization of muscle tone, endurance and coordination	Ergonomic applicators
Body energizing	Improvement in vigour and in well-being	Ergonomic applicators
Reshaped abdomen (*)	Action on abdominal muscles	Ergonomic applicators
Strong action on body (*)	Combination of different protocols to reach a stronger effect	Ergonomic applicators
Sport	Increase in muscles strength and in exercise tolerance; reduction of fatigue	Ergonomic applicators

(*) The ergonomic applicators can be use at the same time as single applicator

Benefits and Innovations

CUSTOMER'S BENEFIT	BENEFIT FOR YOU	INNOVATIONS
Treatments scientifically determined	1 minute to determine the therapy	Treatments automatically determined
Therapy is not painful and very relaxing; fast improvements	Guided treatment configuration	15 pre-set application protocols; interactive maps for applicators position
Evidence of aesthetic results	The customer is satisfied	Scientific concepts
No Waiting times	Easy to use	Intuitive interface
Registration and comparison of body measurements	Fast and easy assembling	Ergonomic air distributor and applicators; suitcase for accessories
Customizable treatment	Tuneable parameters	Physic parameters: frequency, amplitude, sensitivity
Appointment calendar	Database management agenda	Data stored in USB Key
New addition on market	Free Advertising	Software ORGANIZER
Sense of assurance	High level of hygiene	Resistant, disinfect and biocompatible materials
Comfort	Organization	Creation and store new protocols
High technology	Advantageous cost-benefit ratio	Fast updates with USB key

Recover lost Tone and
make the muscles look more attractive!!



Bibliography

- G. E. Lucier, D. C. Rüegg, and M. Wiesendanger. Responses of neurons in motor cortex and in area 3A to controlled stretches of forelimb muscle in cebus monkeys. *J. Physiol.*(1975), 251, pp 833-853
- E. P. zehr. Training-induced adaptive plasticity in human somatosensory reflex pathways. *J Neurophysiol*, Dec 2006;101(6):1783-1794
- Y. Chen, X. Y. Chen L. B. Jakeman, L. Chen, B. T. Stokes and J. R. Wolpaw. Operant conditioning of H-Reflex can correct a locomotor abnormality after spinal cord injury in rats. *J. Neurosci.*, Nov 2006;26(48):12537-12543.
- X. Y. Chen, L. Chen, Y. Chen and J. R. Wolpaw. Operant conditioning of reciprocal inhibition in rat soleus muscle. *Neurophysiol*, Oct 2006;96(4):2144-2150
- R.Casale,H.Ring,A.Rainoldi. High frequency Vibrations conditioning stimulation centrally reduces myoelectrically manifestation of fatigue in healthy subjects. *Journal of electromyography and Kinesiology* 19 (2009) 998-1004
- R. Saggini, J. Vecchiet, S. Iezzi, D. Racciatti, G. Affaitati, R.G. Bellomo, E. Pizzigallo. Submaximal aerobic exercise with mechanical Vibrations improves the functional status of patient with chronic fatigue syndrome. *Eura Medicophys* 2006;42:97-102
- R. Saggini, R.G. Bellomo, A. I. De Antoni, C. Aventaggio, V. Coco. Trattamento riabilitativo del piede piatto di IV grado nell'adolescente: modificazioni morfologiche e dinamiche. *Eur Med Phys* 2008;44(Suppl. 1 to No. 3)
- Jin Luo, Brian McNamara and Kieran Moran. The use of Vibrations Training to Enhance Muscle Strength and Power. *Sports Med* 2005: 35(1):23-41
- Issurin VB. TONE Uptions and their applications in sports. A review. *J Sports Med Phys Fitness*. 2005 Sep;45(3):324-36

- Tiziana Pietrangelo, Rosa Macinelli, Luana Toniolo, Lina Cancellara, Antonio Paoli, Cristina Puglielli, Pierpaolo Iodice, Christian Doria, Gerardo Bosco, Luigi D'Amelio, Guglielmo Di Tano, Stefania Fulle, Raul Saggini, Giorgio Fano and Carlo reggiani. Effects of local Vibrations on skeletal muscle trophism in elderly people: Mechanical, cellular, and molecular events. *International Journal of Molecular Medicine* 2009; 24: 503-512
- Ian M. Wilcock, Chris Whatman, Nigel Harris, Justin WL Keogh. Vibrations training: Could it enhance the strength, power, or speed of athletes? *Journal of strength & conditioning research*. March 2009, volume 23- Issue 12 – pp 593-603
- P. Aagaard. Making muscles "stronger": exercise, nutrition, drugs. *J Musculoskel Neuron Interact*. 2004;4(2):165-174
- G. Fatouros, A. Kambas, I. Katrabasas, K. Nikolaidis, A. Chatzinikolau, D. Leontsini, K. Taxildaris. Strength training and detraining effects on muscular strength, anaerobic power, and mobility of inactive older men are intensity dependent. *Br J Sports Med* 2005;39:776-780
- K. Thompson, X. Y. Chen, J. R. Wolpaw. Acquisition of a simple motor skill: task dependent adaptation plus long-term change in the human soleus H-Reflex. *The Journal of Neuroscience*, May 2009;29(18):5784-5792
- P. Iodice, R. G. Bellomo, G. Gialluca, G. Fanò, R. Saggini. Acute and cumulative effects of focused high-frequency TONE Uptions on the endocrine system and muscle strength. *Eur J app Physiol*,2011; 111:897-904
- L.A. Dessy, C. Monarca, F. Grasso, A. Saggini, E. M. Buccheri, R. Saggini, N. Scuderi. The Use of Mechanical Acoustic Vibrations to Improve Abdominal Contour. *Aesth Plast Surg*(2008);32:339-345
- Fattorini L, Ferraresi A, Rodio A, Azzena GB and Filippi GM: Motor performance changes induced by muscle vibration. *Eur J Appl Physiol* 98: 79-87, 2006.

- Samuelson B, Jorfeldt L, Ahlborg B: Influence of vibration on endurance of maximal isometric contraction. *Clin Physiol* 9:21-25, 1989.
- G. Eklund, K.-E. Hagbarth Normal variability of tonic vibration reflexes in man. *Experimental Neurology* Volume 16, Issue 1, September 1966, Pages 80–92. Department of Clinical Neurophysiology, University of Uppsala, Uppsala, Sweden
- Milner-Brown M.S., Stein R.B. e coll Synchronization of human motor units: possible roles of exercise and supraspinal reflexes *Electroenceph. Clin. Neurophysiol.* 38:245, 1975.
- Kershan-Schindl, K., et al. (2001). Whole-body-vibration exercise leads to alterations in muscle blood volume. *Clin Physiol.* 21:377-82
- Caffarelli E, Layton-Wood J. Effect of vibration on force sensation in fatigued muscle. *Med Sci Sports Exerc* 1986;18:516–81.
- Jordan MJ, Norris SR, Smith DJ, Herzog W. Vibration training: an overview of the area, training consequences, and future considerations. *J Strength Cond Res* 2005;19:459–66.
- F.Pagella, G.Chiappano, G.Reggiani,D.Di Biase, D.Giuffre', C.M.Traverso, D.Lagorio," Le vibrazioni muscolari selettive nel trattamento delle patologie neuromuscolari". 9th Mediterranean Forum of Physical and Rehabilitation Medicine 40th SIMFER Congress "The Rehabilitation Medicine in the Mediterranean Area: Strategies and Experiences, 2013.



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BODY SCULPTURE



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