

MEDLINE**UNITE**® Foot & Ankle System

Intelligently designed implants and instrumentation.



Strength in numbers.

anatomically designed, indication-specific titanium plates

Engineered for precision performance.

We're perfectionists in the name of precision. It's that meticulous attention to detail that makes all the difference, elevating your surgical performance at every step. Driven by the specialized needs of foot and ankle surgeons, Medline UNITE puts innovation into action.

40+

indications for reconstructive foot and ankle surgery

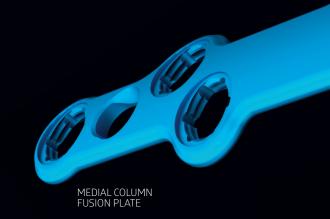


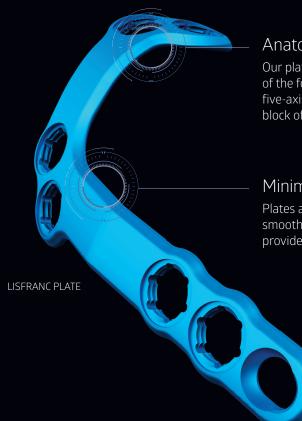
unique screw families

procedure-specific trays with colorcoded implants and instruments intuitively arranged in order of use for maximum surgical speed and efficiency, and reduced sterilization and processing costs

Intelligently designed.

The Medline UNITE Foot and Ankle System is based on our single-minded philosophy of Intelligent Design: To develop clinically advanced products with optimal functionality that are intuitive to use.





Anatomically contoured

Our plates are contoured to the unique anatomical structures of the foot for a closer fit. Machined using state-of-the-art, five-axis CNC technology, every plate is milled from a single block of titanium alloy to ensure greater strength.

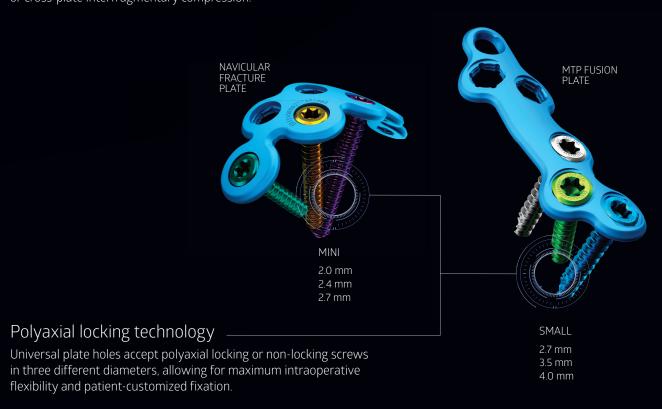
Minimal profile

Plates are fabricated with a low profile and exceptionally smooth, beveled edge to minimize soft tissue irritation and provide greater patient comfort.

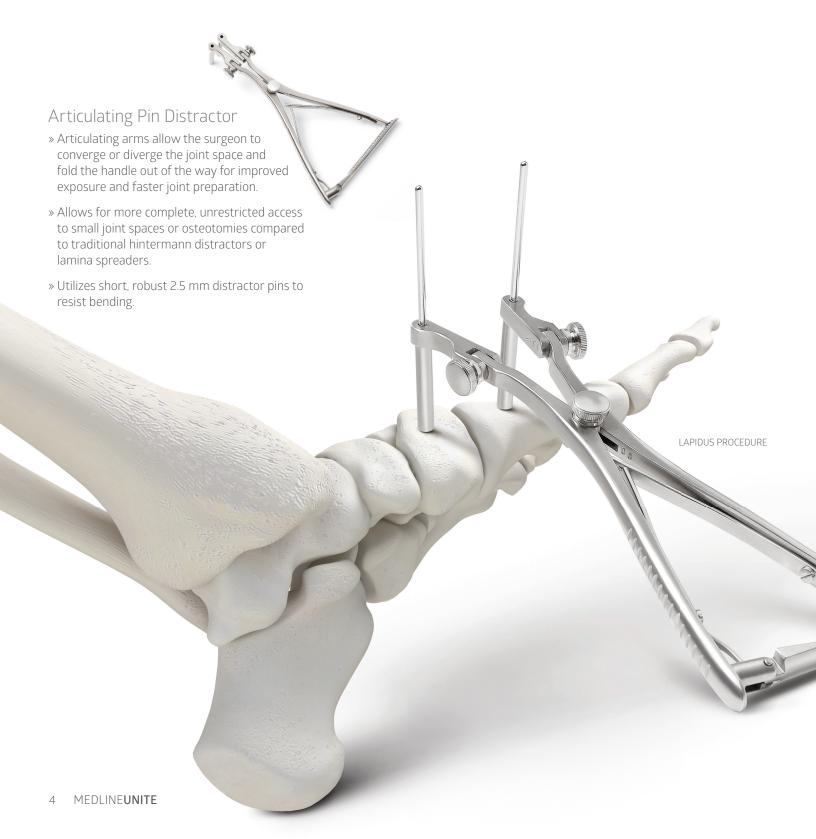


Dual-mode compression technology

Our advanced compression technology gives the surgeon the freedom to select either traditional dynamic compression or cross-plate interfragmentary compression.



Cutting-edge instrumentation Advanced joint prep.







Small Joint Arthrotome

- » Short, curved, compact design enables greater control and easier access to small joints compared to longer traditional osteotomes.
- » Dual-cutting feature allows the surgeon to push or pull to scrape and remove cartilage more quickly and effectively.
- » AO quick connect to fit into the silicone-grip screwdriver handle for greater comfort and ergonomic use. It also ensures easy replacement and assured sharpness.



- » 2.0 mm fluted cutting feature effectively removes bone, promotes bleeding at the joint surface, and reduces the likelihood of thermal necrosis compared to a k-wire.1
- » Short design with beaded stop helps deliver more controlled joint fenestration compared to a longer standard drill bit.
- » Smooth proximal shaft fits into a standard wire driver.

Cutting-edge instrumentation

Reduction instruments and guides.

Fibula Lengthening Distractor

When standard reduction instrumentation and techniques prove insufficient to elongate a shortened fibula, the Fibula Lengthening Distractor can help restore proper length, similar to a push-pull technique. The distractor's unique locking tower arms thread into the plate for greater control during use.

DrillGauge™ 3-in-1 System

Designed to drive speed, efficiency, and accuracy, the DrillGauge system features a solid drill bit connected to a spring-loaded drill guide that's engineered with depth-gauge functionality.

This 3-in-1 instrument system allows the surgeon to guide the drill into the center of the desired plate hole, up to 15 degrees off-axis, and measure the appropriate screw length with a simple one-handed technique.

AVAILABLE SIZES

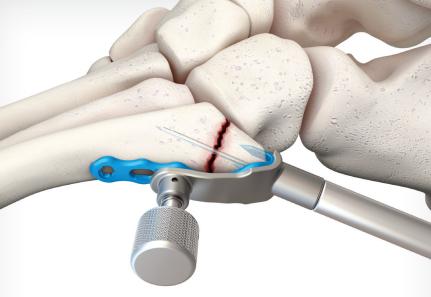
2.0 mm (blue)

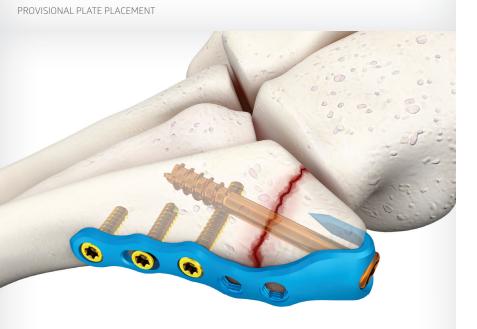
For use with 2.7 mm locking and non-locking, or 4.0 mm cancellous screws.

2.8 mm (green)

For use with 3.5 mm locking and non-locking screws.







5th Metatarsal Hook Plate Technique

Aids in proper plate alignment, fracture reduction, and final plate fixation.

Reduction and Plate Alignment

- 1 | Use the distal end of the hook plate guide as a template to determine the proper plate alignment and positioning and secure the guide to the metatarsal using a temporary fixation pin.
- 2 | Place a 1.4 mm guidewire through the center wire hole of the guide for provisional fixation of the fragment and to determine trajetory for the 4.0 mm cannulated hook plate screw.
- 3 | Pre-drill for each of the plate's hooks using the flexible 1.4 mm nitinol drill pin.



HOOK PLATE GUIDE

Provisional Plate Placement

- 1 | Nest the desired plate within the inserter and secure it by threading the spring-loaded knob into the plate.
- 2 | Slide the inserter/plate construct over the guidewire to ensure that the hooks penetrate the pre-drilled holes.
- 3 | Slide the hook plate impactor over the guidewire and into the hook plate inserter and gently impact using a mallet, taking care not to displace the fragment.

HOOK PLATE INSERTER

Final Construct

- 1| After removing the hook plate guide and securing the plate with a temporary fixation pin, measure the hook plate screw length using the cannulated depth gauge.
- 2 | Pre-drill if desired, and insert the 4.0 mm hook plate screw to compress the fracture.
- 3 | Place a non-locking screw in the compression slot and finish the construct using locking screws.

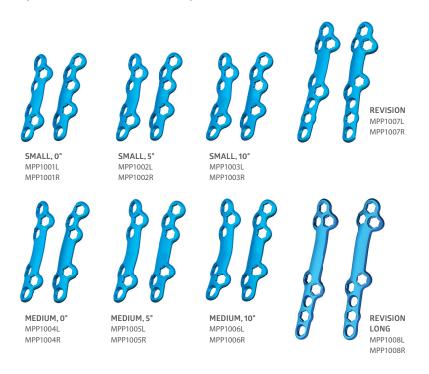


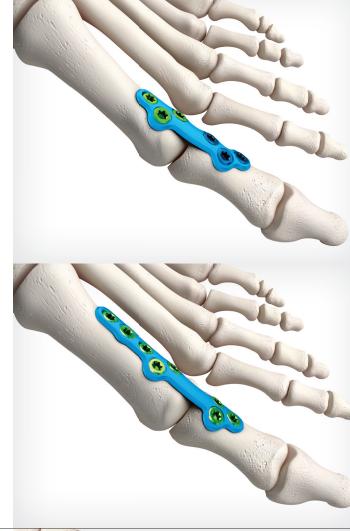
Foot and ankle plate indications

Our system is designed to address the complexity of the foot and ankle anatomy with intelligent solutions for every major indication.

HALLUX RIGIDUS | MTP FUSION

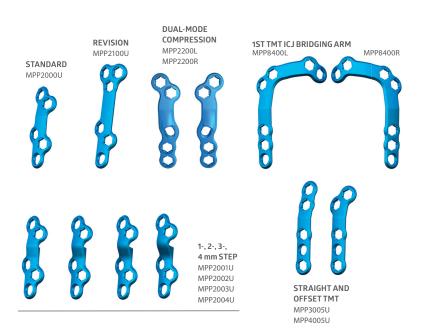
MTP Fusion plates are designed with a narrower, elongated distal cluster for reduced prominence over the proximal phalanx and easier soft tissue closure. Plates are available in various dorsiflexion angle and length options to address variations in patient size as well as revision cases.

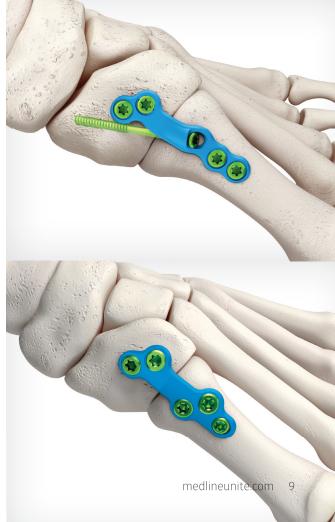




HALLUX VALGUS | LAPIDUS

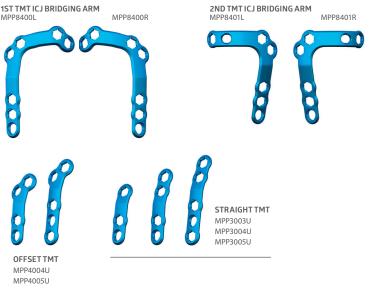
The extensive Lapidus plate family offers a number of unique implant options to address various scenarios encountered during 1st TMT joint arthrodesis. Available options include primary plates with or without the dual-mode compression feature, graft-spanning revision, intercuneiform joint-bridging and step-off plates.





LISFRANC | TMT FUSION

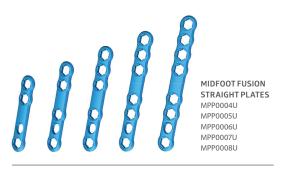
Unique deconstructed U-style Lisfranc plates address variations in injury pattern and patient anatomy. The non-constraining designs provide the intraoperative flexibility to choose the most appropriate construct for isolated TMT joints.



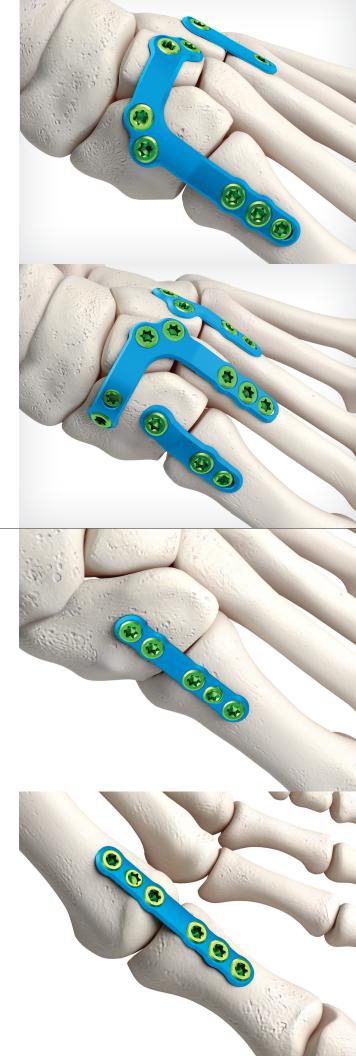


STRAIGHT MIDFOOT UTILITY

Midfoot Fusion Straight plates provide an alternative option when anatomically designed plates may not be ideal for a specific patient or procedure. The plates are available in a variety of lengths and accommodate 2.7 mm, 3.5 mm, or 4.0 mm polyaxial locking or non-locking screws in any hole for maximum versatility.

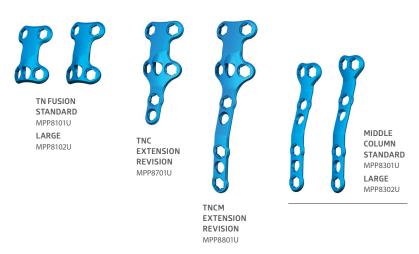


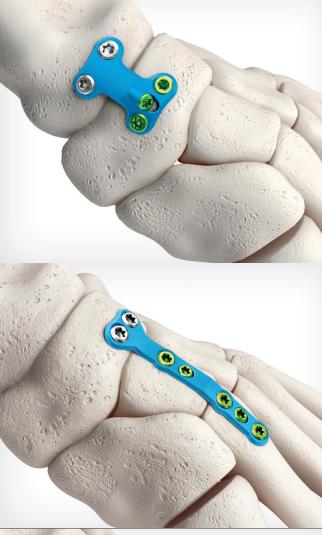




DORSAL MIDFOOT RECON

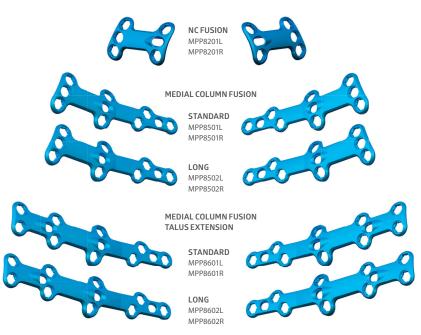
The Dorsal Midfoot Recon plate family provides a robust offering of innovative and exclusive implants, designed to address complex clinical scenarios involving the dorsum of the foot. Plate options include TN Fusion, TNC (Talo-Naviculo-Cuneiform) Extension Revision, TNCM (Talo-Naviculo-Cuneiform-Metatarsal) Extension Revision and Middle Column Fusion (Naviculo-Cuneiform-Metatarsal). Plates may be used to address primary and revision TN fusions, Navicular AVN (Mueller-Weiss Syndrome), degenerative flatfoot cases with midfoot collapse/sag, Lisfranc injuries that extend proximally through the NC/TN joints and other deformities and arthritis patterns. Plates with fixation in the talus include our advanced dual-mode compression technology.

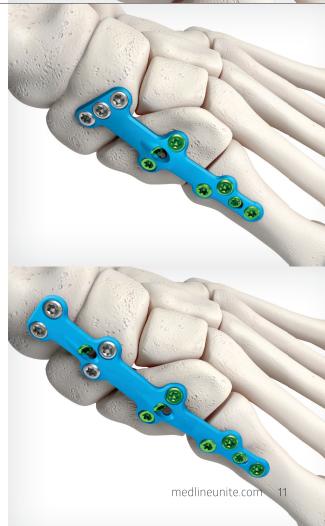




MEDIAL COLUMN AND NC FUSION

Medial Column Fusion plates feature our advanced dual-mode compression technology, giving the surgeon the freedom to select either traditional dynamic compression or cross-plate interfragmentary compression. Additionally, these plates are up to 2.5 mm thick in certain sections and accommodate up to 4.0 mm locking and non-locking screws for patients requiring more robust fixation.





FLATFOOT RECON

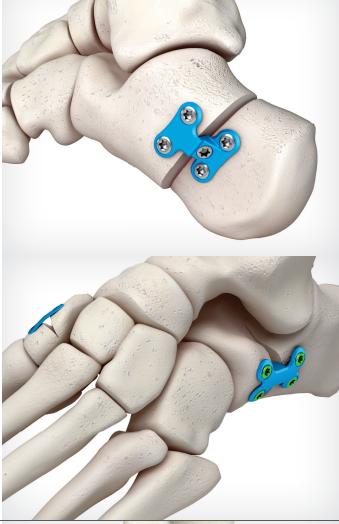
MPP6000U

MDCO plates feature a compression hole that targets the sustentaculum tali to help firmly compress the calcaneal tuberosity, while Evans Wedge plates are designed with barbs to securely anchor the plate onto the proximal cortex. Flat plates are available to use over our pre-hydrated, pre-shaped Evans and Cotton Wedge Bioimplants.



MPP6006U

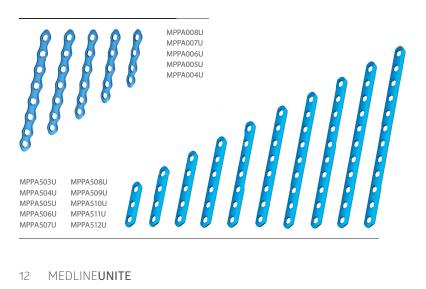


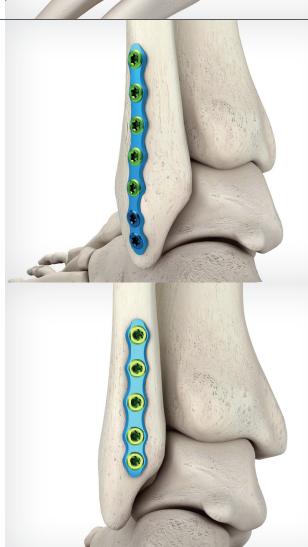


FLEX AND STRAIGHT FIBULA

Flex Fibula plates provide a unique, hybrid solution when neither anatomical nor conventional one-third tubular plates are ideal for the patient's anatomy or fracture pattern. The low-profile, scalloped design is more malleable and can be contoured in-situ with ease. The in-line, closely spaced two-hole cluster allows the plate to achieve more fixation distally when used in lieu of anatomical plates. Available standard Straight Fibula plates are both stronger and more malleable than conventional stainless steel one-third tubular plates, and accommodate 2.7 mm, 3.5 mm and 4.0mm screws.

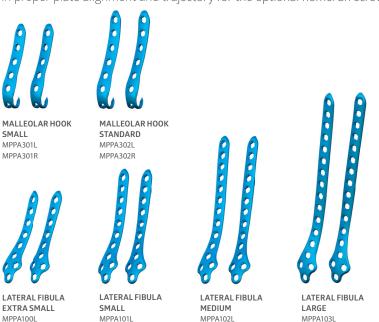
MPP6008U

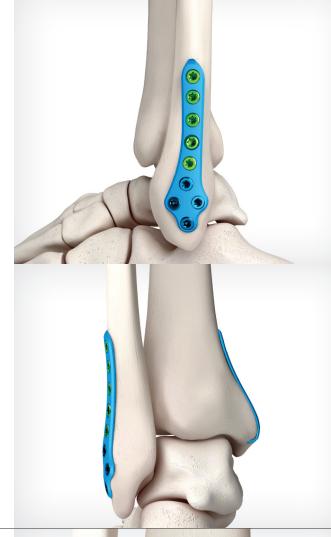




LATERAL FIBULA AND MALLEOLAR HOOK

Lateral Fibula plates feature syndesmotic slots designed to accommodate suture button fixation devices, as well as 3.5 mm or 4.0 mm syndesmotic screws up to 60 mm in 2 mm increments to avoid medial soft tissue irritation. The Malleolar Hook plates feature long, sharp hooks for enhanced small fragment fixation, while its guide aids in proper plate alignment and trajectory for the optional homerun screw.





ANATOMIC POSTERIOR TIBIA | FIBULA

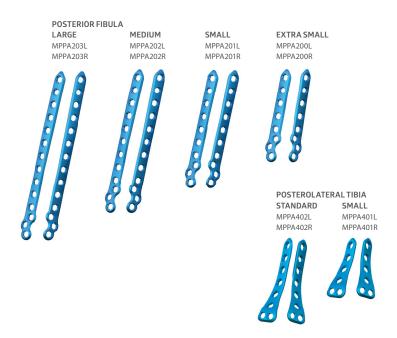
MPPA101R

MPPA100R

Optimized for the treatment of tri-malleolar ankle fractures and the posterior approach, the Posterior Fibula plates offer superior distal fixation and fit compared to conventional one-third tubular plates, while the Posterolateral Tibia plates feature a built-in anterosuperior screw trajectory to avoid impinging the tibiotalar joint space.

MPPA102R

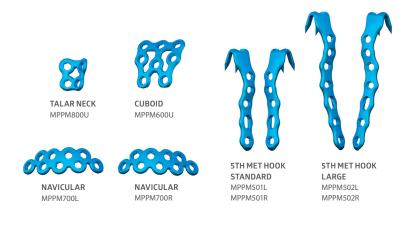
MPPA103R





5TH METATARSAL AND TARSAL FRACTURE

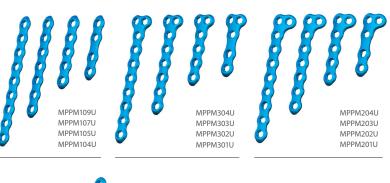
The 5th Metatarsal Hook plate system utilizes a unique guide and inserter to aid in proper plate alignment, fracture reduction, and plate placement for increased speed and efficiency. Anatomically contoured, tarsal-specific plating options allow for greater fixation when addressing comminuted fracture patterns.

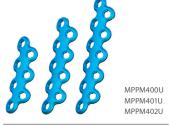




UTILITY METATARSAL FRACTURE

Metatarsal Z plates provide a more robust option for fixation of 1st and 5th metatarsal fractures. The short, 4-hole Straight, T, and L Metatarsal plates feature a bridge to span fractures or osteotomies and increase strength.



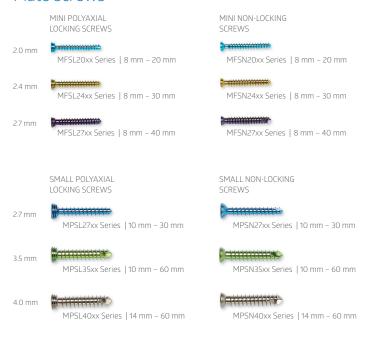




Precision performance at every turn.

Medline UNITE Screws are color-coded with instruments and intuitively arranged in order of procedure flow for greater efficiency. Across our portfolio, STAR drive design ensures maximum torque and reduced head stripping.

Plate screws



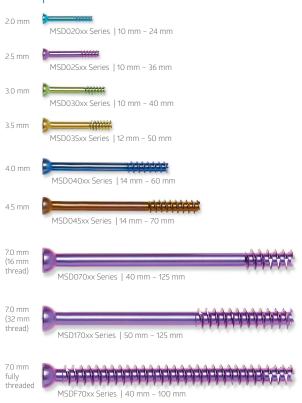
Specialty plate screws



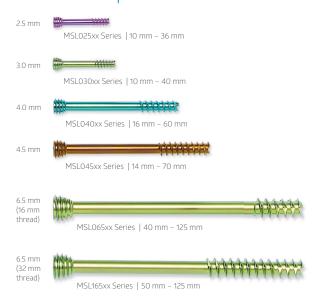
Snap-off screws



Low-profile headed cannulated screws



Headless compression cannulated screws



Advanced Orthobiologic Solutions

Activate your fusion.



Optimized combination and ratio of biomaterials to support bone healing at all stages

Bioglass facilitates a rapid biological response and stimulates the formation of an osteoconductive apatite layer

Optimized granule structure and porosity mimics human cancellous bone

Controlled resorption profile

with biphasic granules (ß-TCP and HA components)

Highly moldable and waxy consistency

in a rapidly resorbing Alkylene Oxide Polymer carrier





Fiber Putty and Cortical Fiber

formats available to accommodate surgeon preference

3D interwoven fiber scaffold offers greater osteoconductive surface area vs. traditional crushed cancellous bone

Improved handling and wicking

vs. traditional putties and chips

Carrier-free formulation allows for immediate start to the bone healing process





Unique processing technology protects healthy cell population and viability by reducing cell-damaging processing steps.*

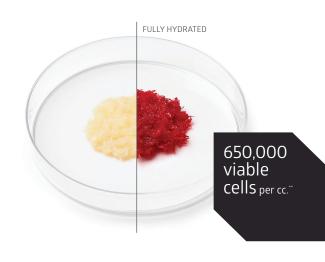
Greater osteogenic potential and cell proliferation capability vs. traditionally processed cellular bone allografts*

Greater osteoinductive potential and

BMP-2/BMP-7 levels vs. traditional demineralized bone

3D interwoven fiber scaffold offers greater osteoconductive surface area versus traditional crushed cancellous bone

Improved handling, wicking and mixing vs. traditional cellular allografts



Item No.	Size
Synthetic Bioactive Putty	
MSBG0375	3.75 g
MSBG0750	7.5 g

Item No.	Size
Demineralized Fiber Putty	
MDBM1010	1 cc
MDBM1025	2.5 cc
MDBM1050	5 cc
MDBM1100	10 cc
Cortical Fibers	
MDBF1025	2.5 cc
MDBF1050	5 cc
MDBF1100	10 cc

^{*}Compared to 1-4mm cancellous chips.

Item No.	Size
Fiber Viable Bone Matrix	
MVBG0010	1 cc
MVBG0020	2 cc
MVBG0050	5 cc
MVBG0100	10 cc

^{*}In vitro assays demonstrated greater cellular health. Data on file.



Ready when you are.

Pre-Hydrated Reconstructive Bioimplants

Pre-hydrated for speed and strength

The patent-pending aqueous calcium chloride solution allows wedges to be stored fully hydrated for immediate use.

- · Eliminates idle time
- · Preserves structural integrity of the graft
- · Reduces the likelihood of intra- and post-operative graft crumbling and subsidence

Pre-shaped for stronger performance

Made of dense cancellous bone, each wedge is pre-shaped to eliminate the time and waste of cutting a bone block.

- · Withstands the physical demands placed on structural grafts
- · Full incorporates and resorbs
- · Removes easily if needed

Item No.	Description	Size
MWCT0005	Cotton wedge	5MM
MWCT0006	Cotton wedge	6MM
MWCT0007	Cotton wedge	7MM
MWEV0006	Evans wedge	6MM
MWEV0008	Evans wedge	8MM
MWEV0010	Evans wedge	10MM
MWEV0012	Evans wedge	12MM
MWUT0012	Utility wedge	12MM

^{**}Including MSCs, osteoprogenitors and osetoblasts.

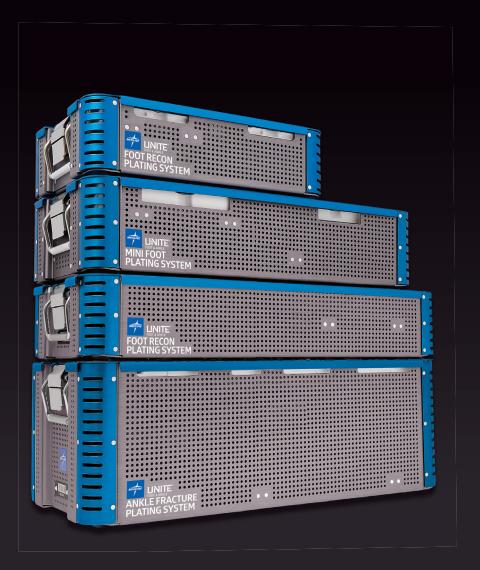
Expertise in practice.

UNITE is guided by the expertise of our surgeon design team, down to the finest details. Ongoing collaboration at every step of the way is at the heart of the process in order to address the complex unmet needs of surgeons and advance clinical performance through intelligent design.

Medline UNITE Surgeon Design Team

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Foot Recon Plating | 2. Advanced Midfoot Recon Plating
 Mini Foot Plating | 4. Ankle Fracture Plating



To schedule a case, contact your Medline UNITE Representative or visit medlineunite.com for more information.

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