

biologics product catalog



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BIOHORIZONS®

SCIENCE • INNOVATION • SERVICE

99.2%
average
implant
success
rate¹



BioHorizons is one of the fastest growing companies in the dental implant industry. Our comprehensive portfolio of dental implants and biologics products is evidence-based and scientifically-proven. From the launch of the External implant system (Maestro) in 1997, to the introduction of the Tapered Internal implant incorporating Laser-Lok® technology in 2007, BioHorizons has continued to provide clinicians unique products supported by university based research.

global
leader for
biologic
based
solutions



SCIENCE

BioHorizons uses science and innovation to create unique products with proven surgical and esthetic results.

INNOVATION

Our advanced implant technologies, biologics products and computer guided surgery software have made BioHorizons a leading dental implant company.

products
sold
in over
80
markets



SERVICE

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 needs of patients and clinicians.

MinerOss Cortical & Cancellous Chips

MinerOss is a mixture of allograft mineralized cortical and cancellous chips. The cortical component provides structural integrity and space-maintaining capability while the cancellous component offers a porous architecture that promotes osteoconduction and revascularization. (Particle size ranges from 600-1250 microns)

MO-C0.5	0.5cc Vial
MO-C1.0	1.0cc Vial
MO-C2.5	2.5cc Vial

Applications include²:

- Ridge and sinus augmentation
- Socket grafting
- Periodontal defects
- Grafting for implant placement
- Composite grafting with Grafton DBM



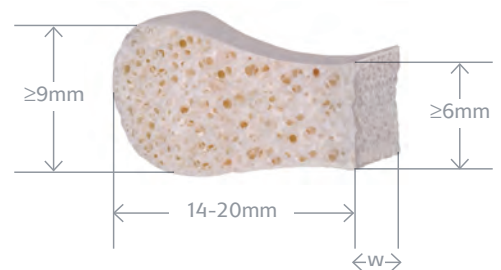
MinerOss Block Allograft

Achieving functional and esthetic results when placing a dental implant require a sufficient amount of quality bone. The MinerOss Block Allograft restores bone volume and provides an alternative to harvesting an autogenous block graft from the patient therefore eliminating the need for a second surgical procedure.

MO-00204	w = 10mm - 12mm
MO-00205	w = 13mm - 15mm

Applications include²:

- Bone remodeling
- Block grafting procedures
- Bony defects



Grafton DBM

The proven clinical success of Grafton DBM in multiple forms gives clinicians the ideal bone graft for the specific application. Cleared for a broader range of indications than any other DBM or commercially available BMP³, Grafton DBM gives you the ability to regenerate bone height and width.⁴

Grafton DBM Matrix Plugs (3D network of DBM fibers)

GR-MTX	8mm x 8mm x 10mm Plugs (pack of 5)
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Grafton DBM Putty in a Jar (Network of DBM fibers)

GR-PT.5	0.5cc Putty
GR-PT1	1.0cc Putty
GR-PT2.5	2.5cc Putty

Grafton DBM Putty in a Syringe (Network of DBM fibers)

GR-SYR.25	0.25cc Putty (pack of 2)
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Grafton DBM Flex Sheet (Pressed DBM fibers)

GR-FL1.5	1.5cm x 1.5cm Sheet
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Grafton DBM Gel in a Syringe

GR-GEL0.5	0.5cc Gel
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Grafton DBM Plus Paste in a Syringe

GR-PLUS1	1.0cc Plus Paste
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Matrix Plugs

Applications include²:

- Extraction socket grafting
- Ridge and sinus augmentation
- Bone augmentation around implants
- Bony defects
- Composite grafting with MinerOss
- Periodontal regeneration

DENTAL MEMBRANES

AlloDerm GBR® RTM

AlloDerm GBR® Regenerative Tissue Matrix (RTM) is manufactured utilizing the same proprietary process used for AlloDerm® Regenerative Tissue Matrix (RTM), however AlloDerm GBR® RTM is used as an effective barrier membrane that is remodeled into the patient's own tissue.⁵ (Thickness ranges from 0.5mm to 0.9mm)

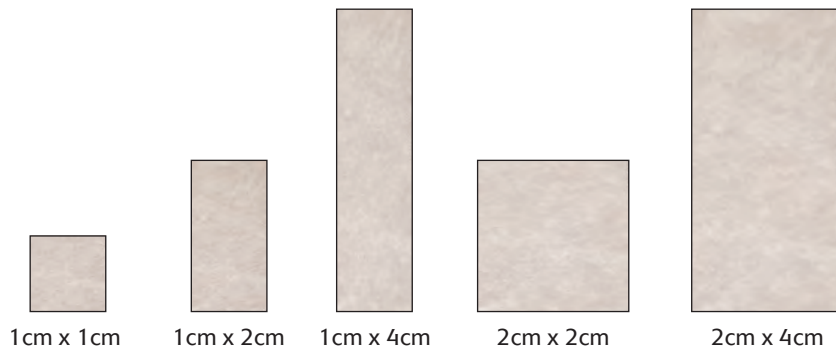
- AL-GBR-1x1** AlloDerm GBR 1 cm x 1 cm
- AL-GBR-1x2** AlloDerm GBR 1 cm x 2 cm
- AL-GBR-1x4** AlloDerm GBR 1 cm x 4 cm
- AL-GBR-2x2** AlloDerm GBR 2 cm x 2 cm
- AL-GBR-2x4** AlloDerm GBR 2 cm x 4 cm

Applications include²:

- Graft protection and containment
- Flap extender to achieve primary closure



AlloDerm GBR® RTM can be stored at room temperature.²



Mem-Lok

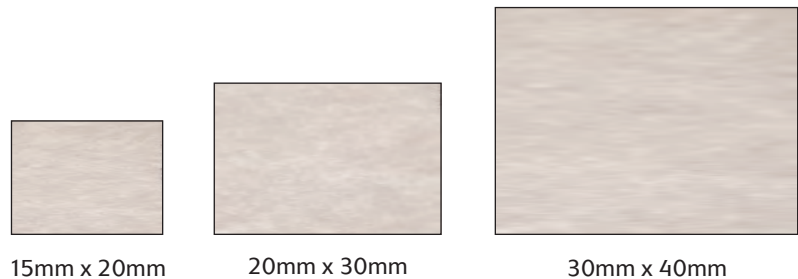
Mem-Lok is a Type I Collagen resorbable barrier membrane with a predictable resorption time of 26–38 weeks.⁶ The macromolecular pore size allows vital nutrient transfer while the cell occlusive membrane prevents soft tissue ingrowth.

- RCM-ML1520** Resorbable Collagen Membrane 15mm x 20mm
- RCM-ML2030** Resorbable Collagen Membrane 20mm x 30mm
- RCM-ML3040** Resorbable Collagen Membrane 30mm x 40mm



Applications include²:

- Extraction sockets
- Sinus augmentation – sinus window
- Ridge preservation
- Bone augmentation around implants
- Bony defects
- Peri-implant bone defect around implants



Examples are shown to scale.

Bone Fixation Screw Kit

Indicated for use in fixation of cortical onlay grafts and meshes and for membrane tenting used in Guided Bone Regeneration. Kit is compact and conveniently organized for efficient retrieval of instruments and screws. Includes cortical bone drills for both latch-type and friction-grip handpieces.



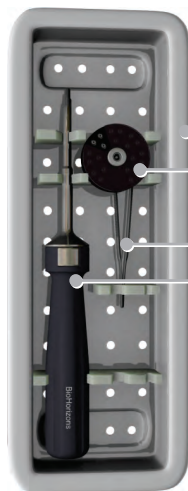
160-900

Bone Fixation Screw Kit includes:

- Screwdriver Body
- Flexible Micro Mesh
- Comprehensive Instrument Set
- Autoclavable Screw Block with Lid
- 24 Screws:
 - (6) 1.4mm x 8.0mm Micro Screws
 - (6) 1.4mm x 10.0mm Micro Screws
 - (6) 2.0mm x 10.0mm Mini Screws
 - (6) 2.0mm x 12.0mm Mini Screws

AutoTac System Kit

The AutoTac System Kit is used to secure membranes with the push of a button. The efficient “no touch” tack system with a convenient one-handed delivery mechanism effectively fixates membranes.



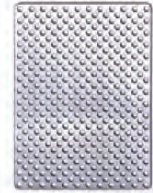
400-270

AutoTac System Kit includes:

- Sterilization Tray
- Autoclavable Tack Cassette (pre-loaded with 21 Titanium Tacks)
- Dressing Pliers, Utility Pick-up
- Delivery Handle

INSTRUMENTS

Bone Fixation Screw Kit Reorder Items



BSV-14X4	1.4mm x 4.0mm Micro Screw (pack of 6)
BSV-14X6	1.4mm x 6.0mm Micro Screw (pack of 6)
BSV-14X8	1.4mm x 8.0mm Micro Screw (pack of 6)
BSV-14X10	1.4mm x 10.0mm Micro Screw (pack of 6)
BSV-14X12	1.4mm x 12.0mm Micro Screw (pack of 6)
BSV-2X8	2.0mm x 8.0mm Mini Screw (pack of 6)
BSV-2X10	2.0mm x 10.0mm Mini Screw (pack of 6)
BSV-2X12	2.0mm x 12.0mm Mini Screw (pack of 6)
BSV-2X14	2.0mm x 14.0mm Mini Screw (pack of 6)
BS-MMESH	Micro Mesh for Guided Bone Regeneration <i>24.0mm x 35.0mm, 0.1mm thick</i>
BS-MCSSFT-HND	Micro Screwdriver Shaft for Screwdriver Body
BS-MCSSFT-ANG	Micro Screwdriver Shaft for latch-type handpieces
BS-1MCDB-ANG	1.0mm Micro Drill Bit for latch-type handpieces
BS-MNSSFT-HND	Mini Screwdriver Shaft for Screwdriver Body
BS-MNSSFT-ANG	Mini Screwdriver Shaft for latch-type handpieces
BS-16MMDB-ANG	1.6mm Mini Drill Bit for latch-type handpieces
BS-16X54.8MDB-STR	1.6 x 54.8mm Mini Drill Bit for friction-grip handpieces (Ø2.35mm)
BS-16X67MDB-STR	1.6 x 67.0mm Mini Drill Bit for friction-grip handpieces (Ø2.35mm)
BS-SDRIVER	Screwdriver Body

AutoTac System Kit Reorder Items



400-200	AutoTac Delivery Handle
400-248	Autoclavable Tack Cassette (tacks not included)
400-260	Titanium Tacks with Cassette (pack of 21)
400-240	Titanium Tack Vial (pack of 5)
HF-DPU17	Dressing Pliers, Utility Pick-up

Examples are not shown to scale.

Hu-Friedy Extraction Kit

BioHorizons distributes Hu-Friedy's comprehensive line of specialty instruments and ancillary products. Hu-Friedy's unsurpassed reputation and guarantee behind all their products make them the industry leader for instrumentation.



- Specialty Surgical Kits
- Ultrasonic Inserts
- Microsurgical Instruments
- IMS - Instrumentation Management System
- Scaling Instruments
- Perma Sharp Sutures
- Diagnostic
- Oral and Periodontal Surgery

Extraction Kit

HF-BLEXTKIT

HF-10-130-05	5 Scalpel Handle, Round, Straight	HF-FMD3	MD-3 Mead Forceps, Serrated
HF-ASPB1	B1 Byrd Self-Cleaning Aspirator	HF-FX13	13 European Style Serrated Forceps
HF-BF1X	1X Miller-Colburn Bone File	HF-HKRC	Kelly-Rankin Hemostat 6.5in, Curved
HF-CRM	University of Minnesota Cheek Retractor	HF-PH2	2 Hourigan Periosteal/Mod Woodson
HF-CRW2	Weider Cheek & Tongue Retractor, Large	HF-TP5042	Adson 1x2 Perma Sharp Tissue Pliers
HF-EL5C	Luxating Elevator 5mm, Curved	HF-NH5038	Crile-Wood Perma Sharp Needle Holder
HF-FAF150	Apical Forceps 150	HF-IM4141LEC4	8X11, 14-inst, Gray, LP, 1E, 4 posted clips



HF-10-130-05

5 Scalpel Handle, Round, Straight
Round handle allows finger tip control.



HF-ASPB1

B1 Byrd Self-Cleaning Aspirator
Used for precision suction at surgical sites.



HF-BF1X

1X Miller-Colburn Bone File
Used for final smoothing of bone.



HF-CRM

University of Minnesota Cheek Retractor
Used to hold mucoperiosteal flaps, cheeks, lips, and tongue away from the surgical area.



HF-CRW2

Weider Cheek & Tongue Retractor, Large
Used to hold mucoperiosteal flaps, cheeks, lips, and tongue away from the surgical area.



HF-EL5C

Luxating Elevator 5mm, Curved
Used to cut periodontal ligaments by rocking and cutting which reduces pressure on adjacent teeth.



HF-FAF150

Apical Forceps 150
Thin, tapered and sharp parallel beaks improve root contact, and longitudinal serrations provide additional grip.



HF-FMD3

MD-3 Mead Forceps, Serrated
Used to remove lower incisors and roots from alveolar bone.

INSTRUMENTS



HF-FX13

13 European Style Serrated Forceps

Used to remove lower premolars from alveolar bone.



HF-PH2

2 Hourigan Periosteal/Mod Woodson

For reflecting and retracting the mucoperiosteum after incisions of the gingival tissue.



HF-NH5038

Crile-Wood Perma Sharp Needle Holder

Used to grasp and guide the needle when suturing.



HF-HKRC

Kelly-Rankin Hemostat 6.5in, Curved

A multipurpose instrument used to clamp off blood vessels, remove small root tips, and grasp loose objects.



HF-TP5042

Adson 1x2 Perma Sharp Tissue Pliers

Used to grasp and stabilize soft tissue flaps during suturing.



HF-SYBG

Syringe Bone Grafting 7mm

Introduces graft material into the recipient site. 7mm diameter tube for injecting large amounts of bone material. Curved end facilitates introduction of the graft in difficult to reach areas.



HF-SRM10

Sinus Graft Retractor Misch 10

Permits easy access and reflection of the mucosal flap along the zygomatic arch to expose the sinus window. 10mm flare.



HF-SGRT

Sinus Retractor

Permits easy access and reflection of the mucosal flap along the zygomatic arch to expose the sinus window.



HF-SRM15

Sinus Graft Retractor Misch 15

Permits easy access and reflection of the mucosal flap along the zygomatic arch to expose the sinus window. 15mm flare.

Hu-Friedy Extraction Kit

Sinus / Bone Grafting Instruments

Sinus / Bone Grafting Instruments



HF-SINC1

Sinus Curette 1

Used to separate the sinus membrane from the inner wall of the antrum.



HF-SINC2

Sinus Curette 2

Used to separate the sinus membrane from the inner wall of the antrum.



HF-MAL1

1 Mead Immunity Mallet

Used with a chisel to split teeth and/or remove bone.



HF-FRCE

Freer Curved Elevator

Used to harvest bone from the symphysis or ramus for onlay grafts. The angulation of the instrument head and the single bevel edge ensures that the bone is removed safely without damaging the underlying donor site.



HF-BMIL

Bone Mill

Hand-held bone mill used to create particulate bone from harvested autogenous bone.



HF-IMPBC

Implant Bone Crusher

Used to reduce particle size of cortical bone grafts. Creates approximately 2mm particle size and provides excellent leverage. Overall length is 10 inches.



HF-BPACK

Bone Packer DE, 6-8mm

Inserted through the sinus window to pack graft material into recipient site. Also used to pack bone for common grafting procedures such as extraction sockets.



HF-RASP

Bone Rasp

Sharp ends used to score the floor of the sinus cavity or host bone to promote osteogenesis through a regional acceleratory phenomenon (RAP) response.

Sinus / Bone Grafting Instruments



HF-BONT

Bone Tamper, 7mm

Flat-ended metal punch with a 7mm diameter serrated tip. Used to gently separate the lateral sinus window from the surrounding bone.



HF-RKSN

Short Nose, Rongeurs

Low-profile design for widening the sinus opening when the window to the sinus is not large enough for proper membrane elevation. The innovative tip design also collects bone for future grafting.



HF-RBEY

Beyer Rongeurs

Used for trimming and recontouring alveolar and cortical bone. Also used to harvest bone from donor sites. The double action mechanism permits greater force to be exerted at the tip with minimal force at the handles.



HF-IMP6522

Palti Bone Graft Scoop

Used for mixing and placement of bone graft materials. Large end of scoop is 10mm x 25mm. Small end is 5mm x 21mm.



HF-PMPI

Membrane Placement Instrument

Combination of pointed and curved narrow placement design is ideal for use with periodontal membranes. The pointed end allows for membrane manipulation. The curved end is used for membrane positioning in and around flaps.



HF-CBBC

Cortical Bone Block Clamp

The cortical bone clamp with slotted tip permits easy placement of fixation screws through a slot and into a pre-drilled cortical graft. Locks to hold in place.

122-110

2.0mm Lindemann Bone Cutter

Side-cutting drill used to correct angulation and location of osteotomy preparations. Use with latch-type contra-angle handpiece.



122-108

#8 Surgical Bur

Stainless steel bur used for opening a sinus window. 18mm shank, friction-grip (1.6mm).



Trephines

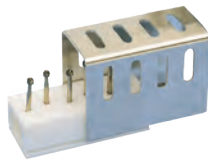
Dimensions reflect internal diameter of trephine. Bur cuts to a maximum depth of 9.8mm with depth markings spaced in 2mm increments. Trephines may be purchased as a kit or individually.



HF-TREBS

Trephine Kit

Set includes all 6 trephines and autoclavable bur cushion.



HF-IMS-1372SH

IMS 1/2 Bur Cushion - Short Lid

A hollow, rectangular, silicone base with a stainless steel lid that is designed to hold burs in place during cleaning and sterilization.



**2mm Trephine
HF-TRE020M**



**4mm Trephine
HF-TRE040M**



**6mm Trephine
HF-TRE060M**



**8mm Trephine
HF-TRE080M**



**10mm Trephine
HF-TRE100M**



**12mm Trephine
HF-TRE120M**

Periotomes



OTA-400

Periotomes Set of 4

Available in 4 blade designs to facilitate atraumatic tooth extractions. Typically perform 15-20 extractions before breaking; whereupon they must be discarded and replaced. Purchased as a complete set (OTA-400) or individually. Sterilization Tray (400-050) is purchased separately.

OTA-401

Periotome Thin (Gold)

OTA-402

Periotome Thick (Blue)

OTA-403

Periotome Angled (Gray)

OTA-404

Periotome Angled (Green)

400-050

Sterilization Tray

Osteotomes

Offset geometry provides access into the posterior regions of the mouth. Set of 4 osteotomes includes sterilization tray (400-050).



SI-OO2	2.0mm Offset Osteotome
SI-OO3	3.0mm Offset Osteotome
SI-OO3.3	3.3mm Offset Osteotome
SI-OO4	4.0mm Offset Osteotome
SI-OOS	Offset Osteotomes (set of 4)

Implant Straight Site Dilators

Site dilators radially compress bone and increase bone density at the implant / bone interface. Set of six dilators includes sterilization tray (400-050).



SI-SD2	2.0mm Straight Site Dilator
SI-SD2.5	2.5mm Straight Site Dilator
SI-SD3	3.0mm Straight Site Dilator
SI-SD3.4	3.4mm Straight Site Dilator
SI-SD4	4.0mm Straight Site Dilator
SI-SD4.4	4.4mm Straight Site Dilator
SI-SDS	Straight Site Dilators (set of 6)

Implant Offset Site Dilators

Offset Site dilators radially compress bone and increase bone density at the implant / bone interface. Provides access to the posterior regions of the mouth. Set of seven dilators includes sterilization tray (400-050).



SI-OSD2	2.0mm Offset Site Dilator
SI-OSD2.5	2.5mm Offset Site Dilator
SI-OSD3	3.0mm Offset Site Dilator
SI-OSD3.4	3.4mm Offset Site Dilator
SI-OSD4	4.0mm Offset Site Dilator
SI-OSD4.4	4.4mm Offset Site Dilator
SI-OSD5.2	5.2mm Offset Site Dilator
SI-OSDS	Offset Site Dilators (set of 7)

AlloDerm® RTM

AlloDerm® Regenerative Tissue Matrix (RTM) is a proven alternative to autologous connective tissue for multiple soft tissue augmentation applications. Multiple randomized clinical trials have indicated that there is no statistically recognizable difference between AlloDerm® RTM and connective tissue in terms of recession coverage.^{7,8} (Thickness ranges from 0.9mm to 1.6mm)

Applications include²:

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

ALLODERM 1x1	AlloDerm 1cm x 1cm
ALLODERM 1x2	AlloDerm 1cm x 2cm
ALLODERM 1x4	AlloDerm 1cm x 4cm
ALLODERM 2x4	AlloDerm 2cm x 4cm



AlloDerm® RTM can be stored at room temperature².



2cm x 4cm



1cm x 4cm



1cm x 2cm

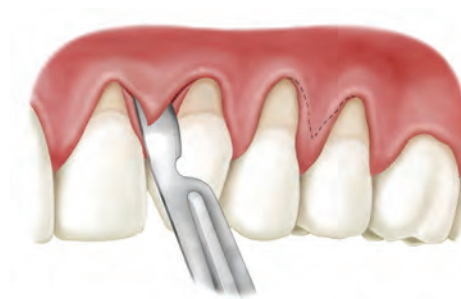


1cm x 1cm

Examples are shown to scale.



A typical Miller Class I or II recession



Pouch preparation begins with papillary incisions



AlloDerm® RTM is inserted under the intact papilla



Post operatively, an increase in root coverage and attached gingiva are observed⁹

Allen Oral Plastic Surgery Kit

HF-ALKIT2

HF-SYRCW	Syringe Anesthetic Aspirator CW Style, 1.8ml	HF-NHM-5026R	Micro Castro Perma Sharp 7"
HF-10-130-05	5 Scalpel Handle, Round, Straight	HF-S5080	GF Perma Sharp Scissors, Straight
HF-PCP116	Color-Coded SE Probe (3-6-8-11)	HF-KO12KPO3A6	1/2 Allen Orban Knife
HF-MIR5/3	#5 FS CS Mouth Mirror, 3 pack	HF-PPAEL	Periosteal, Allen Elevator
HF-MH6	Cone Socket Mirror Handle (3 per kit)	HF-PPAELA	Periosteal, Allen Elevator Anterior
HF-SYG7/86	YG7/8 Younger-Good (2 per kit)	HF-KPA	Allen End-Cutting Intrasulcular Knife
HF-SPM20	Micro Suture Pliers	HF-IM4169	16-Instrument Signature Series Cassette w/Accessory Area, Green
HF-8-905DD	Hu-Friedy Precision Dressing Forceps, DD		



HF-SYRCW

Syringe Anesthetic Aspirator CW Style, 1.8ml

Aspirating anesthetic syringe.



HF-PCP116

Color-Coded SE Probe (3-6-8-11)

3,6,8 and 11 mm probe with ergonomic handle.



HF-SYG7/86

YG7/8 Younger-Good (2 per kit)

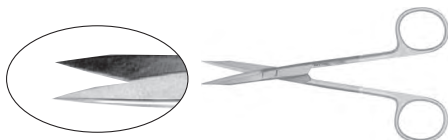
Used for root preparation and papilla elevation.



HF-8-905DD

Hu-Friedy Precision Dressing Forceps, DD

Small diameter jaw for assistant in capture of needles.



HF-S5080

GF Perma Sharp Scissors, Straight

Used for cutting 6-0 and 7-0 sutures.



HF-10-130-05

5 Scalpel Handle, Round, Straight

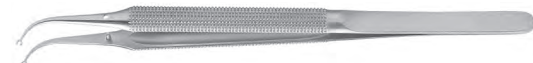
Round handle allows finger tip control.



HF-MIR5/3

#5 FS CS Mouth Mirror, 3 pack

Mirror with ergonomic handle for cheek and tongue retraction.



HF-SPM20

Micro Suture Pliers

Allows better visibility of tissue margins for precise suture placement.



HF-NHM-5026R

Micro Castro Perma Sharp 7"

Small diameter jaw for 6-0 and 7-0 sutures.



HF-KO12KPO3A6

1/2 Allen Orban Knife

Used for sharp dissection in pouch and tunnel procedures.

Periodontal Instrument Kits



HF-PPAEL

Periosteal, Allen Elevator

Used for blunt dissection in pouch and tunnel procedures.



HF-PPAELA

Periosteal, Allen Elevator Anterior

Used for blunt dissection in anterior sites.



HF-KPA

Allen End-Cutting Intrasulcular Knife

Used for intrasulcular incisions.

Allen / Johnston Suture Removal Kit

HF-AJSRKIT

HF-EXD66	6/3 DE Explorer	HF-DPU17	Dressing Pliers, Utility Pick-Up
HF-EXD56	5 DE Explorer	HF-S31	31 Castroviejo Scissors
HF-NHM-5027	Micro Curved Castroviejo Needle Holder	HF-IM5056E2	IMS 10 Instrument Signature Series Cassette



HF-EXD66

6/3 DE Explorer

Provides additional angulation for locating sutures that lie within the sulcus.



HF-EXD56

5 DE Explorer

Used to lift suture for cutting prior to removal.



HF-NHM-5027

Micro Curved Castroviejo Needle Holder

Provides firm grip on 6-0 and 7-0 suture for removal under tension.



HF-DPU17

Dressing Pliers, Utility Pick-Up

Excellent for grasping and lifting knot to cut suture ends or remove sutures.



HF-S31

31 Castroviejo Scissors

Allows precision cutting of 6-0 and 7-0 sutures in difficult to reach areas.

INSTRUMENTS

Periodontal Instruments



HF-TP43

43 Adson-Brown Tissue Pliers

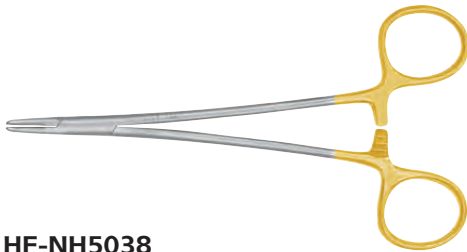
Used to grasp tissue flaps during grafting procedures.



HF-SP20

20 Corn Suture Pliers

Corn suture pliers can be used to gently grasp the graft during harvesting and placement. The broad, flat-tip design minimizes trauma and prevents tissue damage.



HF-NH5038

Crile-Wood Perma Sharp Needle Holder

Provides controlled grip pressure and smooth release.



HF-S18SC

Iris Super Cut Scissors, Curved

Supercut scissors are ideal for gripping tissue and cutting interproximally.



HF-S17SC

Iris Super Cut Scissors, Straight

Supercut scissors are ideal for gripping tissue and cutting interproximally.



HF-10-130-03

3 Scalpel Handle

Flat, Bard Parker style with metric ruler.



HF-PBQ6

Benque Periosteal

#6 Satin Steel Handle

A thin periosteal elevator used to assist suturing during grafting. Allows you to place a separation between the flap and the graft. The suture stops at the instrument without penetrating the graft.



HF-CM2/4

2/4 Molt DE Curette

For curettage, periosteal reflection, cyst removal and debridement of tooth socket.

Periodontal Instruments



HF-PP5504

Misch R/L Periosteal

Ideal for delicate tissue retraction. The spear-shaped end is used to initiate the flap by reflection of the papilla in a sulcular incision.



HF-CM4L

4 Molt SE Curette Left Modified

For tissue reflection in edentulous areas.



HF-CM4R

4 Molt SE Curette Right Modified

For tissue reflection in edentulous areas.



HF-CLG

Crown Lengthening Gauge - ResinEight

Used to achieve the proper clinical and biologic crown length and also to measure the ideal position of the interdental papilla.



HF-PROG

Proportion Gauge - ResinEight

Used to measure the length and width of maxillary anterior teeth and determine tooth proportion.



HF-SOUNDG

Sounding Gauge - ResinEight

Provides analysis of the osseous crest location both mid-facially and interdentally. Also used to measure the bone level before reflecting the flap.



HF-IR

Implantology Retractor

The anatomically shaped handle permits fatigue-free operation. The angulation of the working end facilitates easier retraction and better viewing of the surgical site over conventional retractors. Great for fully edentulous implant cases.

HU-FRIEDY PERMA SHARP SUTURES

Dr. Edward P. Allen's Recommended Sutures

For use in oral plastic surgery procedures



10.7mm
3/8 Circle Premium Reverse Cut

HF-PSN1816C

Perma Sharp Suture

6-0 Chromic Gut 18", C-1 Premium.
Finer point geometry for smoother penetration.



10.7mm
3/8 Circle Premium Reverse Cut

HF-PSN8697P

Perma Sharp Suture

6-0 Polypropylene 18", C-1 Premium.
Finer point geometry for smoother penetration.



10.7mm
3/8 Circle Premium Reverse Cut

HF-PSN8696P

Perma Sharp Suture

7-0 Polypropylene 18", C-1 Premium.
This suture is used to secure coronally positioned flap / pouch over the graft.



12mm
3/8 Circle Reverse Cut

HF-PSN8384P

Perma Sharp Suture

6-0 Polypropylene 18", C-17.
Finer point geometry for smoother penetration.

Dr. Carl E. Misch's Recommended Sutures

For use in implant and bone graft related procedures



23mm
1/2 Circle Reverse Cut

HF-PSN460V

Perma Sharp Suture

3-0 Violet PGA Suture. 27", C-9.
Finer point geometry for smoother penetration.



18.7mm
3/8 Circle Reverse Cut

HF-PSN392V

Perma Sharp Suture

4-0 Violet PGA Suture. 18", C-6.
Finer point geometry for smoother penetration.

W&H Implantmed 915

Maximum motor speed is 40,000 rpm. The kit includes the WI-75 E/KM 20:1 handpiece, bur testing gauge, (3) disposable irrigation assemblies, and service oil (shipped separately).



WH-915

W&H Implantmed 915 Starter Kit

Re-order items:

WH-ITC915	WH-915 One-piece Disposable Irrigation Set (6 pack)
WH-915MC	Implantmed 915 Motor Cable - 1.8 meter
WH-IC	Irrigation Clip for WI-75MB Handpiece

Universal & Legacy Re-order Items

Ref. Code	Description	Motor Compatibility
WH-ST (10 PK)	Green Single-Use Spray Tubes (10 pack)	All W&H Motors
WH-CLP (10 PK)	Set of Spray Tube Clamps (10 pack)	Elcomed 100 & 200
WH-100PTWC	Pump Tube with Connectors (65mm)	Elcomed 100
WH-100RPT (5 PK)	Replacement Pump Tubes (65mm) (5 pack)	Elcomed 100
WH-100MC	Elcomed 100 Motor Cable -1.8 meter	Elcomed 100
WH-110MC	Implantmed 110 Motor Cable -1.8 meter	Implantmed 110
WH-110CLP (5 PK)	Set of Spray Tube Clamps (5 pack)	Implantmed 110 & 915
WH-110PTWC	Pump Tube (85mm) with Connectors	Implantmed 110 & 915
WH-110RPT	Replacement Pump Tubes (85mm) (3 pack)	Implantmed 110 & 915
WH-110ISAWRC	Irrigation Spike Assembly with Roller Clamp	Implantmed 110 & 915
WH-110RC	Flow Regulating Roller Clamp	Implantmed 110 & 915
WH-ISA	Irrigation Spike Assembly (autoclavable)	All W&H Motors
WH-ITWOS	Irrigation Tubing w/o Spike (autoclavable)	All W&H Motors
WH-MD400	MD-400 Service Oil-F1	All W&H Motors
WH-OSC	Oil Spray Cap	All W&H Motors
WH-SP	Sterilization Plug for Motor Cable	All W&H Motors



IMPORTANT NOTE: W&H motors and handpieces are distinguished by their precision craftsmanship and reliability and are covered by a 1-year manufacturer's warranty. Instructions for required cleaning and maintenance are outlined in each product's user manual, and adherence to these procedures is essential for proper function and longevity of the products. BioHorizons assumes no liability for the failure of, or damage to, motors and handpieces that are not properly maintained or used contrary to the instructions for use. Please contact your Product Support Specialist or Customer Care if you need additional information.

W&H Elcomed Surgical Handpieces

WS-75

W&H 20:1 Contra-angle Handpiece WS-75 E/KM

Surgical Contra-angle 20:1 handpiece with Hexagon Chucking System and removable spray clip. Equipped with internal cooling system and external spray. Contra-angled shank for $\varnothing 2.35\text{mm}$ surgical burs and cutters. Can be completely dismantled for comprehensive hygiene.



WI-75MB

W&H 20:1 Contra-angle Handpiece WI-75 E/KM

Implantology Contra-angle 20:1 handpiece with Hexagon Chucking System and removable spray clip. Equipped with internal cooling system and external spray. Contra-angled shank for $\varnothing 2.35\text{mm}$ surgical burs and cutters.



WS-92

W&H 1:2.7 Contra-angle Speed Increasing Handpiece

Contra-angle 1:2.7 handpiece with external triple spray port. Friction-grip shank for $\varnothing 1.6\text{mm}$ surgical burs and cutters.



S-11

W&H 1:1 Straight Surgical Handpiece

Straight Surgical 1:1 handpiece with external spray and lever chuck (drive speed max. 30,000 rpm). Uses $\varnothing 2.35\text{mm}$, 45mm long surgical burs and cutters.



S-12

W&H 1:2 Contra-angle Surgical Handpiece, slim

Contra-angle 1:2 handpiece with external spray and lever chuck (drive speed max. 40,000 rpm). Uses $\varnothing 2.35\text{mm}$, 70mm long surgical burs and cutters.



Bur Testing Gauge

WH-BTG

Bur Testing Gauge

Used to verify the condition of latch-type burs. Burs in proper condition will fit into larger diameter hole, but will not fit into the smaller hole (marked red). Burs that fail either of these criteria are unfit for use, and may cause damage to the handpiece if used.



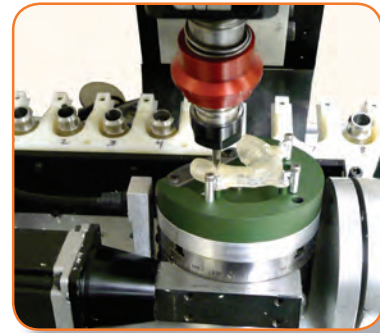
Virtual Implant Placement (VIP)

VIP treatment planning software was developed by a team of clinicians with the goal of providing a user friendly, virtual treatment planning solution that reduces clinical challenges and enhances postoperative outcomes both clinically and esthetically.

- Interactive 2D and 3D treatment planning
- Open platform implant compatibility
- Includes DICOM converter for immediate file conversion
- Practice building tool providing improved communication between clinician and patient
- Increased communication through VIP case viewer (download from BioHorizons website)



VIP virtual surgical plan transfers to Compu-Guide surgical template for implant position and orientation



VIP2.1 VIP 2.1 Software

Interactive 2D and 3D treatment planning software. Includes (2) software licenses.



L0303 VIP Catalog & Surgical Manual

References

1. Please see BioHorizons literature ML0130.
2. Reference manufacturer's Instructions for Use (IFU) package insert.
3. Grafton DBM forms and Grafton Plus DBM Paste are FDA 510(k) cleared for use as a bone void filler, bone graft extender and bone graft substitute.
4. Histologic Analysis of Implant Sites after Grafting with Demineralized Bone matrix putty and sheets. Callan, D.P, Salked, S.L., Scarborough, N.L. Implant Dent. 2009;9(1):36-42.
5. Acellular Dermal Matrix Graft as a Membrane for Guided Bone Regeneration: A Case Report. AB Novaes, SL Souza. Implant Dent. 2001;10(3):192-195.
6. Prediction of in vivo stability of a resorbable, reconstituted Type I collagen membrane by in vitro methods. Ulreich JB, Zuclich G, Lin HB, Li ST. 2000 Society World Biomaterials Congress Transactions, Sixth World Biomaterials Congress Transactions.
7. Acellular dermal matrix for mucogingival surgery: a meta-analysis. Gapski R, Parks CA, Wang HL. J Periodontol. 2005 Nov;76(11):1814-22.
8. A 2-year Follow-up of Root Coverage Using Subpedicle Acellular Dermal Matrix Allografts and Subepithelial Connective Tissue Autografts. Hirsch A, Goldstein M, Goultchin J, Boyan BD, Schwartz Z. J Periodontol. 2005 Aug;76(8):1323-28.
9. Please see BioHorizons literature LD101.

WARRANTY INFORMATION & PRODUCT TERMS

BioHorizons No Exceptions Lifetime Warranty on Implants and Prosthetics:

All implants and prosthetic components include a No Exceptions Lifetime Warranty. Implant or prosthetic components will be replaced if removal of that product is due to failure (excluding normal wear to overdenture attachments).

Additional Warranties:

BioHorizons warranties instruments, surgical drills, taps, torque wrenches and Virtual Implant Placement (VIP) treatment planning software.

(1) Surgical Drills and Taps: Surgical drills and taps include a warranty period of ninety (90) days from the date of initial invoice. Surgical instruments should be replaced when they become worn, dull, corroded or in any way compromised. Surgical drills should be replaced after 12 to 20 osteotomies.*

(2) Instruments: The BioHorizons manufactured instrument warranty extends for a period of one (1) year from the date of initial invoice. Instruments includes drivers, sinus lift components, implant site dilators and BioHorizons tools used in the placement or restoration of BioHorizons implants.

(3) VIP treatment planning software: VIP treatment planning software warranty extends for a period of ninety (90) days from the date of initial invoice. The warranty requires that VIP be used according to the minimum system requirements.

(4) Compu-Guide surgical templates: Compu-Guide surgical templates are distributed without making any modifications to the submitted Compu-Guide Prescription Form and VIP treatment plan ("as is"). BioHorizons does not make any warranties expressed or implied as it relates to surgical templates.

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Grafton® DBM, MinerOss®, Mem-Lok® and Laddec® must be returned within ten (10) days of initial invoice. AlloDerm® Regenerative Tissue Matrix and AlloDerm GBR® Regenerative Tissue Matrix may not be returned or exchanged for credit due to storage requirement guidelines.

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BioHorizons products may only be used in conjunction with the associated original components and instruments according to the Instructions for Use (IFU). Use of any non-BioHorizons products in conjunction with BioHorizons products will void any warranty or any other obligation, expressed or implied.

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*Heat production by 3 implant drill systems after repeated drilling and sterilization.

Chacon GE, Bower DL, Larsen PE, McGlumphy EA, Beck FM. *J OralMaxillofac Surg.* 2006 Feb;64(2):265-9.

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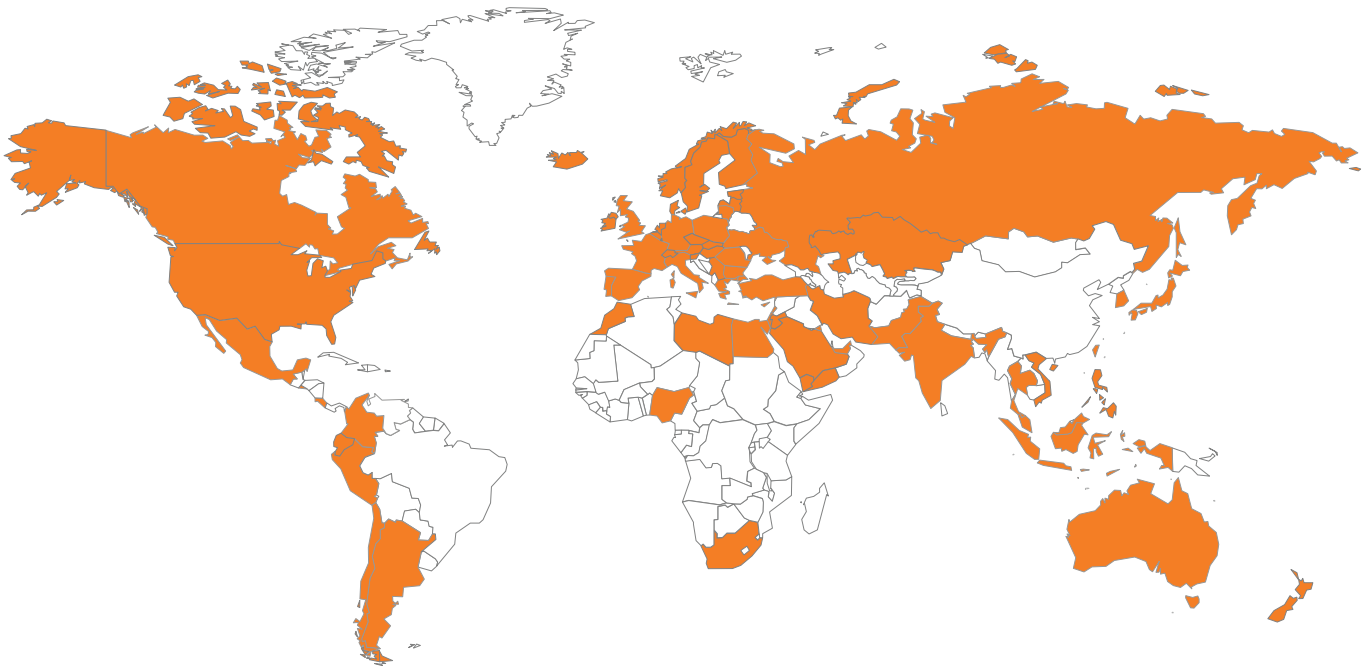
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