Motiva®

Motiva Ergonomix®

Designed for the look, feel, and movement of a natural breast

motiva.health

The world's first and only ergonomic implant

As its name implies, Ergonomix® is an ergonomic or dynamic advanced smooth implant designed to mimic the look, feel, and movement of natural breast tissue.

Natural Breast Tissue

- **Structure**
- **Softness**
- **Movement**

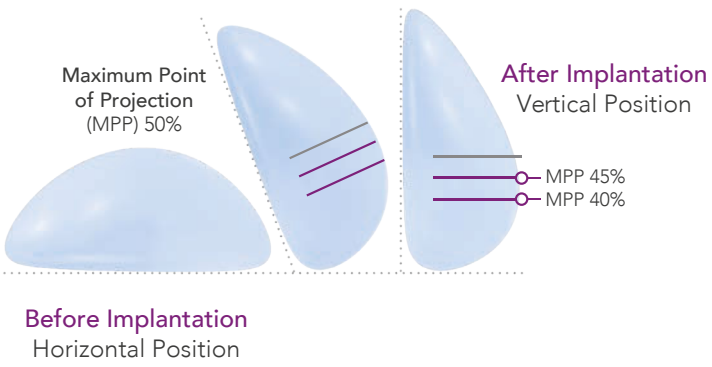
ERGONOMY

Ergonomix® TrueTissue Technology

- **TrueMonobloc®:** Implant shell and gel adherence for unified **structure and flexibility**
- **SmoothSilk®/SilkSurface®:** Cell-friendly advanced **smooth** surface
- **ProgressiveGel Ultima®:** Unique gel properties for a **soft**, tissue-like feel
- **ProgressiveGel Ultima®:** Dynamic gel moves to **adapt to gravity and your own movement**

Motiva Ergonomix® delivers a more natural-looking breast

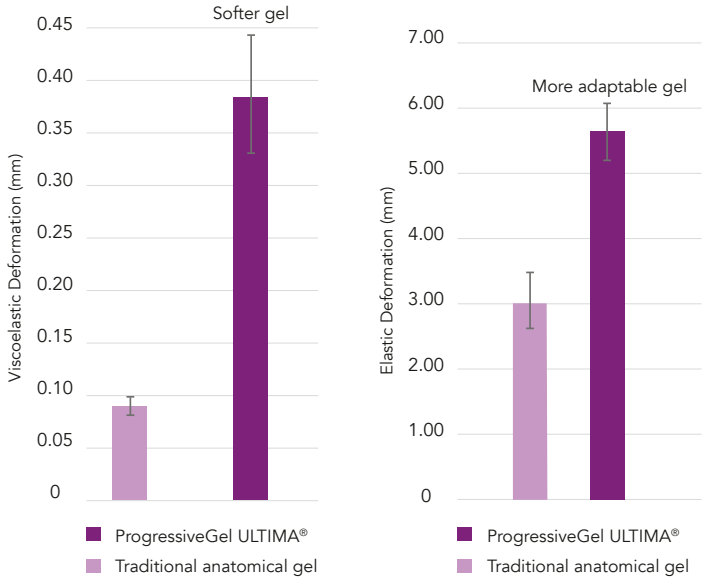
ProgressiveGel Ultima® allows Ergonomix® to hold the desired silhouette of traditional anatomical implants (holding a teardrop shape when standing) while providing more softness and response to movement and gravity (becoming round when lying down) like a natural breast.

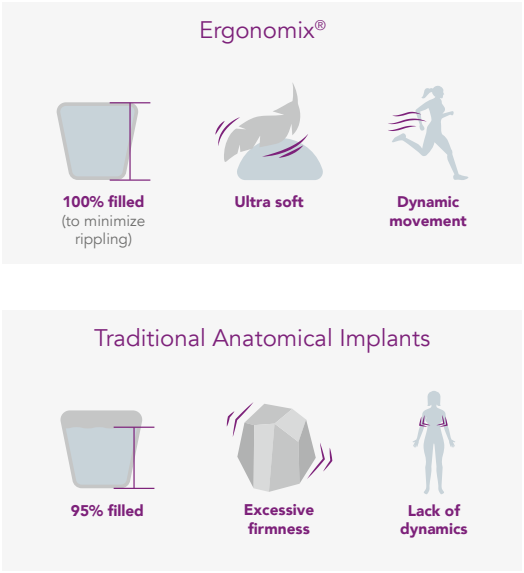


Better cross-linking, structure, chemical composition and enhanced mechanical properties lead to a softer, more adaptable implant.

ProgressiveGel Ultima® is a softer and more adaptable gel compared to gels in traditional anatomical implants that have a form-stable (i.e. fixed) shape, thus providing more softness and response to movement and gravity like a natural breast.

Ergonomix® vs. Traditional Anatomical Implants



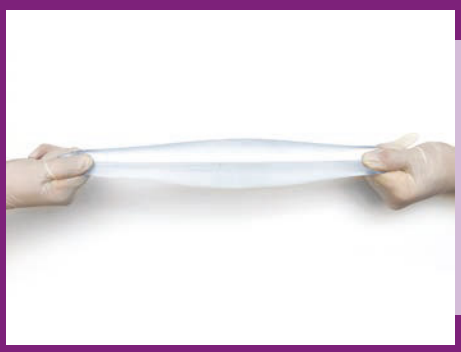


Establishment Labs TS-17-036 Rheology Testing of Breast Implant Gels with the BTC-2000™ (Equipment: Biomechanical Tissue Characterization BTC-2000™)

Motiva® TrueTissue Technology

A patented system for breast implant surgery comprised of:

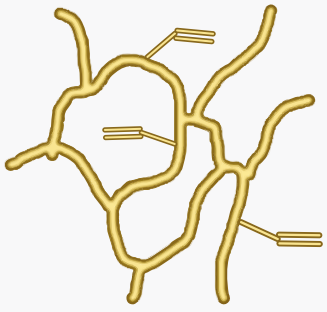
1. **TrueMonobloc®** with unique shell-gel interphase for strength and flexibility

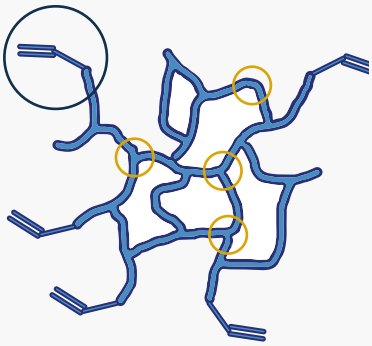


- Flexible, multilayer system links all shell components for a unified, flexible structure
- Easy insertion through smaller incisions due to shell elasticity and adaptable gel properties
- Improved mechanical properties and durability under stress
- Outstanding safety profile[1-4]

2. Optimal, **highly adherent shell-gel interphase** for a unified, stronger structure and better performance

Older Generation Silicone Polymer Network	ProgressiveGel ULTIMA® Silicone Polymer Network
Pendant Vinyl	Terminal Vinyl

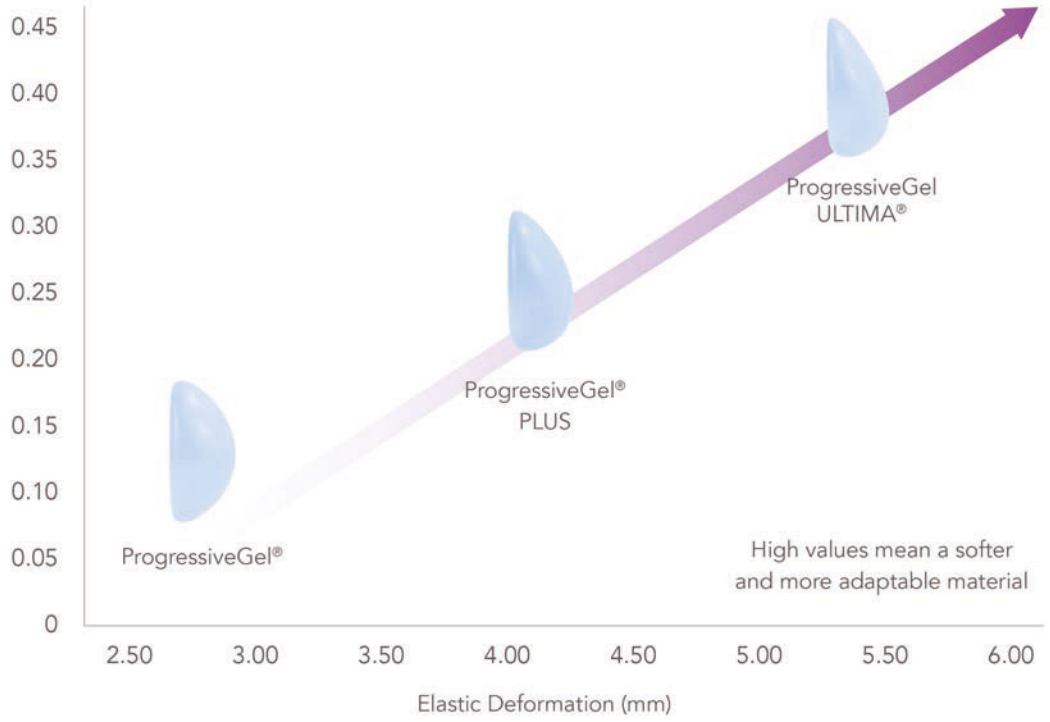




Previous generations of gels have vinyl groups in the middle of the silicone chains[5] (pendant type). In ProgressiveGel ULTIMA®, the vinyl groups are at the ends of the chains[6] (terminal vinyl), which make them more reactive than pendant vinyl groups, thereby increasing the adhesion between the shell and the gel.

3. ProgressiveGel ULTIMA®: Unique Rheology

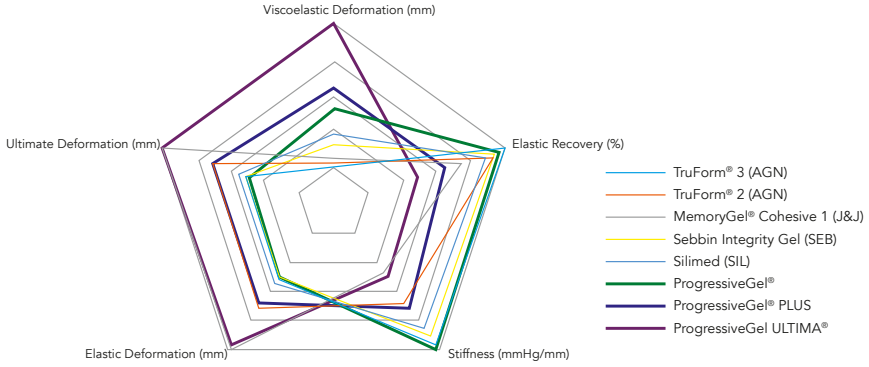
The highest elastic and viscoelastic deformation values translate into a softer and more adaptable gel.



Superior Mechanical & Rheological Performance

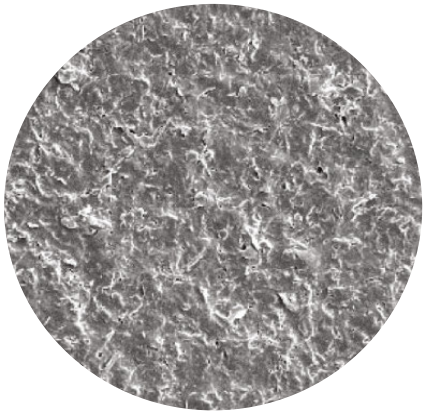
Compared to other implants on the market, Ergonomix with ProgressiveGel Ultima® offers superior mechanical and rheological performance due to its:

- Resistance to gel fracture
- Soft gel
- Shape memory
- Superior cohesive strength
- High elasticity
- Low viscosity
- Optimal shell-to-gel interphase adhesion
- Enhanced viscoelastic properties



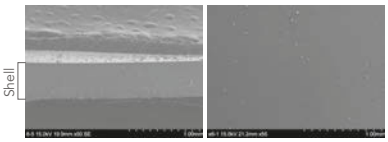
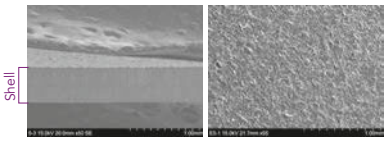
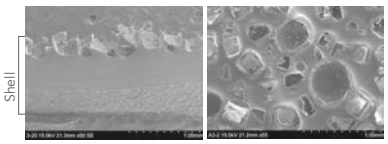
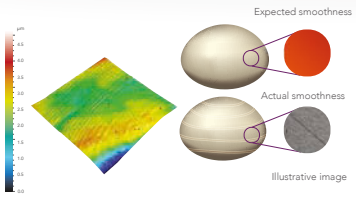
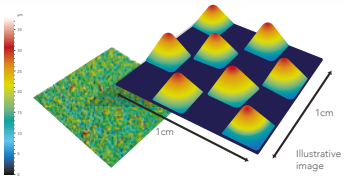
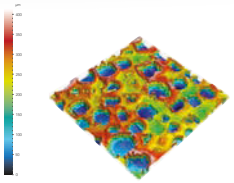
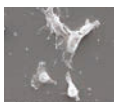
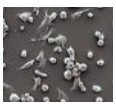
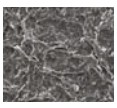
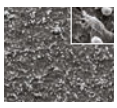
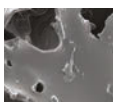
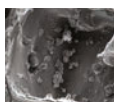
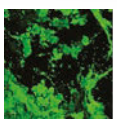
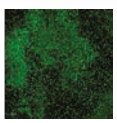
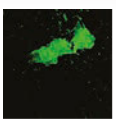
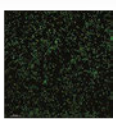
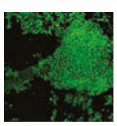
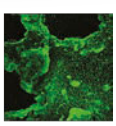
Establishment Labs TS-17-036 Rheology Testing of Breast Implant Gels with the BTC-2000™ (Equipment: Biomechanical Tissue Characterization BTC-2000™)

4. SmoothSilk®/SilkSurface®: A Bioengineered, Cell-Friendly Surface



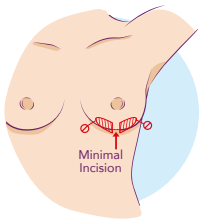
- Less chronic inflammation, bacterial adhesion, friction
- Reduced risk of biofilm, seroma, double capsule, capsular contracture and potentially BIA-ALCL[1-4,7,8]
- No tissue ingrowth
- Soft, thin capsule formation around the implant maintains breast softness over time

Controlled surface topography designed for fibroblast and macrophage attachment

	TRADITIONAL SMOOTH	vs	ADVANCED SMOOTH SMOOTHSILK®/SILKSURFACE®	vs	MACROTEXTURE (SALT LOSS)
Scanning Electron Microscopy (SEM)	 Side view (50x) Top view (55x)		 Side view (50x) Top view (55x)		 Side view (50x) Top view (55x)
3D Representation	 • Directional ridges that promote the formation of synovial-type epithelium[2]		 • **Thousands of contact points per cm²** • **High peaks and short valleys**		 The implant surface remains pitted with randomly arranged, cubed indentations[2]
Cellular Interaction	May promote poor cell attachment and increased fibroblast planar alignment[2]  Fibroblasts  Macrophages		May optimize fibroblast attachment and promote a lower expression of molecules associated with the inflammatory response[3,4]  Fibroblasts  Macrophages		May promote uneven fibroblast attachment and aggregation; macrophages poorly spread[2]  Fibroblasts  Macrophages
Bacterial Adhesion & Biofilm Formation	 *S. epidermidis* Gram+ after 24 hours of growth[5]  *P. aeruginosa* Gram- after 24 hours of growth[5]		 *S. epidermidis* Gram+ after 24 hours of growth[5]  *P. aeruginosa* Gram- after 24 hours of growth[5]		 *S. epidermidis* Gram+ after 24 hours of growth[5]  *P. aeruginosa* Gram- after 24 hours of growth[5]

Adapting surgical technique for Ergonomix® implants

Surgical techniques need to be adjusted when using implants that do not promote tissue ingrowth. Ergonomix® implants are not hard devices that adhere to the chest, but are dynamic ones that naturally stretch the skin and expand the lower pole.



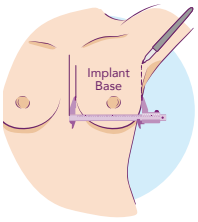
SURGICAL PLANNING

Use a conservative approach to minimize IMF disruption whenever possible

· The ProgressiveGel ULTIMA® and TrueMonobloc® technology make insertion through a small incision easier[9]

· Precise and tight pocket dissection is essential. The healthy capsule that develops cannot be relied upon to restrict implant movement

· Avoid disrupting the ligamentary suspension of this important anatomical structure[4]



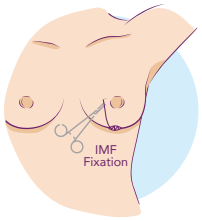
PRECISE POCKET DISSECTION

Match the exact base diameter of the implant to the pocket

· When using the subglandular or subfascial pocket, the horizontal measurements of the pocket should closely match the implant base, even if this means a very conservative lateral dissection

· Achieve precise lateral control of the subpectoral pocket by first dissecting medially and then laterally

· To prevent lateralization, avoid excessive lateral dissection to preserve supportive tissue (muscle or fascia) throughout the entire lateral border of the pocket



IMF FIXATION

Support tissues and secure implant position

Make sure the Scarpa's fascia is secured to the deeper layers to prevent inferior migration of the implant. Various techniques may be used to incorporate sutures into wound closure.

Choose wisely!

Higher breast implant profiles and volumes will have more mass projected towards the front, reducing the implant's support, particularly in less resilient breasts and lax capsules.[10]

Reducing the implant's projection and creating a tight pocket will help prevent implants from flipping.[11]

Planning with 3D imaging technology can also be helpful.

POST-OPERATIVE CARE & SUPPORT

Patients must minimize implant movement during the early post-operative period to maintain the dissected pocket boundaries.[9]

Surgeons should recommend support garments at their discretion. Supportive bras are highly recommended during exercise.

Avoid massaging to minimize tissue stretching and implant displacement. Educate patients on the importance of post-operative care.

Wide variety of shapes and sizes to suit different patient needs

Motiva Ergonomix®

MINI

Catalogue #	A (cm)	B (cm)	C (cm) 40%	C (cm) 45%	V (cc)
ERSM-105Q	8.5	2.2	4.0	4.5	105
ERSM-125Q	9	2.3	4.2	4.7	125
ERSM-140Q	9.5	2.4	4.4	5.0	140
ERSM-150Q	9.75	2.4	4.5	5.1	150
ERSM-160Q	10	2.5	4.6	5.2	160
ERSM-170Q	10.25	2.5	4.7	5.3	170
ERSM-185Q	10.5	2.6	4.9	5.5	185
ERSM-205Q	10.75	2.6	5.0	5.6	205
ERSM-220Q	11	2.7	5.1	5.7	220
ERSM-230Q	11.25	2.7	5.2	5.8	230
ERSM-245Q	11.5	2.8	5.3	6.0	245
ERSM-260Q	11.75	2.8	5.4	6.1	260
ERSM-275Q	12	2.9	5.5	6.2	275
ERSM-290Q	12.25	2.9	5.6	6.3	290
ERSM-310Q	12.5	3.0	5.7	6.5	310
ERSM-360Q	13	3.1	6.0	6.7	360
ERSM-400Q	13.5	3.2	6.2	7.0	400
ERSM-430Q	14	3.3	6.4	7.2	430
ERSM-475Q	14.5	3.4	6.6	7.5	475
ERSM-525Q	15	3.5	6.9	7.7	525

DEMI

Catalogue #	A (cm)	B (cm)	C (cm) 40%	C (cm) 45%	V (cc)
ERSD-135Q	8.5	3.1	4.5	5.1	135
ERSD-155Q	9	3.3	4.8	5.4	155
ERSD-180Q	9.5	3.4	5.0	5.6	180
ERSD-190Q	9.75	3.4	5.1	5.7	190
ERSD-205Q	10	3.5	5.2	5.9	205
ERSD-215Q	10.25	3.5	5.3	6.0	215
ERSD-230Q	10.5	3.6	5.4	6.1	230
ERSD-245Q	10.75	3.7	5.6	6.3	245
ERSD-265Q	11	3.8	5.7	6.4	265
ERSD-285Q	11.25	3.8	5.8	6.5	285
ERSD-300Q	11.5	3.9	5.9	6.7	300
ERSD-320Q	11.75	3.9	6.0	6.7	320
ERSD-340Q	12	4.0	6.1	6.9	340
ERSD-360Q	12.25	4.0	6.2	7.0	360
ERSD-380Q	12.5	4.1	6.3	7.1	380
ERSD-425Q	13	4.3	6.6	7.5	425
ERSD-475Q	13.5	4.4	6.8	7.7	475
ERSD-525Q	14	4.5	7.0	7.9	525
ERSD-575Q	14.5	4.6	7.3	8.2	575
ERSD-625Q	15	4.8	7.5	8.5	625

FULL

Catalogue #	A (cm)	B (cm)	C (cm) 40%	C (cm) 45%	V (cc)
ERSF-145Q	8.5	3.5	4.8	5.4	145
ERSF-175Q	9	3.7	5.1	5.7	175
ERSF-205Q	9.5	3.9	5.3	6.0	205
ERSF-220Q	9.75	4.0	5.5	6.2	220
ERSF-235Q	10	4.1	5.6	6.3	235
ERSF-255Q	10.25	4.2	5.8	6.5	255
ERSF-275Q	10.5	4.3	5.9	6.6	275
ERSF-295Q	10.75	4.4	6.0	6.8	295
ERSF-315Q	11	4.5	6.2	7.0	315
ERSF-335Q	11.25	4.6	6.3	7.1	335
ERSF-355Q	11.5	4.7	6.5	7.3	355
ERSF-375Q	11.75	4.8	6.6	7.4	375
ERSF-400Q	12	4.9	6.7	7.6	400
ERSF-425Q	12.25	5.0	6.9	7.7	425
ERSF-450Q	12.5	5.1	7.0	7.9	450
ERSF-500Q	13	5.3	7.3	8.2	500
ERSF-550Q	13.5	5.5	7.6	8.5	550
ERSF-625Q	14	5.7	7.8	8.8	625
ERSF-700Q	14.5	5.9	8.1	9.1	700
ERSF-775Q	15	6.1	8.4	9.4	775

CORSÉ

Catalogue #	A (cm)	B (cm)	C (cm) 40%	C (cm) 45%	V (cc)
ERSC-180Q	8.5	4.0	5.2	5.8	180
ERSC-210Q	9	4.2	5.4	6.1	210
ERSC-240Q	9.5	4.5	5.8	6.5	240
ERSC-260Q	9.75	4.6	5.9	6.7	260
ERSC-280Q	10	4.8	6.2	6.9	280
ERSC-300Q	10.25	4.9	6.3	7.1	300
ERSC-325Q	10.5	5.1	6.5	7.3	325
ERSC-350Q	10.75	5.2	6.6	7.5	350
ERSC-380Q	11	5.4	6.9	7.7	380
ERSC-410Q	11.25	5.5	7.0	7.9	410
ERSC-440Q	11.5	5.7	7.2	8.1	440
ERSC-475Q	11.75	5.8	7.3	8.3	475
ERSC-510Q	12	6.0	7.6	8.5	510
ERSC-550Q	12.25	6.1	7.7	8.7	550
ERSC-590Q	12.5	6.3	7.9	8.9	590
ERSC-650Q	13	6.6	8.3	9.3	650*
ERSC-725Q	13.5	6.9	8.6	9.7	725*
ERSC-825Q	14	7.2	9.0	10.1	825*
ERSC-925Q	14.5	7.5	9.3	10.5	925*
ERSC-1050Q	15	7.8	9.7	10.9	1050*

A=Base B=Projection C=Arc length V=Volume.
Approximate arc length measurements based on clinical model.

* Special Order

Ergonomix® with QiD®

Mini	Demi	Full	Corsé	ProgressiveGel ULTIMA®	BluSeal®	Single Pack	TwinPack	Sizers	Q Inside®	5Y Extended Warranty**
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

All implants are available to order without Q Inside® by omitting the Q at the end of the catalogue #
Available by special order with VelvetSurface® by replacing the 3rd letter in the catalogue # with the letter V as per the Nomenclature Guide on p. 9

**Optional

Contact your local Motiva® product specialist for more information.

References:

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