

ELASTY®

WWW.ELASTY.CO.KR

1. THREAD

A. Product technology	
- Various cog manufacturing	3
B. Product series	
a. Cutting cog	6
b. Press cog	8
c. Molding cog	9
d. Cone cog	11
e. Unique type	13

2. FILLER

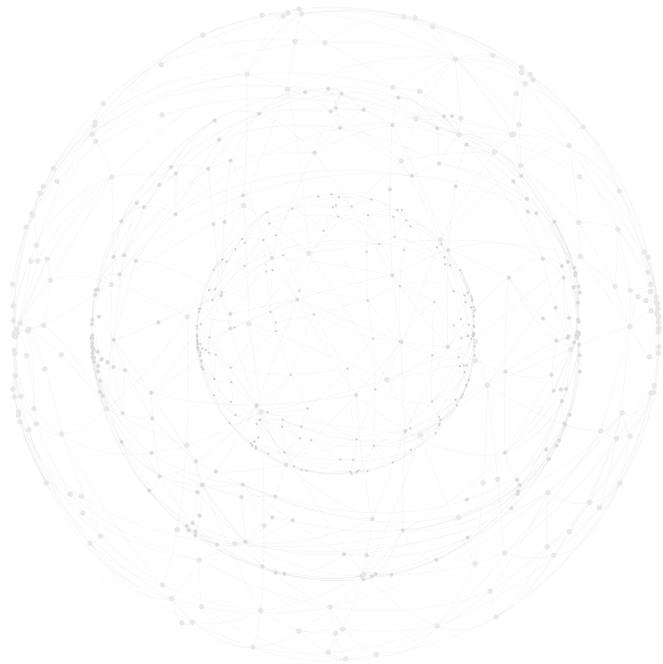
A. Product list	17
B. PNET technology	18

3. MESO PRODUCT

A. Meso device	19
B. Cosmetics	21

* Appendix.

Product specification details
(In this order, #1~#19)



Company introduction

No.1 innovative company for helping individual aesthetic achievement
A global leading medical device company with the continuous research investment,
the best manufacturing facilities, and innovative product development.

Global company

Dongbang Medical Co., Ltd. has been leading the globalization in the medical device industry by pursuit of the best quality since it's established in 1982. As like steady growth achieved in the past 30 years, in the future, Dongbang Medical Co., Ltd. will continue to lead the way to be frontier in aesthetic filed.

World-class manufacturing facility.

Dongbang Medical Co., Ltd. not only developing and producing medical supplies such as thread, filler, medical device, cosmetics, etc. In particular, with Dongbang's corporate desires to contribute on improving quality of life. We have introduced our products managed by our own world-class safety inspection standard test process. All of products that we supply are managed under GMP qualification and certification system for medical devices, manufacturing facilities and process management

Feel the difference

ELASTY[®]

Dongbang thread has been reborn as brand with patented needle to provide safety, efficacy & durability, ultimately to exceed your expectations.

PDO, PLCL, PCL is an absorbable sutures which is designed to form of constant and firmed barb with machined molding blades without heating, put in together with the suture 3-way patented needle based on the best grinding technology in Korea, it helps to minimize pain. Acquired cutting and molding production techniques able to produce desired thread by users.

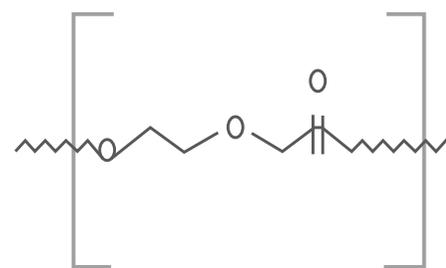
In addition, various types of thread can be prepared and able to treat for any clinical purpose.

In particular, we have a patent of the dual coating technology, which is a unique manufacturing method characterized by a long-lasting holding force with strong traction and tensile strength.



P
D
O

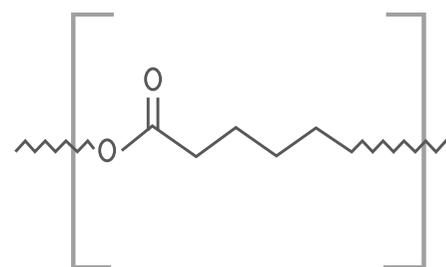
PDO suture is a synthetic and biodegradable monofilament suture developed in 1970s and its surface has smoother coating than that of catgut suture. It is the safest suture for its little bacterial contamination. PDO suture plays a role in removing wrinkle and stimulating collagen production as foreign body effect, lasting for about 6 months after thread embedding therapy. PDO suture is to be degraded into water and carbon dioxide, then fully absorbed through hydrolysis process without any residue.



Polydioxanone

P
C
L

PCL suture helps our skin producing collagen being responsible for skin resilience and regeneration for its excellent characteristics to stimulate collagen genesis. PCL suture is good for surgery around the precision area because it is consisting of small and even particle and is a safe material approved by FDA. PCL suture sets you free from frequent surgeries as its effect can last for 2 years or more. PCL can be completely decomposed and absorbed in our body through hydrolysis process, as proven as safe material.



Polycaprolactone

Feel the difference

ELASTY® Versatility

Cannula tip

HN	Minimize pain and scars		
FC	Blunt needle reduces blood vessel -damage, bruising, and pain.		
FC20	20 degrees needle tip minimizes bleeding		
FC45	45 degrees needle tip minimizes bleeding		
FCL	'L-' shape needle tip for easy penetration		
FCN	Blunt and cut in a 'W' shape		
FCV	Specialized ELASTY Line use only		
FN	Specialized ELASTY Meshfill use only		

Thread fixation type



Sponge type
Normal type



Pin type
Easy procedure correction.

Explanatory notes



Approved by USA FDA



Approved by European FDA



Approved by Korean FDA



Made of PDO materials



Made of PCL materials

Evolution & change of thread

Image						
Material	PDO	PDO	PDO	PDO / PCL	PDO / PCL	PDO / PCL
Process / Shape	Mono	Screw, Broom	Cutting cog	Molding / Press cog High temperature	Membrane molding / Cone cog, Low temperature	16 lines mesh / Molding cog attached to double needle
Purpose	Tightening	Tightening	Lifting	Lifting, Fixation	Lifting, Fixation, Augmentation	Lifting, Fixation, Augmentation
ELASTY Brand	Elasty V mono	Elasty V screw	Elasty V barb	Elasty FORTE II	Elasty Forte Double / LINE	Elasty Meshfill / Unicone
Cog type	Not Cog	Not Cog	C-Cog	P-Cog/M-Cog	P-Cog / M-Cog / Cone-Cog	Not cog / Double arm

* Undyed : white, Dyed : blue

Cutting Cog



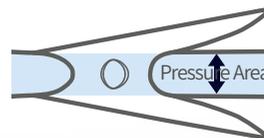
- Made by cutting
- Normal lifting
- More various cog type
- Pulling force is low and easily broken
PDO USP 2 → Tensile Strength 1.2kg

Molding Cog



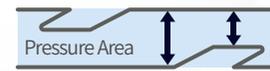
- Made by molding press
- Stronger and longer lasting lifting
- Minimally heated and damaged to the thread. So durable and high tensile.
- Heat treatment causes damage to thread during processing
PDO USP 2 → Tensile Strength 2.78kg

Cone Cog



- Made by membrane molding
- In addition to the cogs on both sides, upper and lower cogs are vertically formed
- PDO USP 2 → Tensile Strength 3.1kg

Press Cog

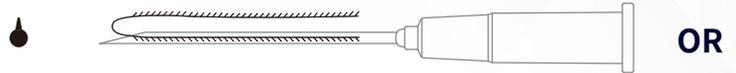
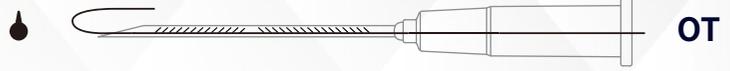


- Made by inner molding press
- No heat treatment, so no damage to thread during processing
PDO USP 3 → Tensile Strength 5.8kg

○ BI Bi-directional cog, supporting the tissue structure for rhinoplasty.

PDO

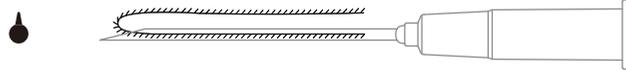
PCL



○ UNI Uni-directional cog, holding tissue forward one direction for lifting

PDO

PCL



○ MD Bidirectional cog across the thread, distributing tissue gripping force appropriated for tissue lifting.

PDO

PCL



Please check the appendix for detailed information of the product.

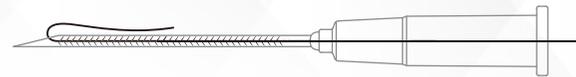
Product	Specification		
	Needle (Gauge X Length)	Thread (USP X Length)	Thread fixed type
C-cog	18G~23G X 40mm~100mm	USP 3-0~2 X 50mm~160mm	Sponged

○ ETC. Two-way formed cog, various type of cog for different clinical demands.

3D

PDO

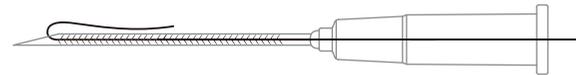
PCL



4D

PDO

PCL



SPIRAL

PDO

PCL



Please check the appendix for detailed information of the product.

Product	Specification		
	Needle (Gauge X Length)	Thread (USPX Length)	Thread fixed type
C-cog	18G~23G X 40mm~100mm	USP 3-0~2 X 50mm~160mm	Sponged

○ ELASTY[®]FORTE II

Inner molding cog, relative thick thread contributing on long lasting without heating during the manufacturing process.



PDO



PCL

WHALE type



PDO



PCL

SHARK type



Please check the appendix for detailed information of the product.

Product	Specification		
	Needle (Gauge X Length)	Thread (USP X Length)	Thread fixed type
ELASTY FORTE II	18G~19G X 40mm~100mm	USP 3 X 50mm~165mm	Pin fixed / Sponged

○ ELASTY® FORTE

Molding press cog, 180° cogs fixed tightly with skin tissue.

Observed in Normal Saline for 90days. Long lasting effect with strong fixation



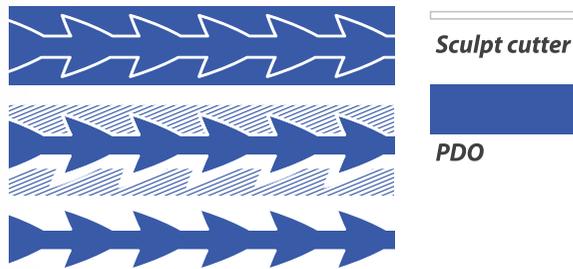
INITIAL SHAPE



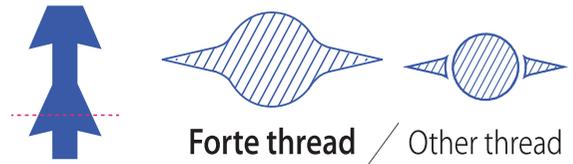
AFTER 30DAYS



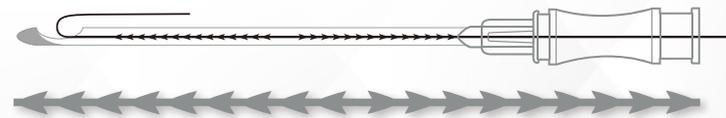
AFTER 90DAYS



FORTE CROSS SECTION



Cogs which sculpted by press Sculpt method without heat treatment on thread

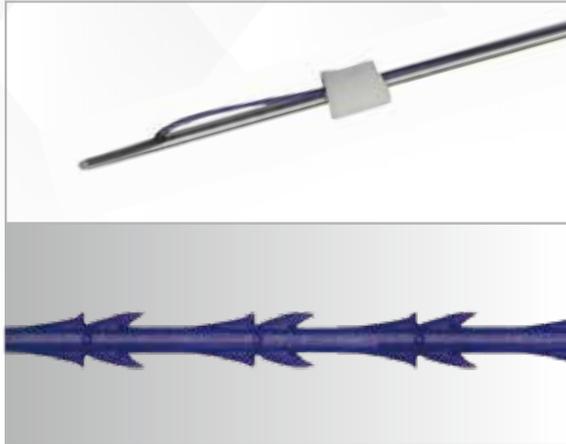


Please check the appendix for detailed information of the product.

Product	Specification		
	Needle (Gauge X Length)	Thread (USP X Length)	Thread fixed type
ELASTY FORTE	18G~19G X 70mm~100mm	USP 2~3 X 165mm~185mm	Sponged

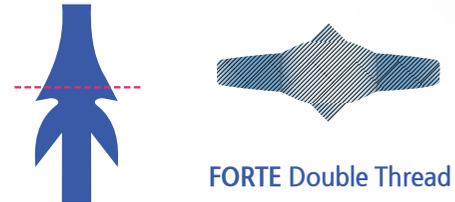
○ ELASTY® FORTE Double

Bi directional cog, has a tensile force and anchor effect of a stronger thread than a single-cog.

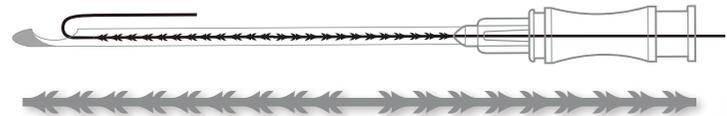


- ① Non-heating press bi-directional cog.
- ② Forte double has a tensile force and anchor effect of a stronger thread than a single-cog.

FORTE Double CROSS SECTION



PDO PCL FORTE Double



Please check the appendix for detailed information of the product.

Product	Specification		
	Needle (Gauge X Length)	Thread (USP X Length)	Thread fixed type
ELASTY FORTE Double	18G~19G X 60mm~100mm	USP 1~2 X 120mm~185mm	Pin fixed / Sponged

PDO PCL FORTE Double-half



Please check the appendix for detailed information of the product.

Product	Specification		
	Needle (Gauge X Length)	Thread (USP X Length)	Thread fixed type
ELASTY FORTE Double Half	21G X 60mm~100mm	USP 1~2 X 120mm~185mm	Sponged

○ ELASTY LINE®

Membrane molding cog, anchor on entrance of cannula with strong fixation of SMAS area.

1/ Strong anchoring, fixation

- ① Correct fixation of desired area.
- ② Strong fixation on desired area.

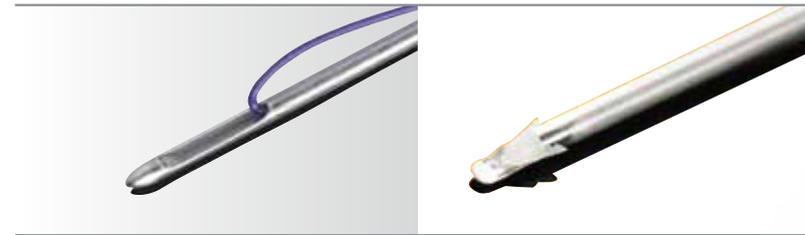


Typical Thread
Strong fixation is difficult due to folded form of thread.

ELASTY LINE
Fixation strength maximized by anchor on entrance tip of cannula.

2/ Unigue Cog Shape

Deep Cog hook allows powerful lifting.

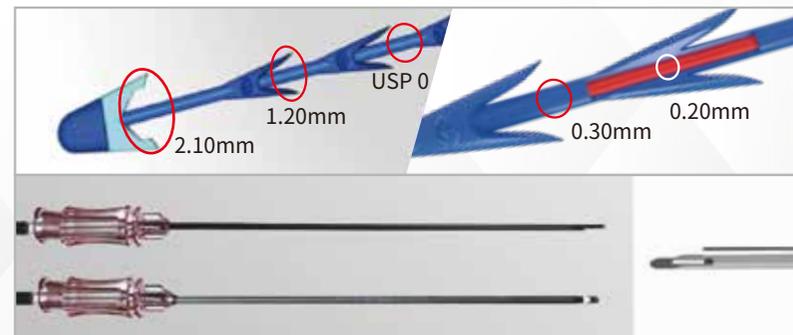


Molding COG
Shallow hook has weak fixation.

ELASTY LINE COG
Deep hook gives strong fixation.

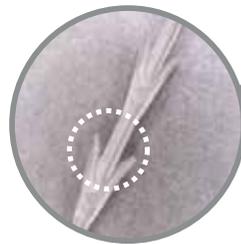
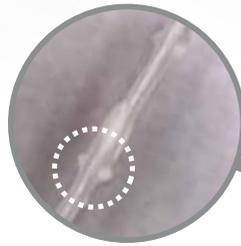
3/ Made by membrane molding

High polymer of special method coats the PDO, PCL thread for powerful premium thread.



○ ELASTY[®] LINE[®]

■ Collagen



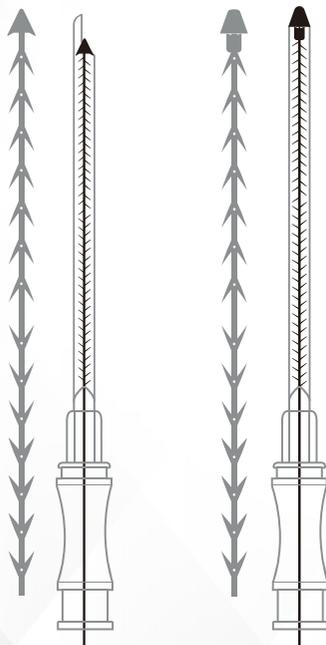
■ Round Needle
Minimized Tissue Damage



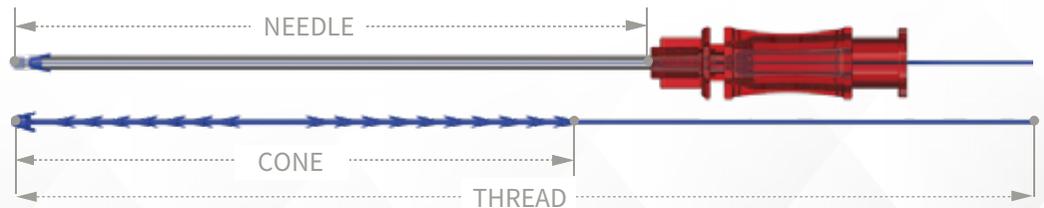
■ Anchoring
Soft Cog and strong Anchoring

■ Undyed

PDO PCL



LINE[®] LINE[®]2



Please check the appendix for detailed information of the product.

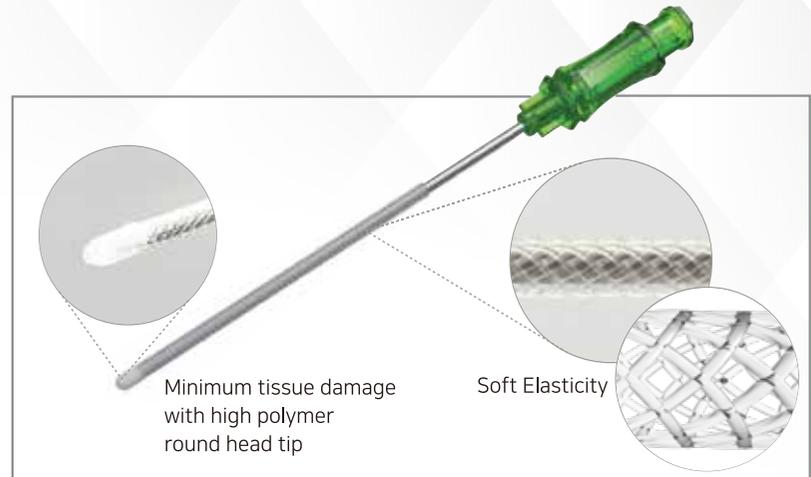
Product	Specification		
	Needle (Gauge X Length)	Thread (USP X Length)	Thread fixed type
ELASTY LINE	17G X 70mm~100mm	USP 3-0 X 150mm~180mm	Pin fixed
ELASTY LINE 2	17G X 100mm	USP 3-0 X 180mm	Pin fixed

ELASTY® MESHFILL®

16 lines mesh thread, Soft tissue and collagen grows into gaps of mesh and fixes dermis and SMAS.

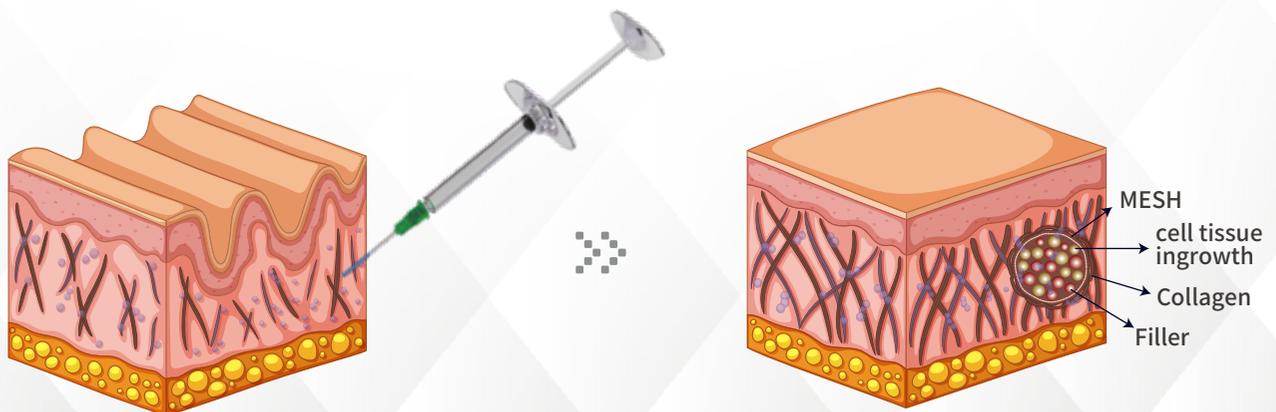
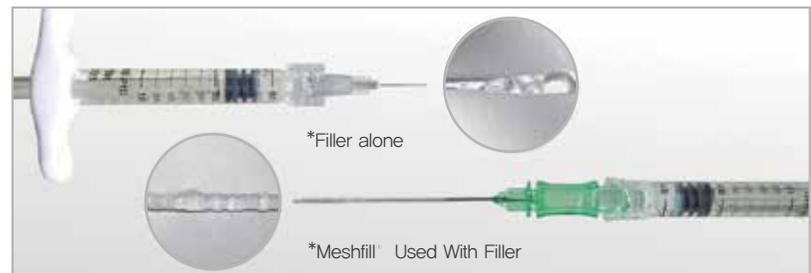
1/ The World's First 16 lines Mesh Thread

- 1 Softer and higher elasticity than existing mesh thread.
- 2 Strong tensile strength.
- 3 Strong knot, stable during procedure.



2/ Combination with filler

- 1 Volumizing effect by combination of Meshfill and filler.
- 2 Minimize Filler migration



ELASTY® MESHFILL®



MESHFILL®

Please check the appendix for detailed information of the product.

Product	Specification		
	Needle (Gauge X Length)	Thread (USP X Length)	Thread fixed type
ELASTY MESH FILL	21G X 30mm~60mm	USP 6-0 X 20mm~45mm	MESH Tip

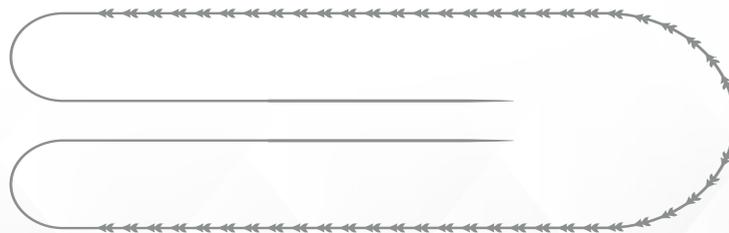
○ ELASTY® UNICONE™ **Double**

Double arm shaped molding cog, attached to both needle ends, so it can be used for many purposes.



PDO

PCL

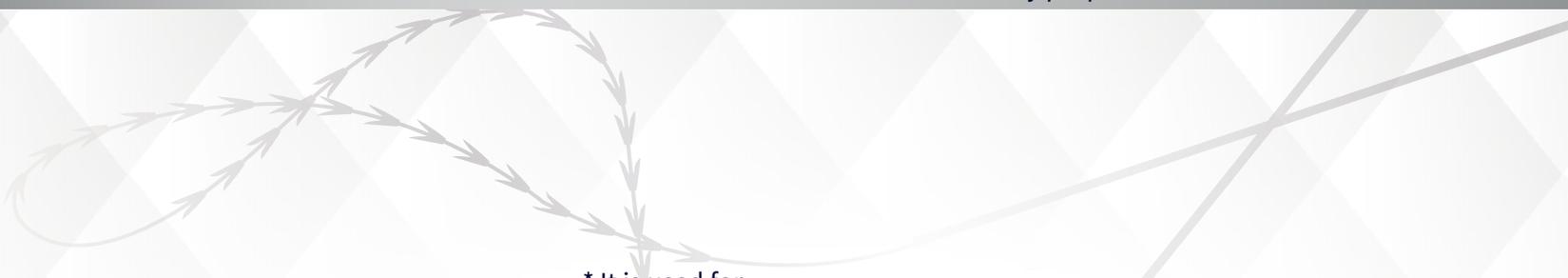


Please check the appendix for detailed information of the product.

Product	Specification		
	Needle (GaugeX Length)	Thread (USP X Length)	Thread fixed type
ELASTY UNICONE DOUBLE	21G X 120mm	USP 3-0~3 X 300/400mm	2 Needle fixed

ELASTY® UNICONE™ Line

Double arm shaped cone cog, attached to both needle ends, so it can be used for many purposes.



* It is used for



Mental, Submental Area



Neck



Breast



Hip up



Cheekbone area



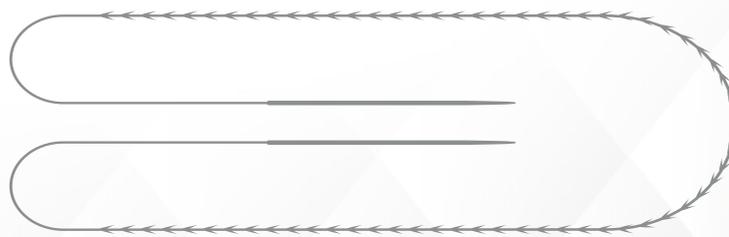
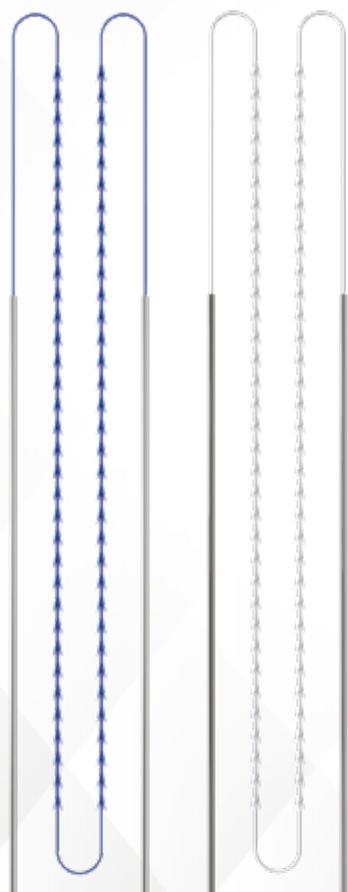
Lower face



Full face



Eye brow



Please check the appendix for detailed information of the product.

Product	Specification		
	Needle (Gauge X Length)	Thread (USP X Length)	Thread fixed type
ELASTY UNICONE LINE	21G X 120mm	USP 3-0~3 X 300/400mm	2 Needle fixed

ELASTY®

Cross-linked Hyaluronic Acid

SAFETY

Efficacy

Long-lasting



ELASTY® unique technology, PNET™ (Preserved Natural Entanglement Technology) ELASTY is a new concept filler that shows high elastic modulus and excellent cohesion.

High elasticity

High cohesion

High convenience

Minimal modification

High viscosity

Long lasting effect

EC Certified

Outstanding lifting capacity

* ELASTY G/D/F PLUS : with lidocaine, EC not certified

Name	Figures	Product specification					Needle specification	
		HA	PHASIC (GEL TYPE)	INJECTION FORCE (N)	BDDE	CONTENTS	GAUGE (UTW)	QUANTITY
ELASTY G		24 mg/ml	MONO	10~20	<0.2ppm	1mL*2syringe	27G/30G	1EA/1EA
ELASTY D		24 mg/ml	MONO	10~20	<0.2ppm	1mL*2syringe	27G/30G	1EA/1EA
ELASTY F		24 mg/ml	MONO	10~20	<0.2ppm	1mL*2syringe	27G/30G	1EA/1EA

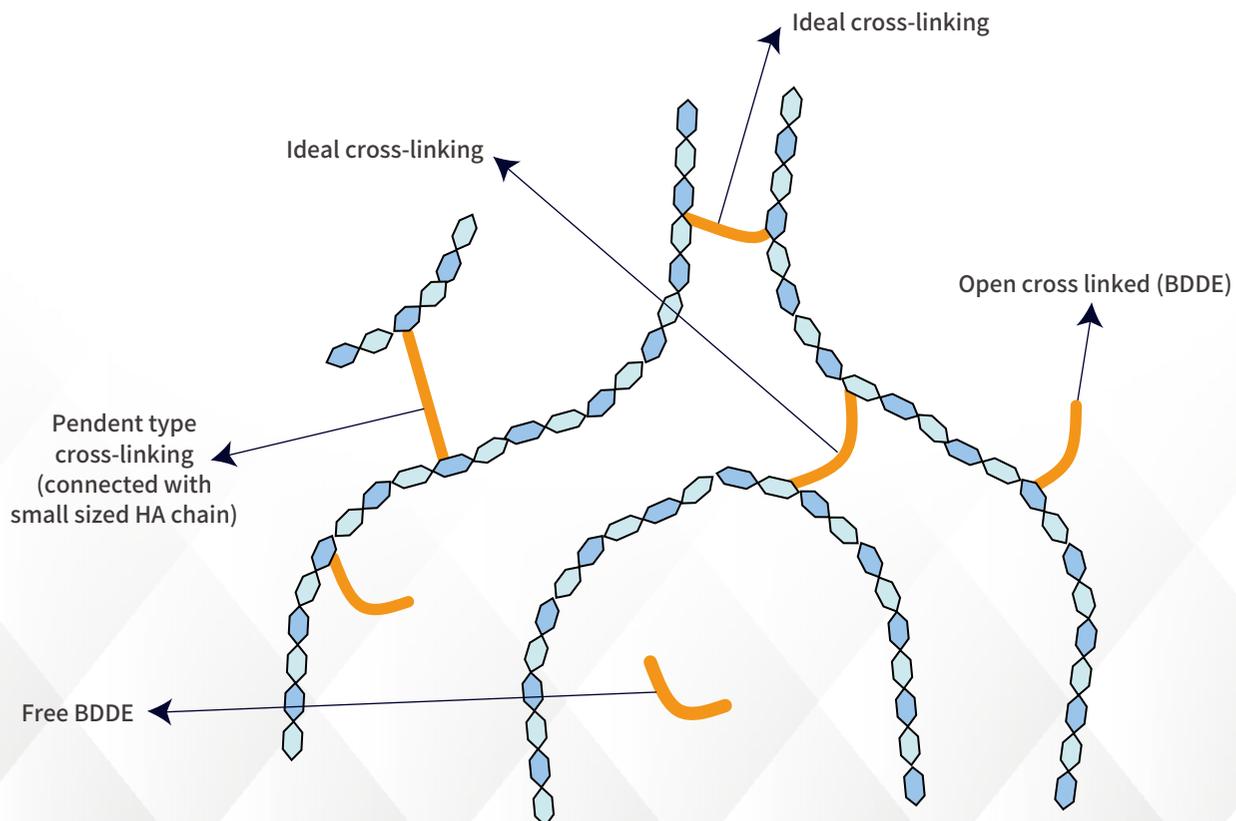
PNET technology (Preserved Natural Entanglement Technology)

| Cross linking process

Ideal cross linking: 100% of BDDE participate in cross linking, No not-linked BDDE exists.
Some BDDE partially participated in cross linked(Open cross linked), reported to causes adverse event
USA FDA guide line: below 2 ppm of Open cross linked/non-cross linked BDDE

| PNET (Preserved Natural Entanglement Technology)technology

Increase crosslinking efficacy (Low BDDE) lead to minimize Open-cross linked BDDE
Inactive open-cross linked BDDE through 1st cleaning process
Eliminate free BDDE again in 2nd cleaning process



ELASTY®

Micro cannula, Meso Needle, Fine Syringe

Elasty is based on DongBang Medical's 30 years polishing technology, it minimizes skin damage with reduces bleeding and swelling during the procedure.

Micro-polishing technology for soft insert helps high viscosity solution to be injected smoothly.

30 years polishing
technology



ULTRA
THIN WALL

+

LESS
TRAUMA

+

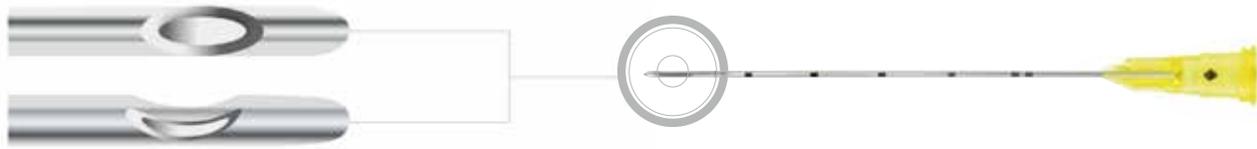
EXCELLENT
RESULT

+

MINIMAL
DOWNTIME

Micro Cannula

Micro filler needle of minimized skin damage



Filler Cannula

GAUGE	23G	
LENGTH	50mm	
GAUGE	25G	
LENGTH	50mm	
GAUGE	27G	
LENGTH	40mm/50mm	
GAUGE	30G/23G	
LENGTH	25mm	

Fat Graft Cannula

GAUGE	18G	
LENGTH	70mm	
GAUGE	20G	
LENGTH	70mm	

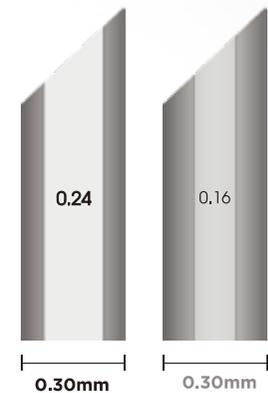
Meso Needle Micro-polishing technology to relieve pains



GAUGE	GAUGE
25G	13mm
27G	4mm / 13mm
30G	4mm / 6mm / 8mm / 13mm
31G	4mm / 6mm / 8mm / 13mm
32G	4mm / 6mm / 8mm / 13mm
33G	4mm / 6mm / 8mm / 13mm
34G	4mm / 6mm / 8mm / 13mm

ELASTY[®]
Meso Needle
30G

others
30G



Fine Syringe Ultra-thin wall with larger internal diameter.



ELASTY[®] Fine Syringe

others

VOLUME	GAUGE	LENGTH
1.0cc	31G	8mm
	32G	8mm
0.5cc	31G	8mm
	32G	8mm
0.3cc	31G	8mm
	32G	8mm



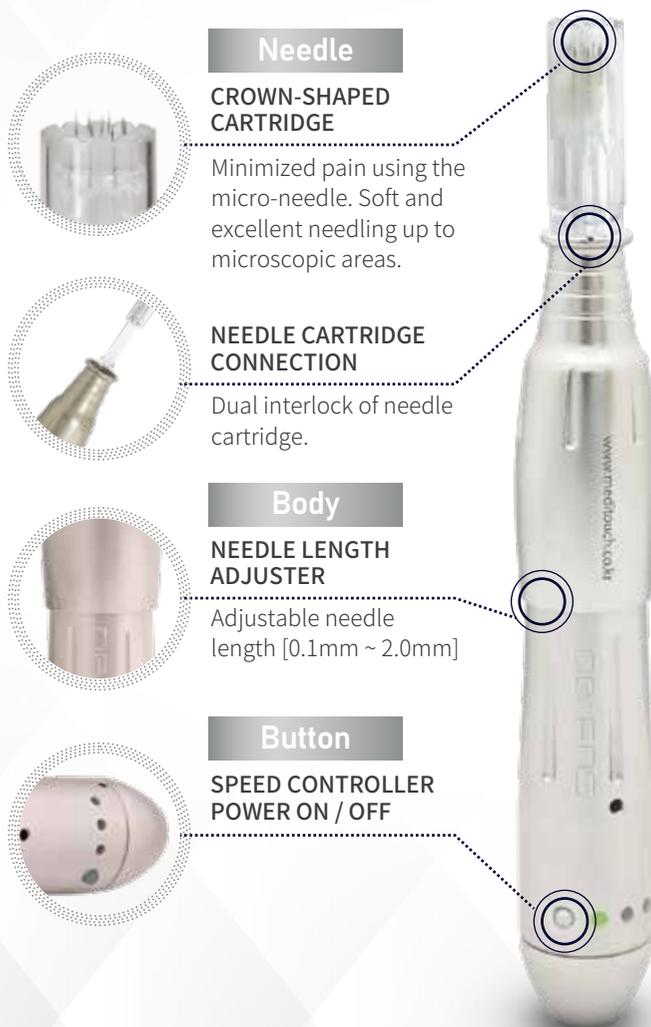
ELASTY[®]
Minimized solution loss

- ① **3 levels of gasket ring**
prevent the flow backward of solution
- ② **Embedded Needle**
a minimized solution loss between needle and syringe.
- ③ **Dow Corning silicon coating**
Soft and comfortable injection with dow corning silicon coating on needle.

DB FNS

A device of needle therapy to increase the penetration of effective medicine into the skin with stimulation for skin improvements through the punctured channels by micro-needles (33G 9-pin needle).

"Your skin care project to keep the skin compact"



Needle

CROWN-SHAPED CARTRIDGE

Minimized pain using the micro-needle. Soft and excellent needling up to microscopic areas.

NEEDLE CARTRIDGE CONNECTION

Dual interlock of needle cartridge.

Body

NEEDLE LENGTH ADJUSTER

Adjustable needle length [0.1mm ~ 2.0mm]

Button

SPEED CONTROLLER POWER ON / OFF

Features of DB FNS

- Expectation of excellent therapy effect with affordable price.
- Comfortable grip and luxurious design.
- Sterilized needle cartridge for single use [DB FNS micro-needle] adopted.
- Even and equal therapy on the skin due to the precise and uniform needle alignment
- Free adjustment of needle depth with one needle. [0.1mm ~ 2.0mm]
- Stepwise speed control [1 step – 3 step * 5,000 RPM ~7,000 RPM]
- MTS therapy over a wide range in a short time.
- Minimized pain due to the fast vertical motion of 33G pine leaf.
- Precise therapy in any narrow area.
- Strong and long lasting motor.

COMPONENTS [Body+Adaptor+holder]

MAIN VOLTAGE : 100~240V, 1.2A 50/60Hz

DIMENSIONS : 117 x 20 mm [W x D x H]

WEIGHT : 142g



Package : 32Gx9Pin x 30EA(Box)

FN-1

Fractional MTS therapy is a program to puncture the skin more precisely in a short time to penetrate more effective substances through the punctured microscopic channels due to the natural cure principle over the scar.

“Meet a right next-generation of fractional needle therapy system”



Needle

CROWN-SHAPED CARTRIDGE

Minimized pain using the micro-needle. Soft and excellent needling up to microscopic areas.

Body

NEEDLE LENGTH ADJUSTER

Adjustable needle length [0.1mm ~ 2.0mm]

Screen

WIDE-OLED SCREEN

Minimized pain using the micro-needle.

Button

SPEED CONTROLLER POWER ON / OFF

FN - 1 Fractional Auto MTS

- Sterilized needle cartridge with a built-in guide bar for single use. [FNS needle]
- Micrometer method applied to needle exposure length
[precise adjustment in 0.0mm ~2.0mm]
- Constant speed around various therapy areas.
- Even and equal therapy on the skin due to precise and uniform needle alignment.
- Precise therapy in any narrow area with less scratch.
- Good penetration and less pain due to the needle in the shape of 33G pine leaf.
- Generation of constant micro-channels [needle holes].

COMPONENTS [Body+Adaptor+holder]

MAIN VOLTAGE : DC 24V, 60Hz

SAFETY CLASS : Class 2, BF B Type

DIMENSIONS

153 x 31 x 43 mm (W x D x H)

WEIGHT : 108g

DB LAB® S-REJUVE

S Rejuve helps to improve skin by increasing absorption of cosmetic active ingredients through skin irritation and generated skin channels.

“Fractional Needle Therapy System Home care”



- Effect of excellent skin improvement
- Hygienic sterilized needle cartridge for single use
- Use of micro-needle [for personal use in 0.2mm]
Micro needle [for personal use]
- Implementation of less noise [Noise in use is solved]
Reduced burden from long use due to design to minimize operating temperature.
- Comfortable feeling of use / luxurious design Ergonomic design with the application of cutting- edge technology [Easy control]
- Precise use over a wide area in a short time
- Wireless charging for convenient use

S-REJUVE Skin Care Program

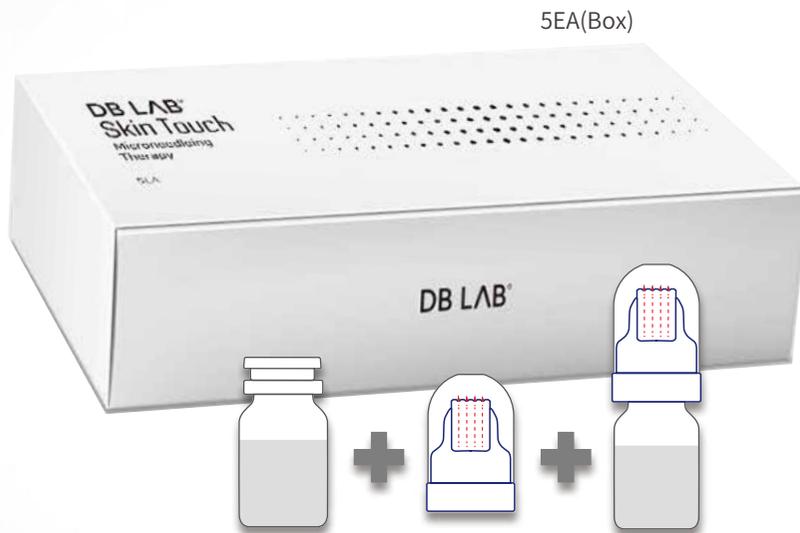
1. Cleansing and dead skin removal
2. Toner [skin arrangement]
3. Ampule
4. S-REJUVE needling
5. Soothing pack
6. Moist cream
7. Regenerative cream
8. Sun cream

+ Use the ampule for skin troubles when you need to control the skin trouble.

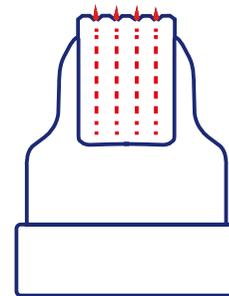
DB LAB® Skin Touch

DB Lab, Skin Touch is a cosmetic device that can induce absorbed into the skin by using 256 fine microneedles to deliver active ingredients inside the skin. It is a new roller type of beauty device.

Project for your baby-like skin! Now, start with self-care



DB LAB SKIN TOUCH Microneedling Therapy





HYALURONIC ACID MASK

(IMPROVE WATER-HOLDING SYSTEM)

24-hour Moisturizing Hyaluronic acid Mask

Hyaluronic acid keeps
your skin moisturized for 24 hours.

Ingredients

Beta-Glucan, Sodium Hyaluronate, Portulaca Oleracea Extract, Royal Jelly Extract, Hydrolyzed Collagen, Chondrus Crispus Extract, Ceratonia Siliqua Gum, etc.



BETA-GLUCAN MASK

(IMPROVE RADIATING COOLING SYSTEM)

Fermenting yeast Beta-glucan Mask

Beta-glucan as an ingredient
for soothing the sensitive and damaged skin.

Ingredients

Beta-Glucan, Sodium Hyaluronate, Portulaca Oleracea Extract, Royal Jelly Extract, Hydrolyzed Collagen, Chondrus Crispus Extract, Ceratonia Siliqua Gum, etc.



Bellathena HA Essence

Hyaluronic acid matrix delivers moisture to
the skin quickly without stickiness.

Bellathena HA Essence

It is easy to be absorbed into the skin by using 5 kinds of complex ceramides encapsulated liposomes and by filling the lipid protective film of the lamella layer of skin, it has the ability to block moisture evaporation from the skin and improve the skin moisturizing barrier.

Ingredients

Alpha-tocopherol, Baobab oil, Sodium Hyaluronate, Niacinamide, Hydroxyacetophenone, Allantoin, Ascorbyl Glucoside, Sodium Hyaluronate, etc.

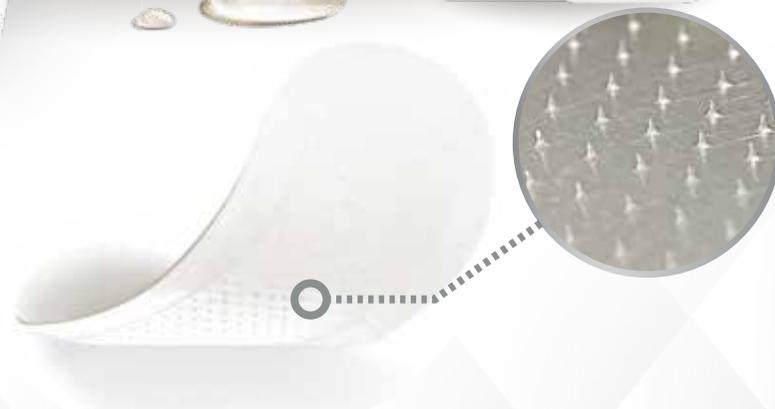
FILL US PATCH

CROSS LINKED HYALURONIC ACID



MICRO NEEDLED PATCH

Beauty rising from the skin



“Micro needle with Pyramid structure”

A pyramid-shaped structure that penetrates into the skin without bending the needle

ELASTY[®]

For your beautiful value



#313, WOORIM W-CITY, 9-22, PANGYO-RO, 255BEON-GIL,
BUNDANG-GU, SEONGNAM-SI, GYEONGGI-DO, KOREA
Tel +82-31-628-8563 / Fax +82-31-707-0990