



Value Innovation

EMS Body Massager

EEB-181



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Korea Design : 30-2018-0016203

“When muscles collapse, your body and health collapse”

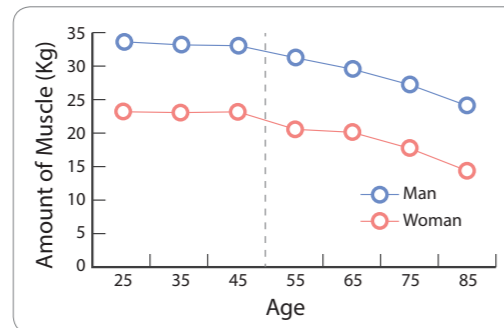
1 Body muscles are very related to various diseases.
Muscles have the ability to smooth blood circulation and purify the blood because they increase the mitochondria that burn fat in the blood.

2 Skeletal muscles play a very important role in life maintenance.
Skeletal muscle occupies about 40%~50% of the body's total body mass.
It is an important tissue that absorbs about two-thirds of the glucose ingested into the skeletal muscle through insulin and uses it as an energy source.

3 By aging, muscles that affect activity and natural healing power are decreasing day by day.

Women have 50% muscle mass and 200% fat compared to men

- Late 20s : Starting to lose muscle mass
- 50s : Muscle weight decreased by 1~2% / year
- 60s : 30% loss of muscle mass
- 80s : 40 ~ 60% loss of total muscle mass



“Reduced muscle mass causes Sarcopenia”

“Sarcopenia is a phenomenon in which muscle strength decreases by the aging, accompanied by a decrease of the skeletal muscle mass as the number and the cross-sectional area of muscle fibers decrease.”

- If muscle is reduced, glucose is less likely to be consumed as an energy source and will remain in the body, increasing the risk of developing diabetes.
- If you lose muscle, even if you eat the same amount of food, the amount of calories you consume through your metabolism is low, which increases the risk of vascular disease by accumulating fat in your blood.
- If you lose muscle, you will not be able to keep your joints from bumping into each other.

“ How does the EMS BODY MASSAGER relate to muscles? “



It is a personal massage device for building a resilient and healthy body that gives you strength exercise effect with electric stimulation alone.

- EMS Body Massager stimulates muscles with low / medium frequency that helps to improve muscle function, maintain muscle tension, relieve muscular dysfunction by increasing muscle blood flow, and strengthen muscles.
- EMS Body Massager is helpful for to relieving pain, circulation, metabolism and regeneration by stimulating the body and muscles with low / medium frequency, ultrasound, and heat to meet the purpose of stimulation of the body by physiotherapeutic basis.
- Helps to regenerate cartilage through compound stimulation of electrical stimulation and low intensity ultrasound.

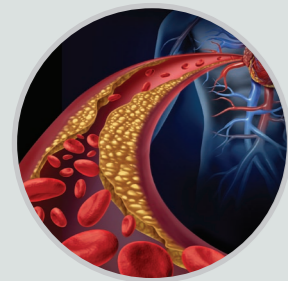
Efficacy Effects



- Strengthen Muscles
- Disease Prevention and Health Recovery



- Pain Relief



- Improve Blood Circulation
- Improve Immunity and Cell Tissue Regeneration



- Body shape and Obesity Management

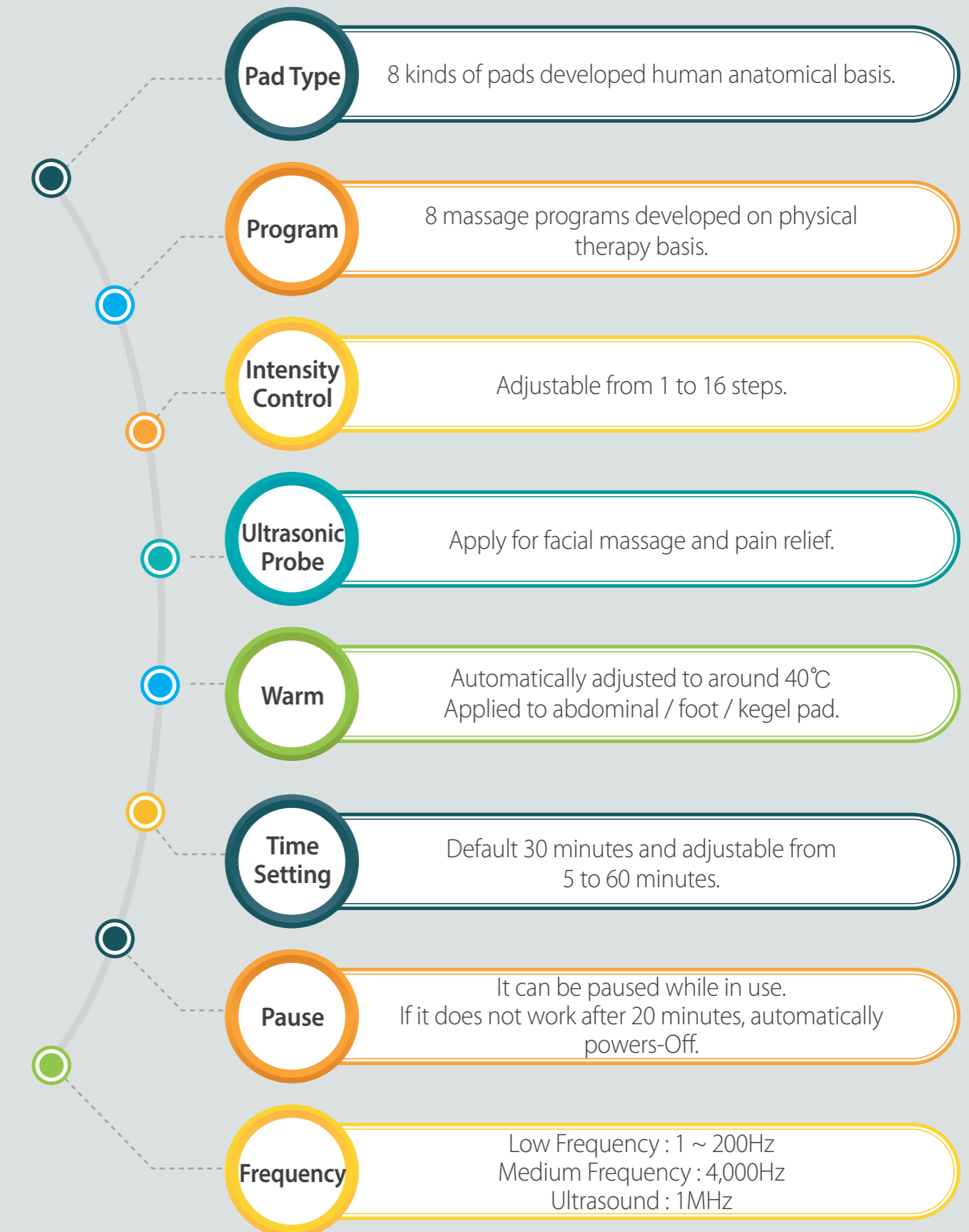


- Skin Care

“ EMS BODY Massager is needed for every family ”



Functions



“Get the world’s first and best features with your family”

Abdominal Pad



- The electrodes were placed on the basis of the anatomical contraction direction of the Six Pack muscles, and massages with 3-channel low / medium frequency
- Helps increase metabolism and energy use due to abdominal and body temperature rise

Shoulder Pad

World First



- Separately massage Levator Scapula and Trapezius with 2 channels of low / medium frequency
- Improve blood circulation to the head as a result of stiff muscle relaxation helps to reduce headache and improve concentration, and helps strengthen shoulder muscles

Vertical Muscle Pad

World First



- Placed the electrodes in the longitudinal direction taking into account the anatomical location and contraction direction of the muscles
- Repeated muscle contraction facilitates fat decomposition and facilitates vein reflux by longitudinal pumping of muscles to help alleviate edema
- Helps strengthen muscles in the forearm and calves

Thigh Pad

World First



- Massage the outer broad muscle (Vastus Lateralis) and the inner wide muscle (Vastus Medialis) to strengthen the thigh muscles.
- Strengthening thigh muscles to purify blood vessels and control diabetes
- Prevention of arthritis and relief of pain through stability of knee joint



Foot Pad



Shoulder Pad



Ultrasonic Probe



Vertical Muscle Pad



Knee Pad

World First



- Ultrasonic wave and low / medium frequency are simultaneously applied to the knee so that the ultrasonic electrode transmits both sound energy and electric energy
- Helpful to regenerate knee cartilage and relieve pain for early patients with knee cartilage wear
- Help strengthen muscles of the femur to increase the stability of the knee joint

Kegel Pad



- Helps urinary incontinence prevention and early treatment, and to revitalize sex life by strengthening pelvic floor muscle
- Strengthens hip muscle to protect and prevent back and knee

Foot Pad

World First



- Low / medium frequency, ultrasound and warm stimulations help to massage feet and to circulate blood of diabetic patients and people
- Ultrasound generates deep heat to help relieve inflammation and pain in patients with plantar fasciitis

Multipurpose Pad



- Attaching it to the area of body to massage

Ultrasonic Probe



- Skin care and pain relief of body

“ Massage program (mode) developed physiotherapeutic basis can be used for pad-specific purposes ”

Massage Program	Efficacy Effects
1. Comprehensive mode	Circulation, metabolism, muscle contraction/relaxation, regeneration
2. Circulation/ Metabolism mode	Vasomotor increase, vasodilatation, blood flow increase, lymphokinesis increase Promotion of metabolism caused by local or indirect systemic temperature rise
3. Acute pain mode	Ease of acute inflammation and pain control by gate control theory
4. Chronic pain mode	Ease of chronic inflammation and pain control by ascending pain theory
5. Muscle Contraction (Strengthening) Mode	Blood vessel pumping effect caused by increase in muscle strength and muscle contraction
6. Muscle relaxation mode	Relaxation against muscle spasm and systemic stability effect
7. Regeneration mode	Ease of inflammation of tendon, ligament, muscle and cartilage, injury healing / cartilage regeneration
8. Kegel mode	Muscle contraction effect for pelvic floor

“ Massage program(Mode) available per pad ”

Massage Program	Knee Pad	Abdominal Pad	Kegel Pad	Thigh Pad	Shoulder Pad	Vertical Muscle Pad	Multipurpose Pad	Foot Pad
1. Comprehensive mode	-	●	-	●	●	●	●	-
2. Circulation / Metabolism mode	●	●	-	●	●	●	●	●
3. Acute pain mode	●	●	-	●	●	●	●	●
4. Chronic pain mode	●	●	-	●	●	●	●	●
5. Muscle Contraction (Strengthening) Mode	-	●	-	●	●	●	●	-
6. Muscle relaxation mode	-	●	-	●	●	●	●	-
7. Regeneration mode	●	●	-	●	●	●	●	●
8. Kegel mode	-	-	●	-	-	-	-	-

“ Smart and Easy of Use ”



Description of Functions

- 1 Power On / Off Button
- 2 Thermal Function Off / On Button (the product is set as "On" all the time)
- 3 Display of Thermal Function Status
- 4 Mode Selection Button (number changes whenever Mode button is pressed)
- 5 Display of Selected Mode by Pad
- 6 Intensity Adjustment Dial
- 7 Display of Intensity by Pad
- 8 Use Time Adjustment Button (time is changed by 5 minute units)
- 9 Display of Time Remaining
- 10 Ultrasound Probe On/Off Button
- 11 Display of Ultrasound Probe Operation
- 12 Temporary Pause / Restart Button
- 13 Foot Pad Selection Button
- 14 Knee Pad / Thigh Pad Selection Button
- 15 Abdomen Pad / Kegel Pad Selection Button
- 16 Shoulder Pad Selection Button
- 17 Vertical Muscle Pad / Multipurpose Pad Selection Button
- 18 Display of Product Status
- 19 Display of Frequency Status

Introduction of Family Products



Low Frequency Foot Massager

The foot is the second heart.
Massage your feet with low frequency and warmth.

- Foot reflexology restores foot fatigue and improves health
- Improve blood circulation by pumping blood vessels
- Strengthen muscles through contraction / relaxation of muscles



Illite Ceramic Mini-Mat

It is a thermal ceramic mat with far infrared rays.

- Non-magnetic silicon heat wire is used
- Adjustable from 1 to 15 hours
- Temperature is controllable from 30 to 60°C

Versatile Gel and Soap



"ACTIVATOR MULTI GEL"
for Massagers



"Miracle GEL"
for pain relief



"ILLITE FRESH SOAP"

Useful Knowledge

Electronic Muscle Stimulation (EMS)

EMS, a technology devised by NASA to prevent muscle loss in astronauts, is a therapy that is effective for muscle strengthening, fat burning, and rehabilitation exercise. It helps with the intensive exercise of deep muscles in a process where microcurrents (low frequency) continuously stimulate muscle fibers.

Frequency characteristics for EMS massagers

Low Frequency

- 1 ~ 200 Hz
- Pain relief from percutaneous nerve electrical stimulation
- Muscle contraction / relaxation by muscle stimulation

Medium Frequency

- 1000 ~ 4000 Hz
- Deep penetration depth and low skin resistance
- Pain relief, muscle contraction and relaxation, circulatory effects of blood and lymph, efficacy of edema removal, acute pain relief, etc.

Ultrasound

- 1M Hz, 1 W/cm² ↓
- Infiltration effect to deep part when used with low / medium frequency
- Effect of cartilage regeneration through specific heat effect



EtBu Vision “ Offering Everyday Energy ”

Mission • EtBu offers reliable products and services to help customers live a healthier and more beautiful life.

Principles

- We regard customers as the center of business.
- EtBu strictly complies with local laws to grow into a sustainable company.
- We pursue mutual prosperity by establishing trust between EtBu and our business partners.

