

# BIOHORIZONS® Laser-Lok Technology



BioHorizons is the only company to offer Laser-Lok microchannels for improved esthetic results bycreating connecting tissue attachment and retaining crestal bone.

Through their end cutting and self-tapping thread design, BioHorizons implants allow the dentists to have better control for implant placement especially in challenging cases

The unique design of the tapered body and aggressive threads yields an unmatched stability. In addition, the reduced collar diameter leads to vital bone.

#### platform switching

designed to increase soft tissue volume

#### Laser-Lok® zone

creates a connective tissue seal and retains crestal bone



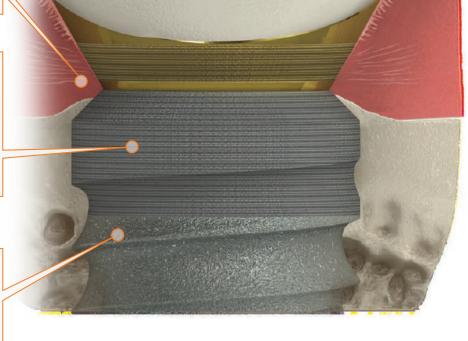
#### optimized threadform

buttress thread engineered for superior stability over microthreaded implants



#### restorative choices

comprehensive line of internally hexed prosthetics for a wide variety of site conditions and restorative protocols

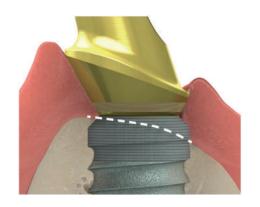




# Implant Placement Level & Spacing

Placement in Uneven Edges

When placing the implant in an uneven ridge, prepare the osteotomy and place the implant so the bone/soft-tissue junction is within the Laser-Lok transition zone. This will allow both soft tissue and bone to attach to the Laser-Lok collar. If the ridge discrepancy is more than the Laser-Lok transition zone, leveling the ridge can be considered.



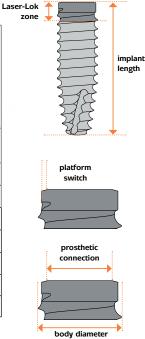
#### Tapered Pro Implants

# Tapered PRO

BioHorizons new tapered Pro implants features aggressive, self tapping buttress threads that provide progressive insertion torque and compressive loading for primary stability. The platform-switched Laser-Lok collar creates a connective tissue attachment and retains crestal bone. Tapered Pro implants use the existing BioHorizons conical internal hex connections maintaining compatibility with existing components and can be placed using existing BioHorizons Tapered surgical kits.

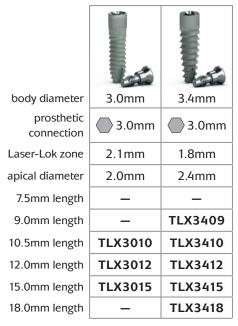
|                       |                       |                        |                       | •       |
|-----------------------|-----------------------|------------------------|-----------------------|---------|
| body diameter         | 3.8mm                 | 4.2mm                  | 4.6mm                 | 5.2mm   |
| prosthetic connection | 3.0mm                 | 3.5mm                  | 3.5mm                 | 4.5mm   |
| Laser-Lok zone        | 1.8mm                 | 1.8mm                  | 1.8mm                 | 1.8mm   |
| apical diameter       | 2.8mm                 | 3.0mm                  | 3.2mm                 | 3.3mm   |
| 9.0mm length          | BTA3809               | BTA4209                | BTA4609               | BTA5209 |
| 10.5mm length         | BTA3810               | BTA4210                | BTA4610               | BTA5210 |
| 12.0mm length         | BTA3812               | BTA4212                | BTA4612               | BTA5212 |
| 15.0mm length         | BTA3815               | BTA4215                | BTA4615               | BTA5215 |
| 18.0mm length         | BTA3818               | BTA4218                | BTA4618               |         |
|                       | Lacer Lok collar with | Recorbable Blact Teytu | ring (PRT) on implant |         |

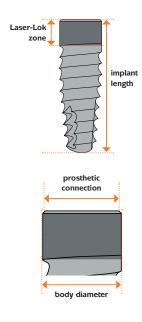
 $\label{lambda} Laser-Lok collar with Resorbable Blast Texturing (RBT) on implant body. Mount-free for quick placement and maximum site visibility. Comes packaged with a Cover Cap. Titanium Alloy (Ti-6Al-4V ELI).$ 



# Tapered Internal Implants

Tapered Internal dental implants offer excellent primary stability, maximum bone intergration and soft tissue attachment for those the best and long lasting results achieved by its design and features.





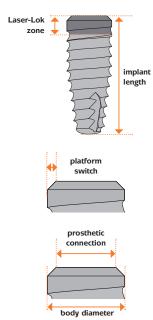
Expanded Laser-Lok zone with no smooth, machined area. Resorbable Blast Texturing (RBT) on implant body. Packaged mount-free for quick placement and maximum site visibility. Comes packaged with a Cover Cap. Titanium Alloy (Ti-6Al-4V ELI).

#### Tapered Plus Implants

# Tapered Plus Laser-Lok & Non-Laser-Lok

The tapered Plus Implant system offers all the great benefits of BioHorizon highly successful Tapered Internal system with the added feature of platform switching that increase the soft tissue volume around the implant prosthesis.

| body diameter            | 3.8mm    | 4.6mm    | 5.8mm    |
|--------------------------|----------|----------|----------|
| prosthetic<br>connection | 3.0mm    | 3.5mm    | 4.5mm    |
| Laser-Lok zone           | 1.8mm    | 1.8mm    | 1.8mm    |
| apical diameter          | 2.8mm    | 3.1mm    | 3.9mm    |
| platform switch          | 0.4mm    | 0.5mm    | 0.6mm    |
| 7.5mm length             | _        | TLXP4607 | TLXP5807 |
| 9.0mm length             | TLXP3809 | TLXP4609 | TLXP5809 |
| 10.5mm length            | TLXP3810 | TLXP4610 | TLXP5810 |
| 12.0mm length            | TLXP3812 | TLXP4612 | TLXP5812 |
| 15.0mm length            | TLXP3815 | TLXP4615 | TLXP5815 |

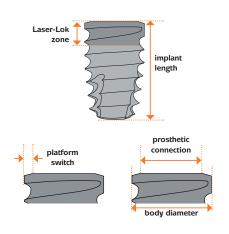


Laser-Lok collar with Resorbable Blast Texturing (RBT) on implant body. Mount-free for quick placement and maximum site visibility. Comes packaged with a Cover Cap. Titanium Alloy (Ti-6Al-4V ELI).

# Tapered Short Implants

Tapered Short implants offer a solution fo cases with limited vertical bone height and minimizing the need for bone grafting. The implant design features an aggressive thread profile and tapered body for primary stability, even in compromised situations. A platform-switched, dual affinity, Laser-Lok surface offers crestal bone retention and connective tissue attachment for flexible placement in uneven ridges.



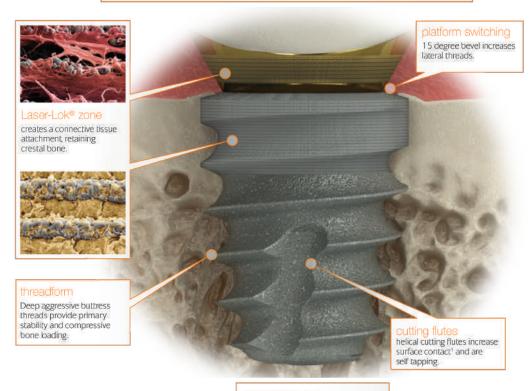




# limited space The new Tapered Short implant is a solution for areas of limited space, where preserving anatomical landmarks

is critical.





#### restorative ease

45° conical internal hex connection is color-coded for quick identification and component matching.

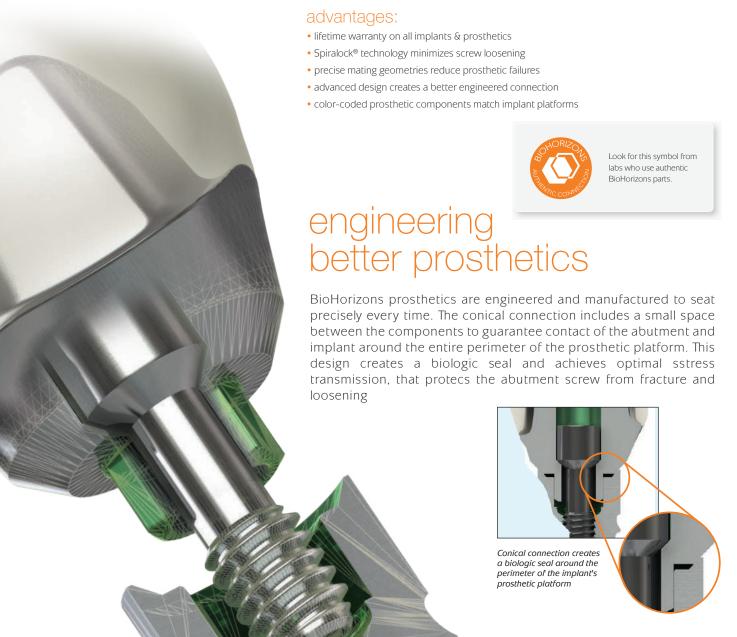
# BIOHORIZONS®

# Prosthetics

# why choose BioHorizons prosthetics?

Using authentic BioHorizons parts will ensure a precision fit connection between the prosthetic component and implant, avoiding costly component failures that may occur from using third party prosthetics. Authentic BioHorizons parts are color-coded for easy identification to match the mating implant.

authenticconnection



### BIOHORIZONS' ABUTMENTS

#### Contour Abutments

Contour Abutments are designed to develop a natural emergence profile.

#### **Dual Purpose Contour Abutments**

Use to fabricate cement-retained, single- or multiple-unit prosthesis. Also used with Ball-top screw as a closed-tray impression coping.



TP3DPCA 3.0mm Abutment
PYDPCA 3.5mm Abutment
PGDPCA 4.5mm Abutment
PBDPCA 5.7mm Abutment

#### Custom Castable Abutments

Hexed abutments are used for single-unit screw-retained restorations. Non-hexed abutments are used for multiple-unit screw-retained restorations. Color-coded to match implant platform.



PYPCAH PGPCAH 3.5mm Plastic Abutment, Hexed 4.5mm Plastic Abutment, Hexed



PYPCAN PGPCAN 3.5mm Plastic Abutment, Non-hexed 4.5mm Plastic Abutment, Non-hexed

#### Titanium Base Abutments



TP3TB PYTB PGTB PBTB 3.0mm Abutment 3.5mm Abutment 4.5mm Abutment 5.7mm Abutment

#### 15° Angled Contour Abutments

Use to fabricate cement-retained, single-or multiple-unit prosthesis when 15° angulation is needed.



TP3ACA PYACA 3.0mm Abutment 3.5mm Abutment

#### Hybrid Base Abutments



TP3HYB PYHYB PGHYB 3.0mm platform, hexed 3.5mm platform, hexed 4.5mm platform, hexed



TP3HYBN PYHYBN PGHYBN 3.0mm platform, non-hexed 3.5mm platform, non-hexed 4.5mm platform, non-hexed



TP3HYB2 PYHYB2 PGHYB2 3.0mm platform, 2mm collar height 3.5mm platform, 2mm collar height 4.5mm platform, 2mm collar height

### TEMPORARY ABUTMENTS

#### Titanium Temporary Abutments





TP3TTH PYTTH PGTTH 3.0mm platform, hexed Internal 3.5mm platform, hexed Internal 4.5mm platform, hexed

TP3TTN PYTTN PGTTN 3.0mm platform, non-hexed Internal 3.5mm platform, non-hexed Internal 4.5mm platform, non-hexed

#### PEEK Temporary Abutments (Regular Emergence)



TP3TA 3.0mm platform PYRTA 3.5mm platform

#### Angled PEEK Temporary Abutments (Regular Emergence)



TP3RATA 3.0mm platform PYRATA 3.5mm platform

#### PEEK Temporary Cylinder Abutments



TP3PTC 3.0mm platform, hexed PYPTC 3.5mm platform, hexed 4.5mm platform, hexed



TP3PTCN 3.0mm platform, non-hexed PYPTCN 3.5mm platform, non-hexed 4.5mm platform, non-hexed

### Laser-Lok Healing Abutments

|         |                           | abutment<br>diameter | 3mm height | 5mm height |
|---------|---------------------------|----------------------|------------|------------|
| Regular | 4.5mm platform, Laser-Lok | 5.5mm                | -          | PYNHA5L    |
|         | 3.0mm platform, Laser-Lok | 4.0mm                | -          | PGNHA5L    |
| Wide    | 3.5mm platform, Laser-Lok | 6.0mm                | PYWHA3L    | PBNHA5L    |
|         | 7.0mm platform, Laser-Lok | 7.0mm                | PGWHA3L    | PBNHA5L    |

Use Laser-Lok healing abutments when a Laser-Lok abutment restoration is planned to inhibit epithelial downgrowth, establish a soft tissue seal and protect the bone. When a Laser-Lok component is used and temporarily removed for impression making or other restorative procedures, keep the removed Laser-Lok component in sterile saline until reinserting into the site.



#### Standard Healing abutments

|         |                             | abutment<br>diameter | 3mm height | 5mm height |
|---------|-----------------------------|----------------------|------------|------------|
| Narrow  | 3.0mm platform              | 3.0mm                | TP3NHA3    | TP3NHA5    |
|         | 5.7mm platformm             | 6.0mm                | PBNHA3     | PBNHA5     |
|         | 3.0mm platform              | 3.5mm                | ТРЗНАЗ     | TP3HA5     |
| Regular | 3.5mm platform              | 4.5mm                | PYRHA3     | PYRHA5     |
|         | 4.5mm platform              | 5.5mm                | PGRHA3     | PGRHA5     |
|         | 5.7mm platform              | 6.5mm                | PBRHA3     | PBRHA5     |
| Wide    | 3.0mm platform              | 4.0mm                | TP3WHA3    | TP3WHA5    |
|         | 3.0mm platform (extra wide) | 5.0mm                | TP3EWHA3*  | TP3EWHA5*  |
|         | 3.5mm platform              | 6.0mm                | PYWHA3     | PYWHA5     |
|         | 4.5mm platform              | 7.0mm                | PGWHA3     | PGWHA5     |
|         | 5.7mm platform              | 8.0mm                | PBWHA3*    | PBWHA5*    |



#### Indirect Scoop Copings (Closed Tray)

Use to make a closed-tray, implant-level, hexed-timed impression. Pre-assembled with a coping screw (PXSS). Titanium Alloy.

TP3ISC 3.0mm platform (Regular Emergence)
TP3WISC 3.0mm platform (Wide Emergence)

PYRISC 3.5mm platform (Regular Emergence)

PGRISC 4.5mm platform (Regular Emergence)

PBNISC 5.7mm platform (Narrow Emergence)



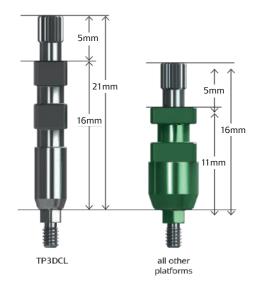
#### Direct Pick-up Copings (Open Tray)

Use to make an open-tray, implant-level impression. Packaged with the direct coping screw, shallow hex (PXDCSS). Non-hexed versions may also be used to fabricate multiple-unit bars. Titanium Alloy. Hand-tighten.

TP3DC 3.0mm platform, hexed (Regular Emergence)
TP3DCN 3.0mm platform, non-hexed (Regular Emergence)
TP3DCL 3.0mm platform, hexed, long (Regular Emergence)

PYNDCN 3.5mm platform, non-hexed (Narrow Emergence)
PYRDC 3.5mm platform, hexed (Regular Emergence)

PGRDC 4.5mm platform, hexed (Wide Emergence)



#### Snap Copings

Use to make a closed-tray, direct pick-up, implant-level impression. PEEK (PolyEtherEtherKetone) and Titanium Alloy material.

TP3RSC 3.0mm platform (Regular Emergence)
TP3WSC 3.0mm platform (Wide Emergence)

PYNSC 3.5mm platform (Narrow Emergence)
PYRSC 3.5mm platform (Regular Emergence)

PGRSC 4.5mm platform (Regular Emergence)
PGWSC 4.5mm platform (Wide Emergence)

PBNSC 5.7mm platform (Narrow Emergence)



#### Snap Scan Body

TP3SSB8\* 3.0mm platform, 8mm
PYSSB8\* 3.5mm platform, 8mm
PGSSB8\* 4.5mm platform, 8mm

TP3SSB11 \* 3.0mm platform, 11mm
PYSSB11 \* 3.5mm platform, 11mm
PGSSB11 \* 4.5mm platform, 11mm



#### Implant Analogs



TP3IA 3.0mm platform
PYIA 3.5mm platform
PGIA 4.5mm platform
PBIA 5.7mm platform

### PRECISION ANGLED SCREW SYSTEM

#### Precision angled Screw System

BioHorizons Precision Angled Driver & Screw provide a solution for challenging screw-retained restorations, from esthetic demanding cases to hard to reach sites. Restorations can now be designed with angled screw channels that increase accessibility, allow for optimized esthetics and provide ease of placement.





#### MULTI-UNIT ABUTMENTS

#### Straight Multi-unit Abutments

Straight Multi-unit abutments may be used for multiple-unit restorations including: screw-retained restorations at the abutment level, cast alloy bars for overdentures and fixed/ detachable (hybrid) restorations. Comes with a cover cap (PXMUCC). Final torque: 30 Ncm using a Multi-unit Hex Adapter. Titanium alloy.

| TP3MU1<br>TP3MU3        | 3.0mm platform, 1mm collar 3.0mm platform, 3mm collar                                  |
|-------------------------|--|
| PYMU1<br>PYMU3<br>PYMU5 | 3.5mm platform, 1mm collar<br>3.5mm platform, 3mm collar<br>3.5mm platform, 5mm collar |
| PGMU1                   | 4.5mm platform, 1mm collar   |

4.5mm platform, 3mm collar

4.5mm platform, 5mm collar







#### 17° Angled Multi-unit Abutments

PGMU3

PGMU5

TP3MU173 3.0mm platform, 3mm collar

PYMU173 3.5mm platform, 3mm collar PYMU174 3.5mm platform, 4mm collar

PGMU173 4.5mm platform, 3mm collar







#### 30° Angled Multi-unit Abutments

TP3MU303 3.0mm platform, 3mm collar TP3MU304 3.0mm platform, 4mm collar PYMU304 3.5mm platform, 4mm collar

PGMU303 4.5mm platform, 3mm collarPGMU305 4.5mm platform, 5mm collar







#### Multi-unit Analog

PXMUAR Abutment Replica, Multi-unit

Use at lab to represent the Multi-unit/Implant assembly in the working cast. Not to use with implant-level impressions. Titanium Alloy



#### Multi-unit Angled Abutment Screw & Abutment Carrier

Use to deliver angled Multi-unit abutments to the surgical site. Titanium Alloy.

MUCA Angled Multi-unit Abutment Carrier



#### Multi-unit Hex Adapters for Straight Abutments

**PXMUHAM** Manual Multi-unit Hex Adapter Use to hand tighten straight Multi-unit abutments.

**PXMUHAH** Handpiece Multi-unit Hex Adapter

Use to torque straight Multi-unit abutments. Driven by latch-type handpiece. Do not exceed 30 Ncm.

**PXMUHAR** 4mm Square Multi-unit Hex Adapter

Use to torque straight Multi-unit abutments. Driven by 4mm square drive hand wrench, ratchet, or torque wrench. Do not exceed 30 Ncm.



#### Multi-unit Copings

#### **PXMUTC** Titanium

Use for fabricating acrylic temporary and final prosthesis. May be trimmed for height. Packaged with prosthetic screw (PXMUPSR). Titanium Alloy.

**PXMUPC** Plastic Custom Castable

Use for fabricating metal-reinforced acrylic prosthesis or bar overdentures. May be trimmed for height. Packaged with prosthetic screw (PXMUPSR). Acetal resin(Derlin® or Promulax®).



#### Multi-unit Impression Copings

**PXMUDC** Direct Pick-Up Coping, Multi-unit

Use to make a direct pick-up impression (open-tray) at the abutment level. Packaged with a prosthetic screw, long (PXMUPSL). Titanium alloy. Hand tighten.



### BIOHORIZONS SURGICAL KITS

#### Tapered Internal HD Surgery Kit

Includes the instrumentation required to place: Tapered Plus, Tapered 3.0, Tapered Tissue Level, Laser-Lok 3.0 & Tapered Internal including the 3.4mm diameter and 18mm lengths.

- includes Tapered HD instruments
- versatile, removable, hinged lid
- 40% smaller and 40% lighter than other kits
- easy to disassemble and assemble during cleaning
- implant staging area for implant vials during surgery
- use to place Tapered Plus, Tapered Internal, Tapered Tissue Level, Tapered 3.0 and Laser-Lok 3.0
- empty spare slots for other instrumentation such as stop drills or extended shank drills

Item #: TSK4000



#### Guided Surgery Kit

The BioHorizons guided surgery kit offers the precision and predictability of guided implant placement with a streamlined, single kit design. All components are color-coded to avoid the complexity seen with other systems while offering our customers predictable implant placement for optimal esthetic outcomes.

Item #: CGS4000



#### Tapered Short HD Drill

Tapered Short implants can be placed using minimal instrumentation due to a new stepped drill design which streamlines the surgical protocol. Tapered Short drills consist of a universal starter drill with intermediate and final drills that are diameter specific. The stepped starter and intermediate drills provide rapid osteotomy preparation and enhanced control during surgery. The optional final drill can be used depending on bone density and desired implant stability.

| TDS32HD | Tapered Short HD Starter Drill, 2.2/3.2mm           |
|---------|---|
| TDS37HD | Tapered Short HD 4.6 Intermediate Drill, 2.8/3.65mm |
| TDS41HD | Tapered Short HD 4.6 Final Drill, 4.15mm            |

**TDS47HD** Tapered Short HD 5.8 Intermediate Drill, 3.6/4.65mm

**TDS54HD** Tapered Short HD 5.8 Final Drill, 5.4mm



#### KITS & INSTRUMENTS

#### Prosthetic Instrumentation Kit

Includes:

.050 (1.25mm) Manual Hex Driver

.050 (1.25mm) Manual Hex Driver, Long

.050 (1.25mm) Handpiece Hex Driver

.050 (1.25mm) Handpiece Hex Driver, Long

.050 (1.25mm) 4mm Square Hex Driver

.050 (1.25mm) 4mm Square Hex Driver, Long

Hand Wrench

4mm Square Drive Extender

4mm Square Multi-unit Hex Adapter

12 Try-in Abutment Slots

8 Optional Instrument Slots

Space for Torque Wrenches & AS123 Hand Unit

Item #: PROS3000



#### Bone Fixation Screw Kit

Indicated for use in the fixation of cortical onlay grafts and meshes used in Guided Bone Regeneration. Also indicated for tenting of membranes used in Guided Bone Regeneration.

#### Kit includes:

- 24 Screws
- (6) 1.4 x 8mm Micro Screws
- (6) 1.4 x 10mm Micro Screws
- (6) 2.0 x 10mm Mini Screws
- (6) 2.0 x 12mm Mini Screws

Flexible Micro Mesh

Comprehensive Instrument Set

Screwdriver Body

Autoclavable Screw Block with Lid

Item #: 160-900

#### Micro Screw 1.4mm x 8mm (pack of 6)

Indicated for use in fixation of cortical onlay grafts and meshes used in Guided Bone Regeneration. Also indicated for tenting of membranes used in Guided Bone Regeneration.

Item #: BSV-14X8





#### AutoTac System Kit

The AutoTac System Kit is used to secure membranes with the push of a button.

#### AutoTac System Starter Kit includes:

- Delivery Handle
- Autoclavable Titanium Tack Cassette (pre-loaded with 21 Titanium Tacks)
- Forceps
- Sterilization Tray with cover

Item #: 400-270

#### AutoTac Titanium Tack Vial. pkg of 5

Refill vial of 5 Titanium Tacks for AutoTac Cassette

Item #: 400-240



#### Torque Wrenches

#### 30N-cm Torque Wrench

Break-style design used to deliver 30 Ncm of torque to prosthetic components.

Item #: 300-430



# BIOHORIZONS®

# Biologics



BioHorizons commitment to science, innovation and service has helped us become one of the fastest-growing companies in the dental industry.



#### highest quality standards

BioHorizons partners with national tissue banks who take extraordinary measures to ensure the recovery and processing of all tissue meets or exceeds the guidelines set forth by the AATB and FDA.



#### clinically proven

BioHorizons is committed to developing evidence-based and scientifically proven products. With over 300 publications, our comprehensive biologics product portfolio has proven results for a wide range of soft and hard tissue applications.



#### novel solutions

BioHorizons has a history of identifying and developing game-changing products to enhance practices' clinical outcomes. This commitment started in 2000 when BioHorizons introduced AlloDerm $^{\text{TM}}$ , the first soft tissue augmentation product in the dental industry.



#### partner for success

BioHorizons understands the importance of providing excellent service. Our global network of professional representatives and our highly trained customer care support team are well-equipped to meet the

## Allograft

#### MinerOss Cortical & Cancellous Chips

MinerOss Blend is a mixture of allograft mineralized cortical and cancellous chips. The cancellous and cortical blend forms an osteoconductive scaffold providing volume enhancement and effective site development for successful dental implant placement.

Particle size: 500 -1000 microns Available in: 0.5cc, 1.0cc & 2.5cc

Item #: MIN-C0.5INT Item #: MIN-C1.0INT Item #: MIN-C2.5INT



### Xenograft

#### MinerOss X Syringe

MinerOss X Syringe is cancellous particulate pre-loaded into a delivery syringe to assist with optimal placement at the defect site.

Particle size: 250 -1000 microns Available in: 0.25cc & 0.5cc

Item #: MIX-SYR0.25 Item #: MIX-SYR0.5



# Collagen Membrane

#### Mem-Lok Resorable Collagen Membrane

Mem-Lok Resorbable Collagen Membrane is a highly purified type I collagen to provide an increased resorption period and ensure optimal bone regeneration. Predictable resorption rate of 26–38 weeks. Cell occlusive membrane prevents soft tissue ingrowth. Macromolecular pore size allows vital nutrient transfer.

#### Available sizes:

15mmx20mm | RCM-ML1520 20mmx30mm | RCM-ML2030



### AlloDerm Select

#### MinerOss Cortical & Cancellous Chips

Since its introduction to dentistry in 1999, AlloDerm SELECT RTM Regenerative Tissue Matrix (RTM) has been a widely accepted acellular dermal matrix (ADM) for soft tissue applications. As demonstrated in preclinical studies, AlloDerm SELECTTM supports tissue regeneration by Allowing rapid revascularization and cell repopulation\*1,2—ultimately transitioning into host tissue for a strong repair. (Thickness ranges from 1.6–0.9mm.)

#### **Application Includes:**

- -Root coverage
- -Gingival augmentation
- -Soft tissue ridge augmentation
- -Soft tissue augmentation around implants

#### Available sizes :

AlloDerm SELECT™ 1 cm x 1 cm | RTU-0101 AlloDerm SELECT™ 1 cm x 2 cm | RTU-0102 AlloDerm SELECT™ 1 cm x 4 cm | RTU-0104 AlloDerm SELECT™ 2 cm x 4 cm | RTU-0204





# Link with us



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