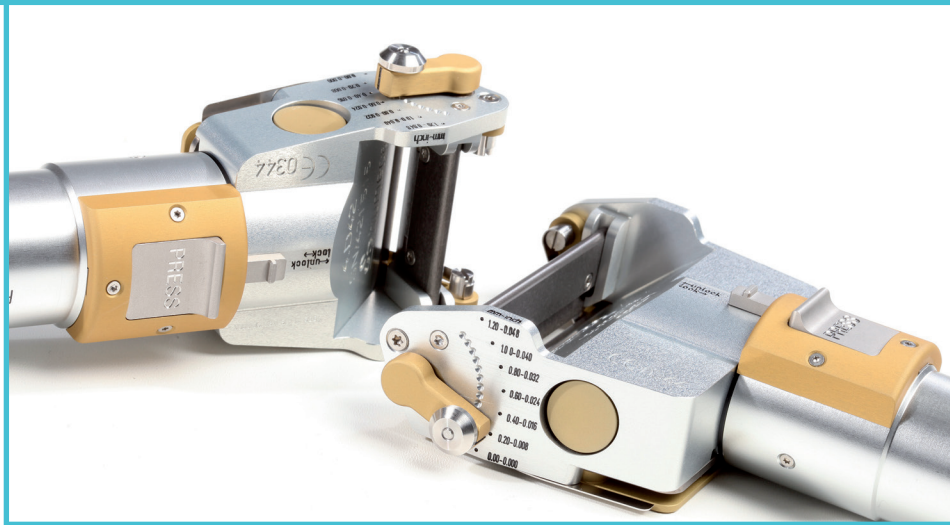




Skin Grafting

Cordless Dermatomes & Blades



Humeca have two cordless, battery operated dermatomes.

The larger D80 dermatome is highly adaptable and was developed for more general use, it is therefore much more widely used in the UK.

The small one, the D42 is a very maneuverable instrument. It is an excellent tool in paediatric and general plastic surgery, especially for primary excision and harvesting small grafts from curved surfaces. It also harvests the exact width of skin graft for Humeca's MEEK technique, speeding up the procedure.

Cordless dermatomes features

- Cordless, battery operated and lightweight design offers optimum maneuverability and mobility
- Precise thickness of the graft from 0.0 to 1.2 mm (0.000-0.0048") in 0.1mm (0.008") increments.
- The use of width-reducing clamps on the dermatome head allows cutting of smaller graft widths
- Thickness adjustment can be fixed to prevent accidental change of graft thickness during cutting.
- Safe and quick blade replacement
- Battery and motor of the instrument are not sterilised, thus guaranteeing optimum durability
- Powerful Li-Ion batteries with no memory effect allow long time cutting without intermediate charging
- Complete set in sterilisation case with separate battery charger
- Extremely small head of D42 allows precision cutting, especially in problematic zones and paediatric surgery
- Graft width of 42 mm (1.65") assures optimum performance in combination with the MEEK technique

D42 D42 Dermtome Complete Set

D80 D80 Dermtome Complete Set

Blades: great value combined with good compatibility

Humeca supplies a range of high quality blades for the D42 and D80 cordless dermatomes; symmetrical and double facet grinded blades offer minimum resistance and uniform graft thickness. The blade moves at a maximum speed of over 7000 strokes per minute and this assures smooth cutting operation and also enables very thin grafting.

Dermatome Blades



Humeca supplies a range of high quality blades for different types of dermatomes.

Humeca also supplies blades that fit:
Aesculap® / B.Braun® cordless dermatomes

Padgett® dermatomes type B, C and S

Zimmer® dermatomes type 8801 (air) and 8821 (electric).

Blades: Features

- Precision facet grinded without burrs.
- Material: stainless steel 1.4034.
- Separately packed in pouch with safety sleeve.
- Radiation sterilised.
- Supplied in boxes of 10 pcs.

Please note that these blades are manufactured by Humeca and suppliers of the original brand blades are not responsible for their performance



Humeca blade that fits Aesculap® B.Braun® dermatome



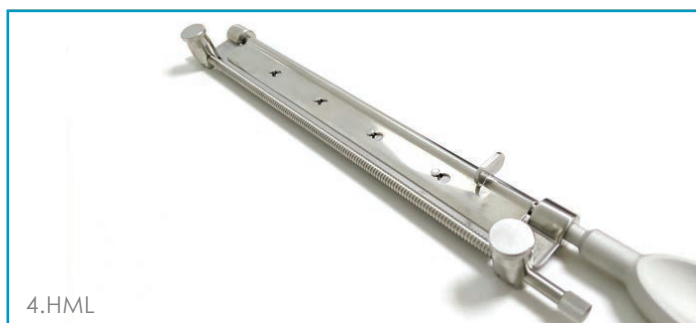
Humeca blade that fits Integra® Padgett® dermatome



Humeca blade that fits Zimmer® dermatome

5.D42BL10	D42 dermatome blades, box 10 pcs.
5.D80BL10	D80 dermatome blades, box 10 pcs.
5.BLZM10	Blades for Zimmer Electric and air dermatomes. Box of 10
5.BL4245	Blades for Aesculap® cordless dermatomes, box 10 pcs.
5.BLPG10	Blades for Padgett® dermatomes, model B, C and S, box 10 pcs.

Humeca knives and blades



Common knife features

- Free handed harvest of (split-thickness) skin grafts and debridement of wounds.
- High quality stainless steel and aluminium materials.
- Quick blade replacement possible without tooling. The Sober dermatome has an integrated tool for blade replacement.

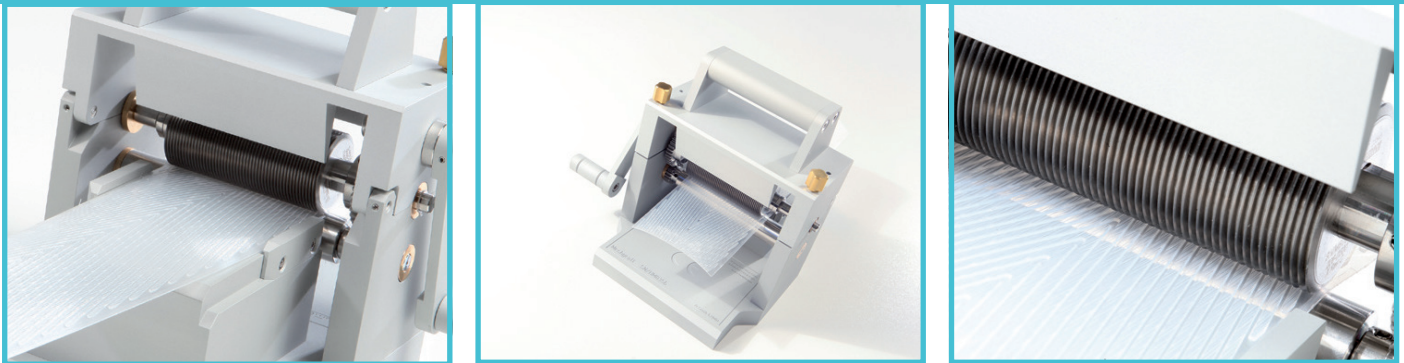
4.SIL	Humeca Silver knife
4.HMB	Humeca Humby knife
4.COB	Humeca Cobbett knife
4.WAT	Humeca Watson knife
4.HML	Humeca Humby long knife
4.SB01	Sober dermatome set
SK BA710R	Goulian Knife

Common blade features

- Made from martensitic stainless steel, a material commonly used for surgical tools.
- High carbon content ensures high tensile strength.
- All blades go through a hardening process to increase durability and corrosion resistance even further.
- Two-sided double facet grinded, resulting in edge retention, minimized risk of chipping during use and consistent performance.
- In addition to the above, the Humeca blade for Silver knives is also double edged, meaning there are two cutting sides for double the durability.

5.BLSIL10	Humeca blade for Silver knife, 10 pcs
5.BLHCW10	Humeca blade for Humby, Cobbett and Watson knives, 10 pcs
5.BLHUL10	Humeca blade for Humby long knife, 10 pcs
5.BLSB10	Blades for Sober dermatome, box 10 pcs
SKBA711R-ST	Blades for Goulian knife, box 10 pcs

Mesher



The Humeca mesher is provided with a unique spring mechanism that prevents the blades from excessive pressure on the carrier during cutting, thus increasing the life time of the blades. During cutting, the carrier is guided both at the left and the right side to assure straight movement and exact connection of the grooves of a second carrier if applied.

Unlike most conventional meshers, where the carrier is moved through the device by means of intermittently pulling a ratchet, the Humeca® mesher is driven by the continuous rotation of a handle. The rotation makes the meshing procedure less time consuming and the design is far more ergonomic.

Opening the bridge of the mesher allows easy access to the cutting axis for cleaning and inspection.

Mesher features

- Robust and durable construction
- Compatible with Humeca® V-carriers of all types
- Spring mechanism prevents blade damage
- Continuous rotational drive; no intermittent pulling of a ratchet
- Measures: 220 x 212 x 183 mm
- Weight: 4.4 kg
- Cutting axis can easily be removed for sterilisation
- Compact sterilisation case available with separate case for the cutting axis

6.HM01

Humeca Mesher

HMAC03

Humeca Mesher Sterilisation Case

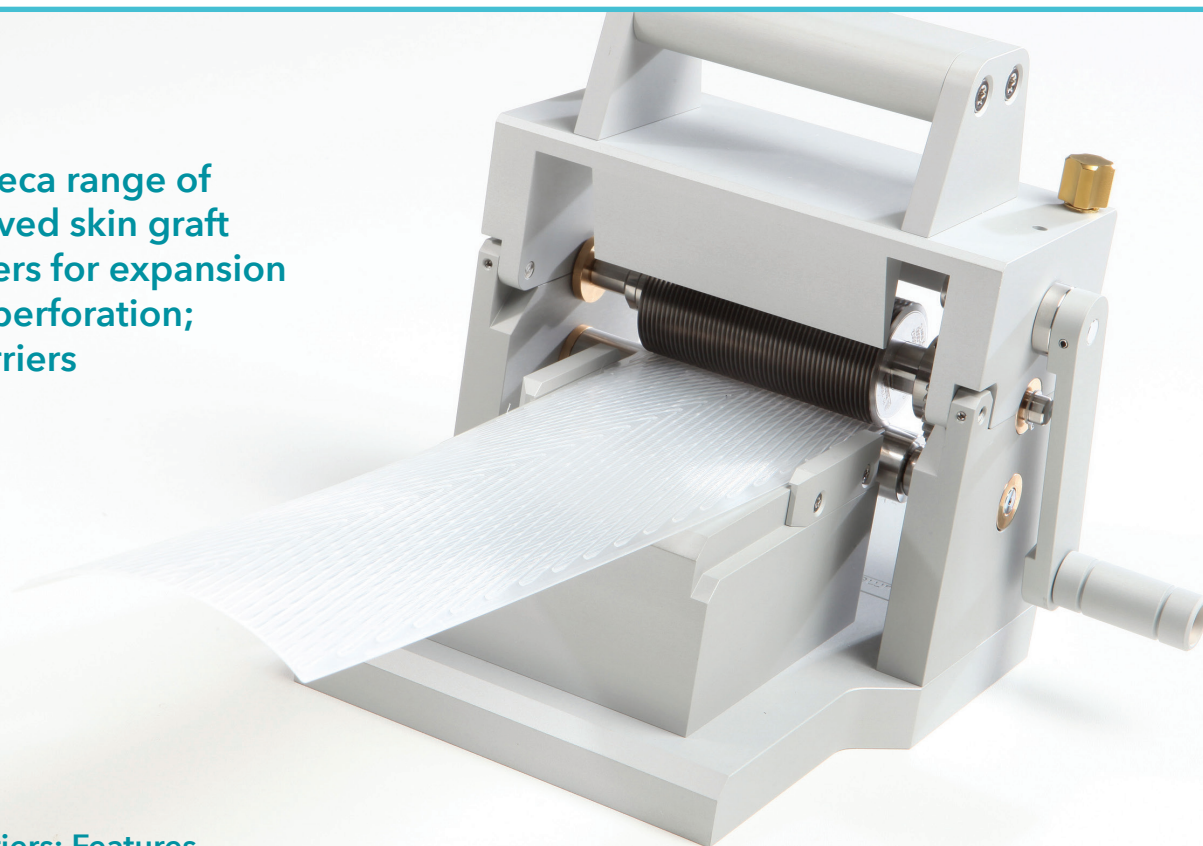
V-Carriers: for effective expansion and perfect perforation

Humeca introduces a new range of grooved skin graft carriers, called 'V-carriers'. The symmetric V-shaped groove pattern of these carriers prevents unwanted sideward movement during cutting. The standard length of these carriers is 28 cm and thus longer than the length of existing carriers. Care has been taken to ensure that the groove pattern of the carriers connect to each other and this enables cutting of extra-long graft strips.

The V-carriers are available in versions that are compatible with Zimmer® meshers and versions that are compatible with Aesculap® / B.Braun® meshers. Available expansion ratios: 1:1, 1:1.5, 1:2 and 1:3. The 1:1 carrier only perforates the graft without the intention of expanding it, also known as micro-meshing the skin

V-Carriers

Humeca range of grooved skin graft carriers for expansion and perforation; V-carriers



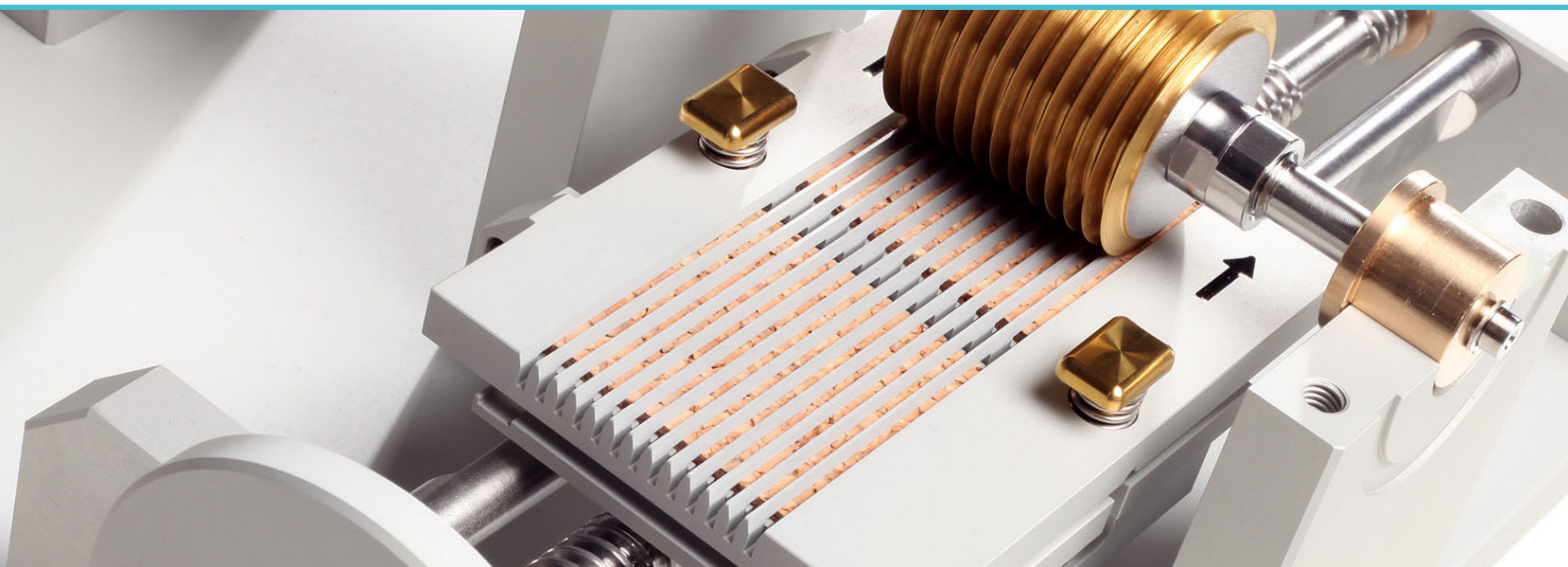
V-carriers: Features

- Compatible with existing Zimmer® and Aesculap® / B.Braun® meshers
- Symmetric V-pattern of grooves prevents sideward movement
- Standard length 280 mm, width 78.8 mm
- Expansion ratios 1:1.5, 1:2 and 1:3
- Special carrier for 1:1 perforation (drainage) of sheet grafts
- Highly flexible medical grade polypropylene material
- Individually sterile packed in peel pouch; standard boxes 10 pcs.
- Attractively priced



V10-1.0	V-carrier, perforation 1:1, for Humeca and Zimmer® meshers, box 10 pcs.
V10-1.5	V-carrier, expansion ratio 1:1.5, for Humeca and Zimmer® meshers, box 10 pcs.
V10-2.0	V-carrier, expansion ratio 1:2, for Humeca and Zimmer® meshers, box 10 pcs.
V10-3.0	V-carrier, expansion ratio 1:3, for Humeca and Zimmer® meshers, box 10 pcs.
V15-1.0	V-carrier, perforation 1:1, for Humeca and Aesculap® / B.Braun® meshers, box 10 pcs.
V15-1.5	V-carrier, expansion ratio 1:1.5, for Humeca and Aesculap® / B.Braun® meshers, box 10 pcs.
V15-3.0	V-carrier, expansion ratio 1:3, for Humeca and Aesculap® / B.Braun® meshers, box 10 pcs.

MEEK



All burn surgeons worldwide face the same problems in treatment of severe burn wounds such as limited donor sites and difficulty in handling widely meshed skin grafts, especially when expansion ratios of 1:3 and higher are required.

The expansion ratios of these mesh grafts are not realistic as 25% - 40% is lost during meshing and handling.

We are proud to be the exclusive supplier of the modified MEEK technique, the solution to all of these problems.

Unique MEEK features

- Very small donor sites required
- Large expansion ratios, up to 1:9, possible
- Any small skin fragments can be used so no precious donor skin is wasted
- Fast and uniform epitheliasation
- Excellent graft take due to correctly orientated graft islands
- Failure of a few islands does not affect overall graft take
- Cosmetic results comparable with mesh grafts of a lower expansion
- Grafts very easy to manipulate
- Less infections and faster healing process



3.MD	MEEK Cutting Machine
2.2/10	Gauze and cork boards ratio 1:2. Box of 10
03.3.196.02/10	Gauze and cork boards ratio 1:3. Box of 10
04.3.196.02/10	Gauze and cork boards ratio 1:4. Box of 10
06.3.196.02/10	Gauze and cork boards ratio 1:6. Box of 10
09.3.196.02/10	Gauze and cork boards ratio 1:9. Box of 10
2.9190	MEEK Adhesive spray

To watch a video
on the MEEK
technique, scan
the QR code



PELNAC Artificial Dermis



Artificial dermis PELNAC consists of two layers; a porcine tendon-derived atelocollagen sponge layer and silicone film. It is suitable for use in full-thickness skin defect wounds and used as

alternative materials for traditional treatment for the formation of new dermis-like tissue by invasion of fibroblasts into the atelocollagen sponge matrix.

Clinical Advantage

- Provides a high survival rate of secondary skin grafts and satisfactory aesthetic results.
- Thin split-thickness skin graft is achievable and it

reduces the damage of donor site, minimises skin sacrifice.

- Minimal contraction or pigmentation after treatment

Product Characteristic

- Made of atelocollagen derived from porcine tendon and silicone
- The soft collagen sponge structure ensures excellent contact with the irregular wound surface.

- Various types appropriate for wound condition are available.

- Easy transportation and storage by re-freeze dried condition

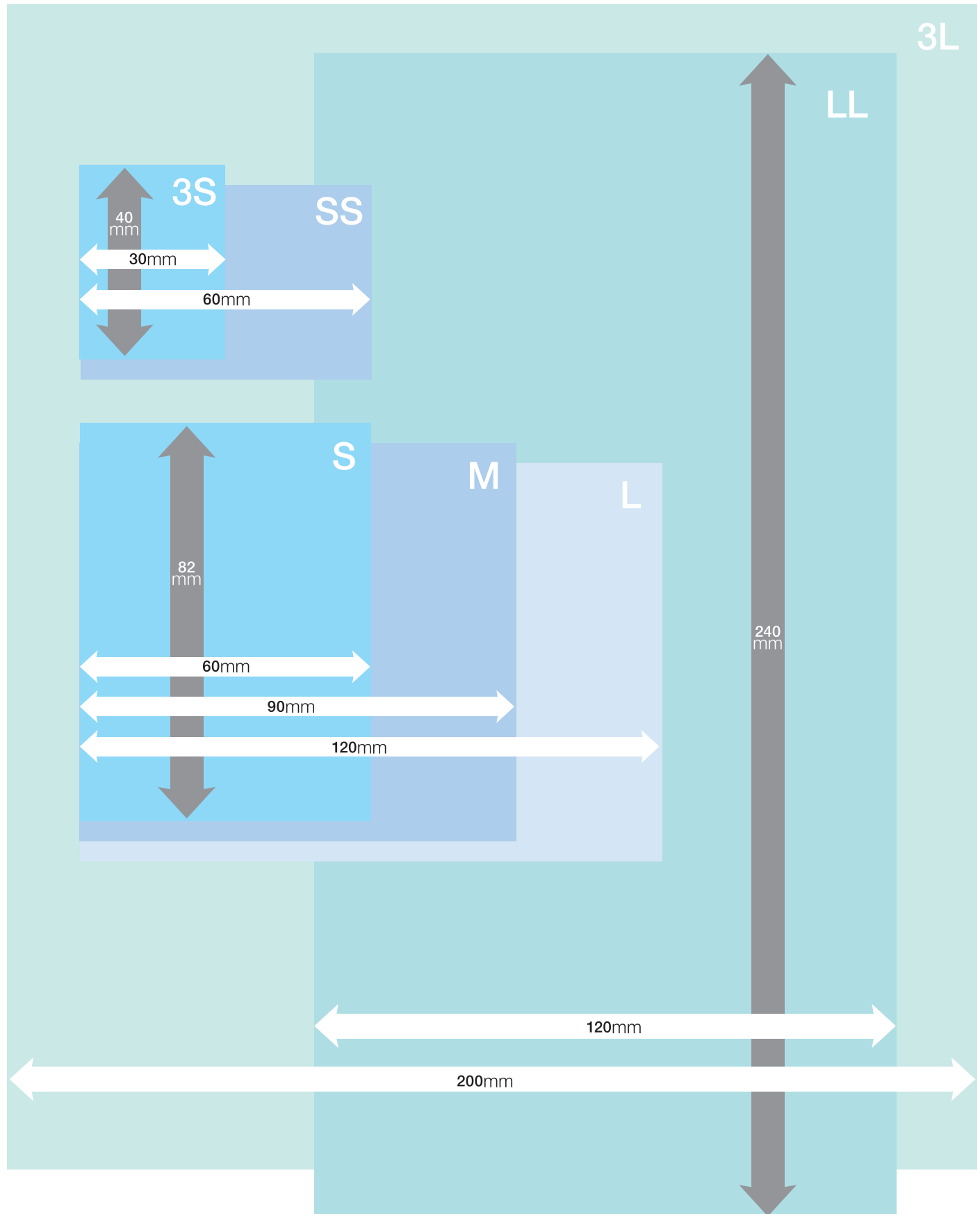
Mechanism of Action

- Fibroblasts and capillaries infiltrate into atelocollagen from the recipient matrix and surrounding tissues and form good dermis-like tissue.

- Regeneration of dermis-like tissue is clearly different in features including collagen arrangement from scar tissue.

Size	Dimensions (mm)	Package (1 box)	Fenestrated (3mm)	Fortified (3mm)	Single Layer (3mm)
3S	40 × 30	1	PN-D40030	PN-F40030 (NPC ELY85172)	PN-S40030
SS	40 × 60	1	PN-D40060	PN-F40060	PN-S40060
S	82 × 60	1	PN-D82060	PN-F82060	PN-S82060
M	82 × 90	1	PN-D82090 (NPC ELY85174)	PN-F82090 (NPC ELY85175)	PN-S82090
L	82 × 120	1	PN-D82120	PN-F82120	PN-S82120
LL	120 × 240	1	PN-D120240	PN-F120240	PN-S120240
3L	200 × 240	1	PN-D200240	PN-F200240	PN-S200240

PELNAC Artificial Dermis (Size Variations)



Neoveil – Mucosal Template

Neoveil Sheet is a bioabsorbable polyglycolic acid (PGA) sheet designed to provide temporary wound coverage and support tissue regeneration.

Key Features

- Fully synthetic
- Bioabsorbable
- Flexible and conformable
- Easy to trim and shape
- Supports epithelialisation
- Gradually absorbed by the body



Supporting Mucosal Regeneration and Preventing Scar Contract

Applications

- Oral mucosal defects
- Tongue reconstruction
- Buccal mucosa defects
- Oropharyngeal defects
- Laryngeal and tracheal burns
- Airway stenosis prevention
- Head and neck surgery

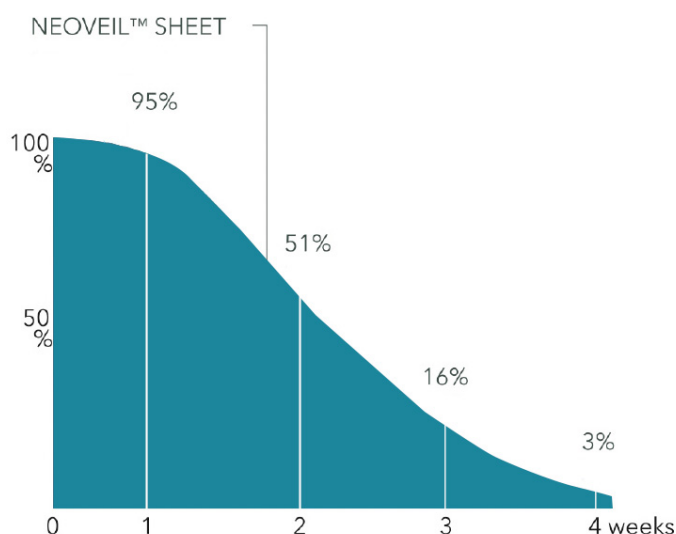
Clinical Benefits

- Protects exposed tissue
- Reduces mechanical irritation
- Reduces pain
- Promotes organised healing
- Helps minimise scar contracture
- Maintains tissue integrity and prevents adhesions

Retention of Strength

NEOVEIL™ degrades by hydrolysis

- Completely absorbed after about 15 weeks



Code	Size
NV-M-04G	100 x 50 x 0.4 mm
NV-M-015G	100 x 50 x 0.15 mm



1 sheet / box

NEOVEIL™ SHEET
Product video



Indications

Tongue Defects

After partial glossectomy:

- Maintains mobility
- Supports epithelial regeneration
- Reduces discomfort

Buccal Mucosa Defects

- Covers exposed muscle
- Reduces contracture risk
- Supports functional healing

Floor of Mouth Reconstruction

- Temporary biological dressing
- Improved patient comfort

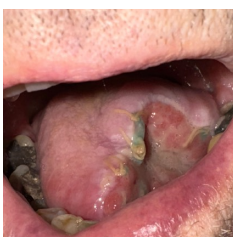
Tracheal and Laryngeal Burns

Neoveil may be used as a temporary wound covering to:

- Support mucosal healing
- Reduce excessive granulation
- Minimise fibrosis
- Help preserve airway patency

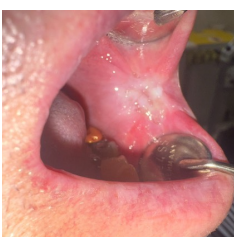
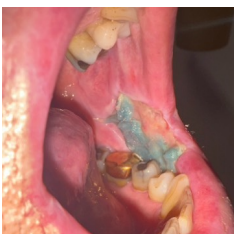
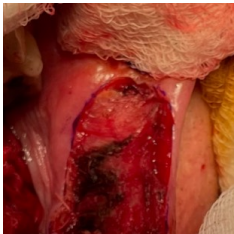
Patient 1: 83yo M

On aspirin
Left tongue SCC T1



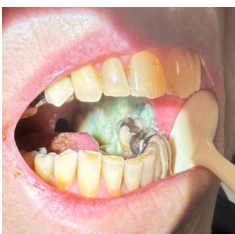
Patient 2: 76yo M

On clopidogrel
Left buccal high-grade dysplasia and Carcinoma in-situ



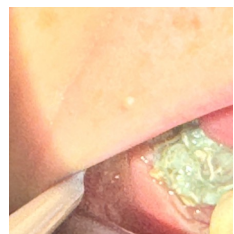
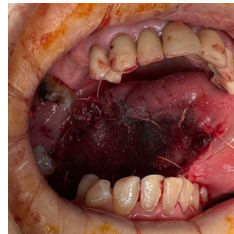
Patient 3: 77yo F

On apixaban
Left retromolar area SCC



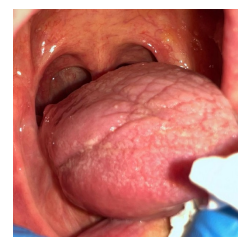
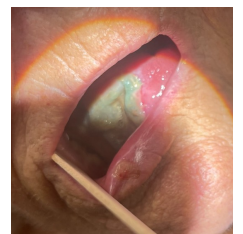
Patient 4: 64yo F

On azathioprine and etanercept
Right tongue SCC T1



Patient 5: 79yo F

Right tongue SCC T1



*Images from a clinical poster presented at BAOMS 2024: A case series of Neoveil dressing use in OMFS in the UK
Authors; I. Dimasi, M. Tsakalidis, K.Fasanmade, M. Garg - Oxford University Hospitals NHS Foundation Trust

All Patients

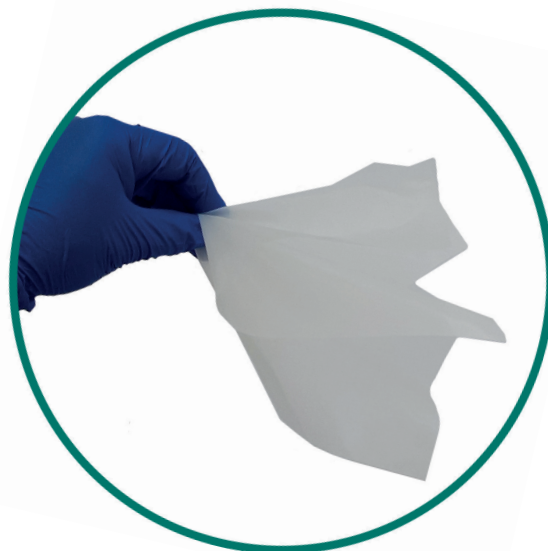
No post-operative bleeding / Minimal post-operative pain / No post-operative infection

SURFASOFT

The perfect wound contact layer

Surfasoft® is a unique transparent dressing made of monofilament polyamide, creating a smooth and transparent fabric with an open draining surface of 41%. The unique porous pattern allows evaporation and drainage of wound fluids, without drying the wound surface, as well as topical preparations to pass through to the skin graft when using for burns.

As a non-adherent interface, Surfasoft® can be used as a protection for vulnerable wound surfaces and ensures undisturbed wound healing. Surfasoft® maintains an optimal moist environment for wound healing. Surfasoft® can be used safely with most absorbent dressings thanks to the inert contact material composition. Dressing changes are also much easier to perform and are less painful for the patient.



Product features and benefit

Easy use

- Easy to cut to size
- Does not stick to gloves and is very easy to apply and to model in cavities
- Easy to remove without damaging the newly formed epithelium or granulation tissue

Tissue-friendly

- Non-adherent
- Non-irritating
- Hypoallergenic
- Latex free

Product applications

- Superficial & full thickness burns
- Donor sites
- Graft fixation sites
- NPWT indications
- Partial & full thickness wounds
- Traumatic and chronic wounds
- Clean closed surgical incisions
- Dermatologic lesions

SURF10155 Surfasoft® 10 cm x 15 cm, box 10 pcs.

SURF2033S Surfasoft® 20 cm x 33 cm, box 25 pcs.

SURF5065S Surfasoft® 50 cm x 65 cm, box 5 pcs.



Learn more, scan the QR code below



Eurosurgical Limited
Merrow Business Centre, Guildford,
Surrey GU4 7WA, United Kingdom

+44 (0) 1483 456 007
sales@eurosurgical.co.uk
www.eurosurgical.co.uk