



▶ METABIOMED CO., LTD. - MANUFACTURER

**We pursue best quality and safety,
differentiating from other brands
with the only white PDO in Korea**

Company Information

► METABIOMED

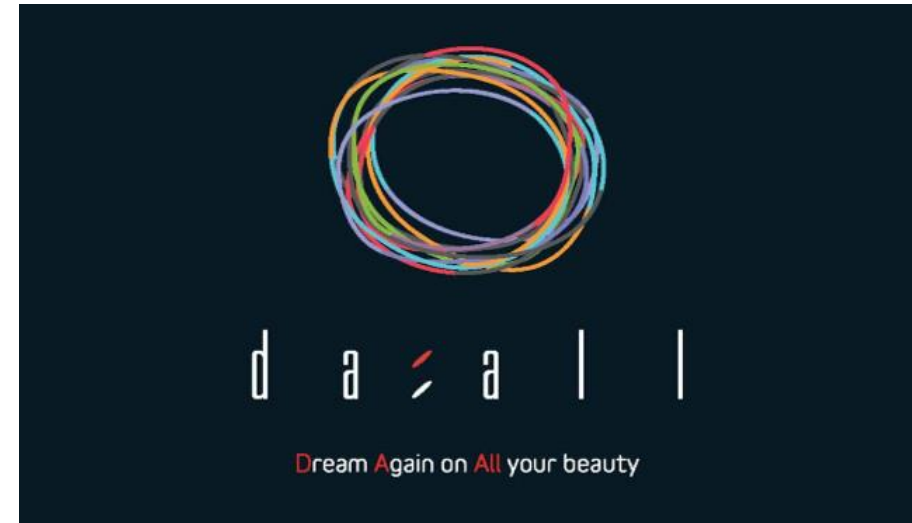
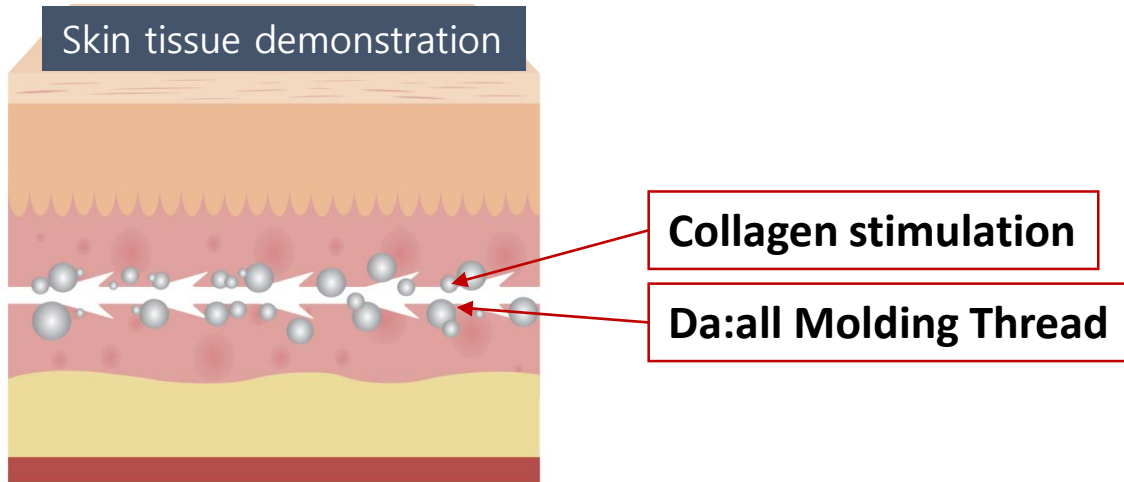
- Established in 1990, METABIOMED is a specialized company in manufacturing bio-degradable and non-absorbable suture threads based on the last 30 years of accumulated technology. With many years of experiences, we have been producing and exporting various products from raw material to finished products.
- Over 70 intellectual property rights due to continuous R&D on biocompatible medical materials
- Developed differentiated global marketing with more than 250 sales networks in over 100 countries
- Operation strict quality control system to ensure the highest quality product production
- Selected as ‘World-class Products’ (2003,2007) and ‘World-class 300 Companies’ for innovative products(2015)
- Completed ‘Meta Beauty R&D Center’ (2018) to lead new technology development through bold R&D investment



Brand Information

► Da:all

- The first and only white PDO in the world
- Developed with 30 years accumulated technology
- Transparent and undyed PDO that is invisible under the skin
- 100% safe bio-compatible lifting thread
- Pure PDO thread leaves no harmful ingredients
- Optimized for the thin layers of skin on the nose, forehead, and lower eyelid of various races
- Collagen stimulation, skin tightening and lifting



Da:all Product Line-up

► Da:all Premium Line-up

- Premium Molding
- Premium Emboss
- Premium Spiral Cobra
- Premium Spiral Double Arm
- Premium Braid
- Premium Braid soft
- Premium Spring



► Da:all General Line-up

- Da:all Mono
- Da:all Mono Screw
- Da:all Double
- Da:all Double Screw
- Da:all i-Screw



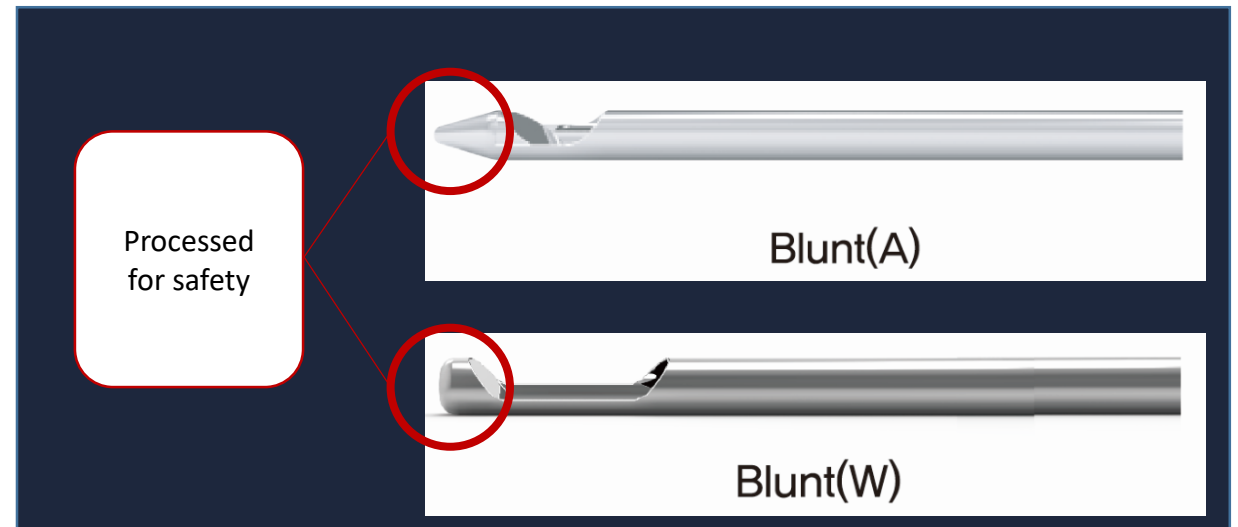
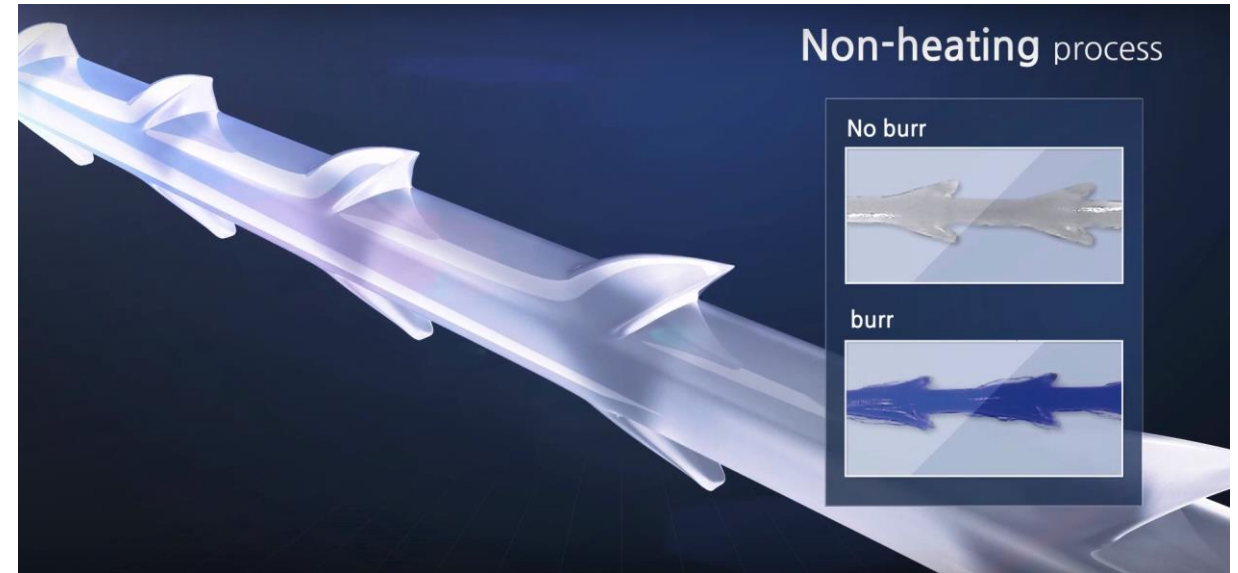
Da:all Premium Molding - Advantage

► Advantages of Premium Molding

- Makes no burr by non-heating process
- Maintains molding shape without thermal denaturation
- Stronger tensile and pulling force than slice cog
- Durability due to thicker core
- Less pain after treatment because of no burr on cog
- Optimized for lifting cheeks, reducing nasolabial lines and marionette folds

► New Type Upgraded Cannula (A/W)

- Tip of A and W cannula is rounded
- Well processed cannula allows user treatment safely



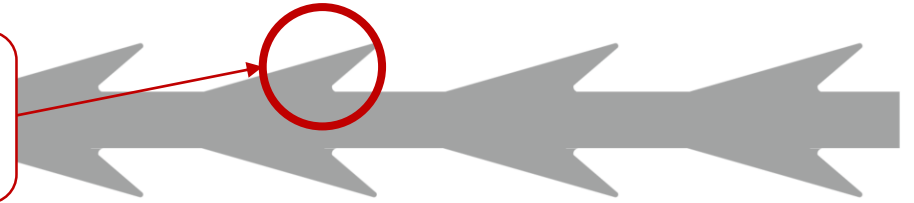
Da:all Premium Molding – C/Z/K TYPE

► Characteristics of Premium Molding

Da:all Premium Molding			
Type	C type	Z type	K type
Shape	Arrow	Jet	Emboss
Shape Feature	Sharp angle	Wide cog	Regular spacing
Thread Feature	Stick in skin easily	Long lasting effect	No dimple making
Advantage	Maximized lifting	Strong traction	Excellent fixation

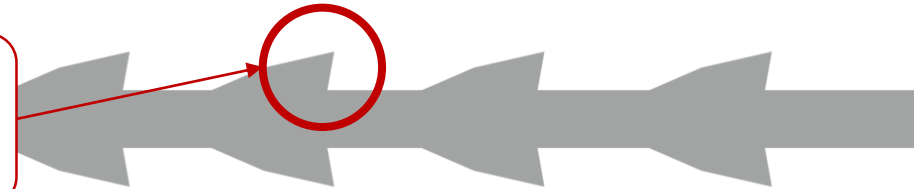
- Emboss maximizes the lifting effect of other Da:all Products by its fixation power

Sharp inner angle cog
Inserting with less resistivity
Easily stick into skin tissue



[ARROW - C TYPE MOLDING COG]

Wide cog
Maximizing pulling forces
Prevent deformation of cog



[JET - Z TYPE MOLDING COG]

Regular spacing molding
Evenly holds skin tissue
No dimple making

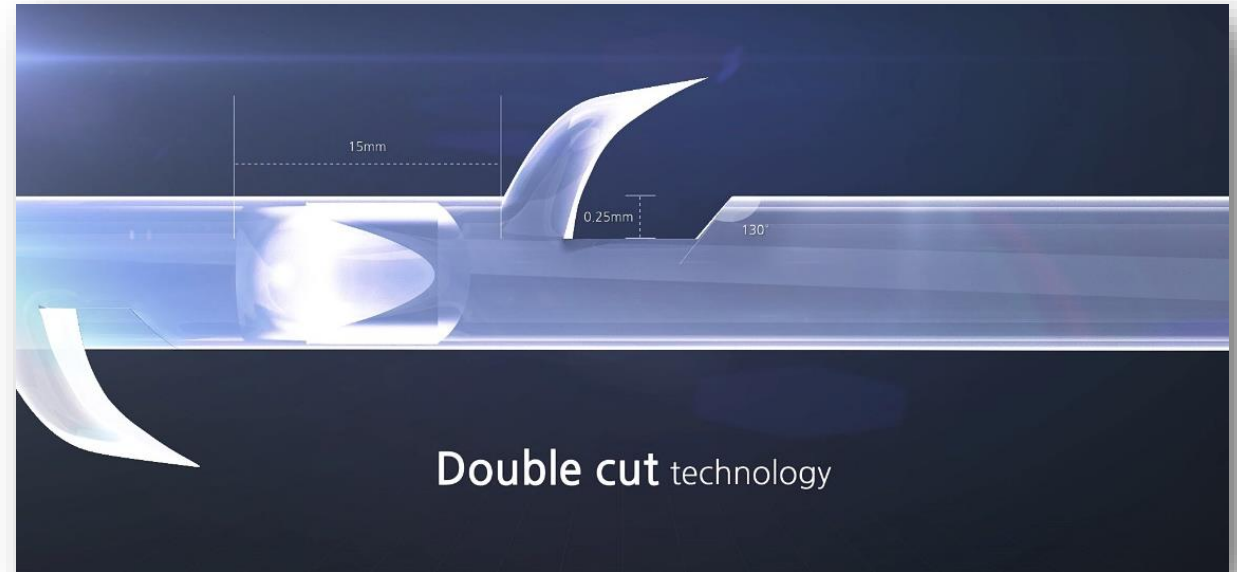


[EMBOSS – K TYPE MOLDING]

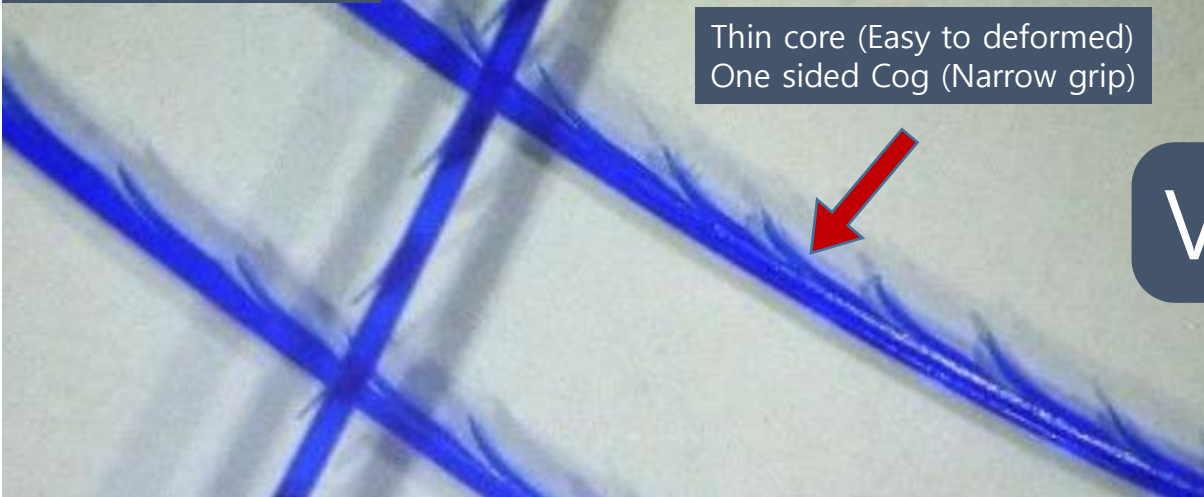
Da:all Spiral Cobra - Advantage

► Advantages of Spiral Cobra

	Normal Cog	Spiral Cobra
Cut	Single Cut	Patented Double Cut
Core	Thin	Thick
Tensile Strength	Average	Strong
Degree	90 Degree	360 Degree
Durability	Average	Long Lasting

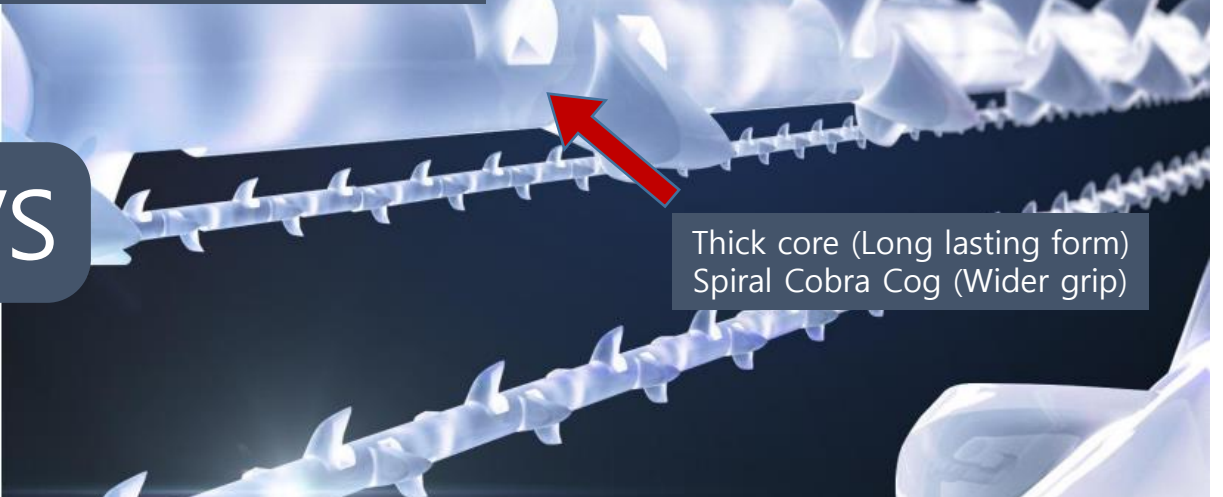


Normal Cog Thread



VS

Da:all Spiral Cobra Thread



Da:all Spiral Double Arm - Advantage

► Advantages of Spiral Double Arm

- Special Clipping technology (Smooth surface)
 - > Other brand have protrusion after attaching
 - > Minimizes skin and tissue damage
- Great quality needle
- High-end thread attached(360° Spiral Cobra Cog)
 - > Upgraded pulling force and durability
- Excellent pulling strength with two needles optimized for double chin, eyebrows, jaw line lifting

► Needle Type

- Strong but flexible needle
- Spatula
 - > No puncture needle needed
 - > Easy to penetrate skin layer: easy procedure
- Blunt
 - > Smooth procedure
 - > minimum damage to micro vessel : Less pain after treatment



Spatula

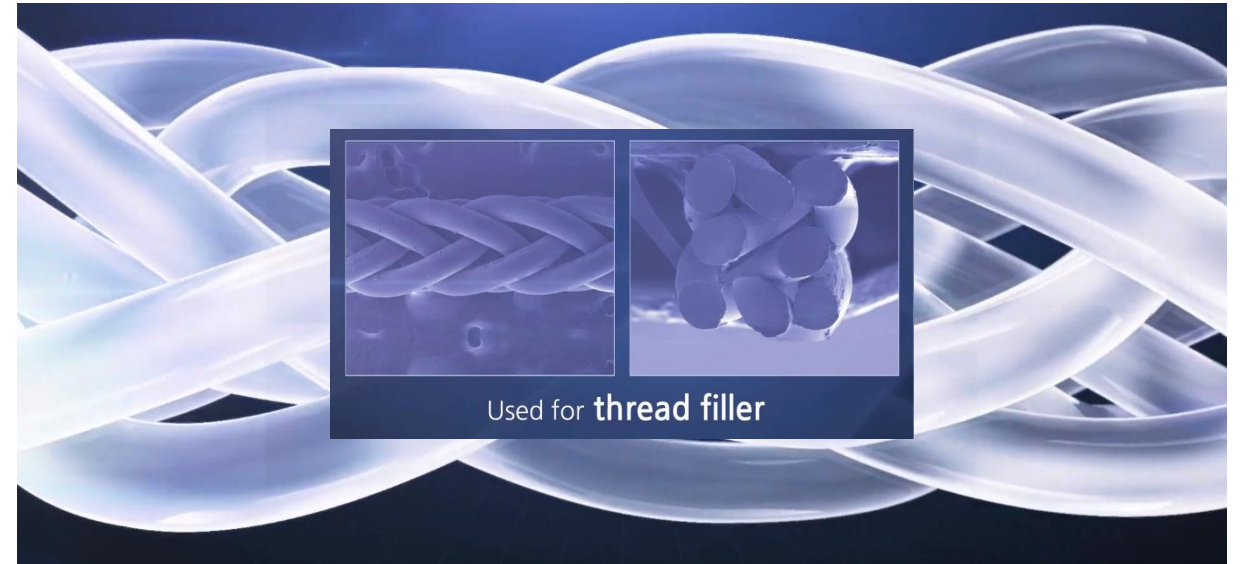


Blunt

Da:all Braid - Advantage

► Advantages of Braid

- Twisted 8 or 16 micro threads into one by METABIOMED's innovative technology
- Amplified collagen generation at gap between threads
- Used as thread filler (various indication)
 - > Scaffold (support): nose
 - > Volume (tissue restoration): deep wrinkle
- Why Braid is better than mono threads
 - > Maintain the shape
 - > Create much collagen (space between threads)
- Merit of Braid vs HA filler
 - > Great moldability at desired area (no flow down)
 - > Collagen self-generation makes natural volume even after absorption



Da:all General Line

► General Line

- Mono, Mono screw, Double, Double screw, I-Screw
- Upgraded with white PDO
- Optimized for superficial layer
- White PDO : invisible on face even with procedure of a lot of thread while violet PDO may show blue colored skin
- Excellent effect on reducing wrinkles
- I-Screw: Under-eye treatment with ultra thin thread and blunt needle
- More threads, more tone-up and whitening effect



Why METABIOMED?

▶ One of seven suture manufacturing company

- Handles from raw material to finished product
- Makes great quality products that even sold to competitors
- Develops various product with 30 years of technology of handling raw material to final product (HA coated PDO/PCL, PDO powder, and filler)

▶ Quality control system

- One stop quality control process
From PDO powder -> Polymerization -> Thread Spinning -> Cutting-> EO sterilization -> EO gas toxicity and residue test -> Double drying (Glove box) -> 100% moisture removal

▶ Bold R&D investment pursuing best quality

- Acquired about 70 intellectual property rights to secure original technology for suture thread manufacturing

