

EXTREMITY[®]
MEDICAL



— THE —[®]
CARTILAGINATOR

Modernizing Joint Preparation

Taking Down the Complexities of Joint Preparation

Joint preparation plays a key role in achieving a successful fusion outcome. However, traditional preparation methods can sometimes present challenges:

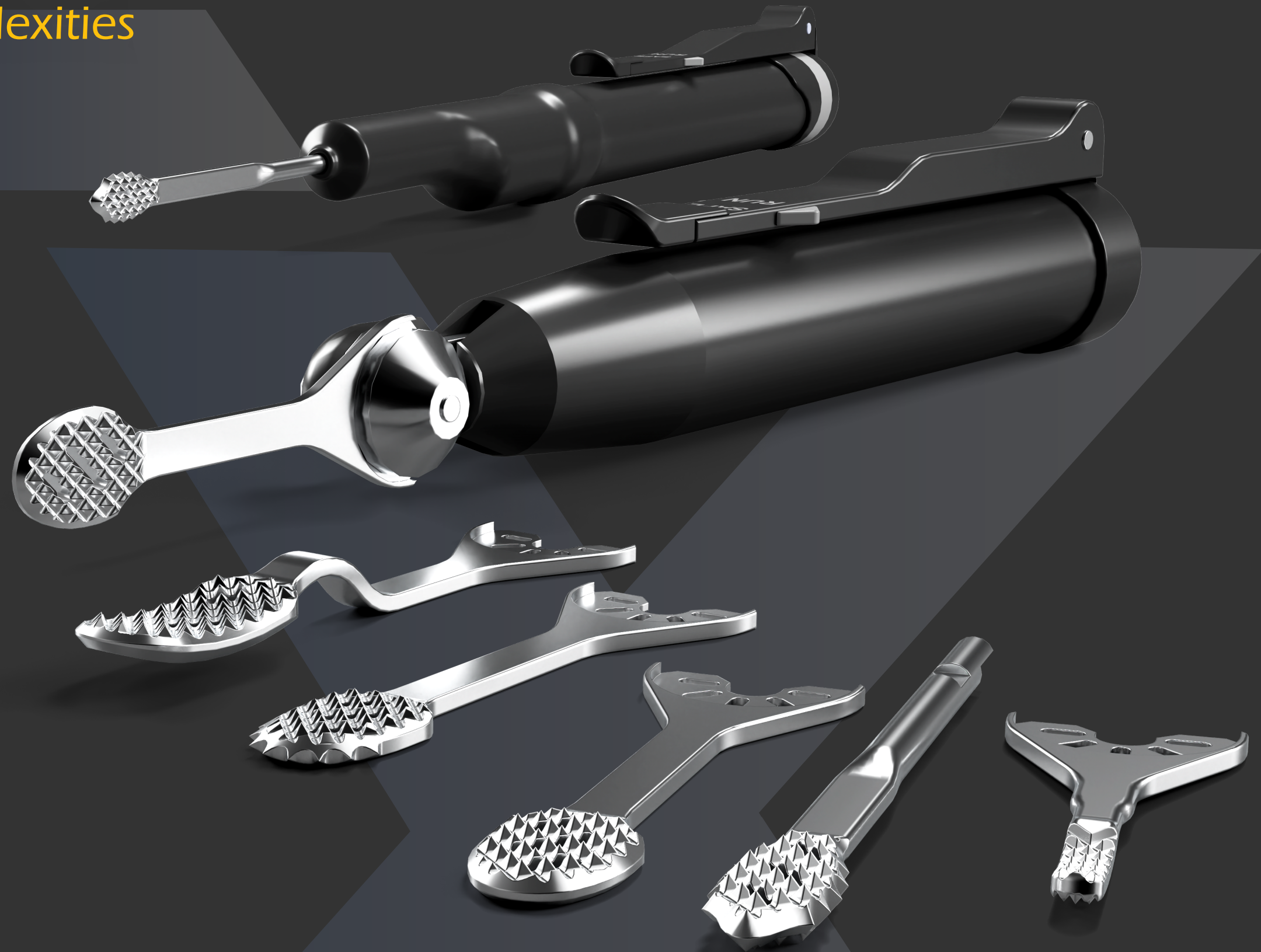
- Time-intensive cartilage removal
- Excessive bone loss
- Difficulty maintaining joint congruency

The Cartilaginator™

A purpose-built powered instrument system designed to remove cartilage efficiently, preserve subchondral bone, and simplify one of the most critical steps of fusion surgery.

Key Benefits

- ✓ **Efficient Cartilage Removal**
Single or double sided options to streamline joint preparation.
- ✓ **Controlled Depth of Preparation**
Fine teeth are intended to facilitate cartilage removal while helping preserve healthy subchondral bone.
- ✓ **Anatomically Designed**
Varying shapes and curvatures provide surgeons with options to best maintain joint congruency and access the joint surface.
- ✓ **Multiple Styles Available**
Straight, curved, MIS, and reciprocating options allow surgeons to choose the right tool for the anatomy.



What's New

Expanding the Cartilaginator™ Platform

Engineered for Keyhole Incisions

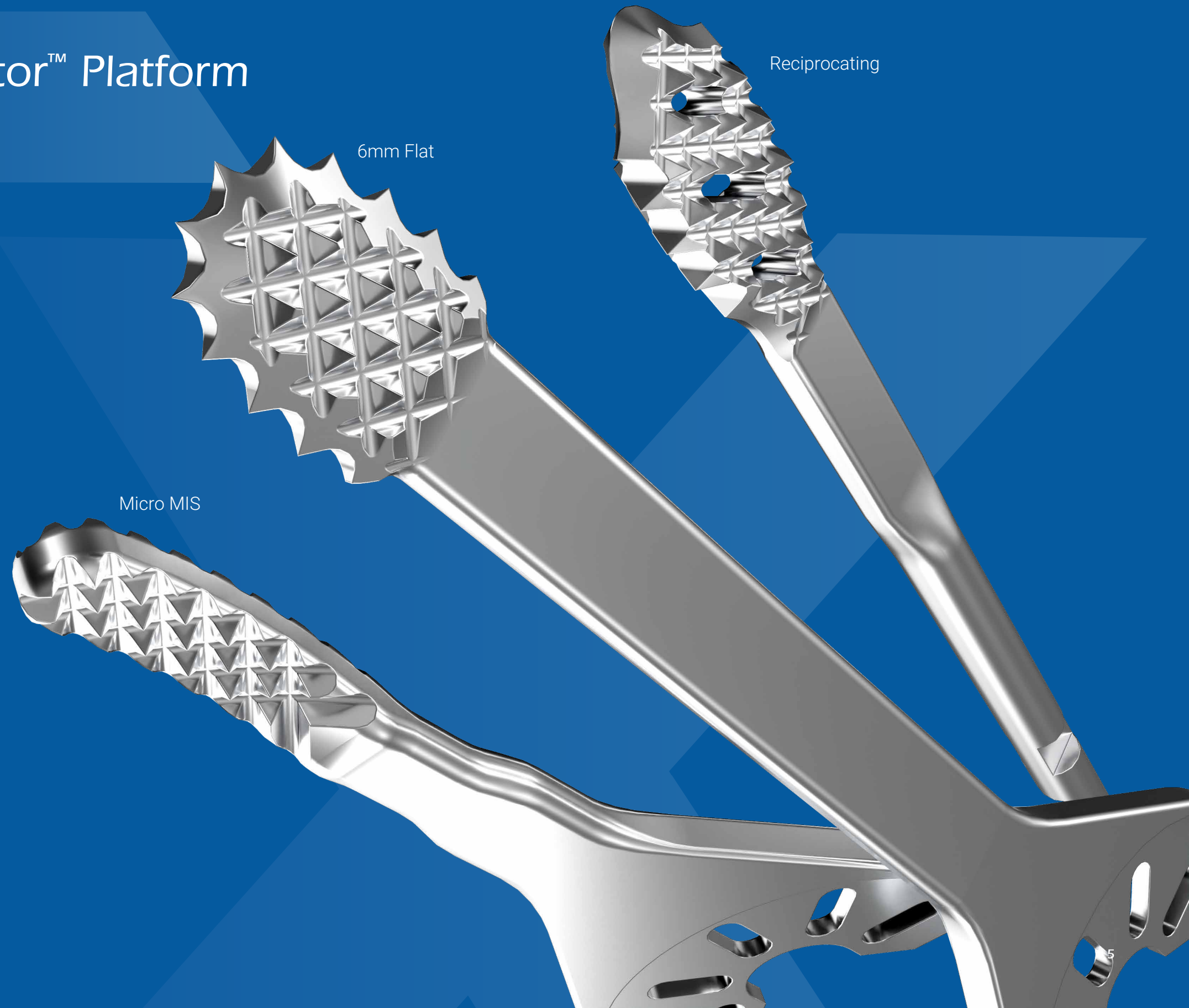
New Cartilaginator™ styles support minimally invasive approaches while delivering the same efficient cartilage removal as the original styles.

- Head widths as narrow as 3mm are designed to facilitate access through small incisions.
- Side cutting features are designed to plane down difficult to access regions of the joint.
- Vented slots within the head help clear cartilage debris throughout joint preparation.

Reciprocating Cartilaginator™

A push-pull reciprocating design engineered for controlled preparation through small incisions and constrained anatomy.

- Low-profile 7.5mm head width is designed to support minimally invasive workflows.
- Intended to facilitate precise joint preparation within constrained anatomy and tight working areas.
- Double-sided cutting surfaces with side and tip cutting features help support efficient preparation from multiple angles.
- The linear motion reduces any side-to-side interference with soft tissue at the incision site.



Multiple Purpose-Built Styles for Your Most Common Procedures

The Cartilaginator™ styles were designed specific to the anatomy for each procedure.

The diagram below highlights the possible procedures each Cartilaginator™ style can be used for. This provides recommendations only, and will ultimately will be left up to the surgeons preference.

TTC
A, B, D

Subtalar Fusion
A, B, C, D, F, G, J

Triple Arthrodesis
A, B, C, D, E, F, G, J

Double Arthrodesis
A, B, C, D, F, G

Charcot
A, B, D, F, G, J

Medial Column
A, C, D

Ankle Fusion
A, B, C, D, E, F, G, J

TN Fusion
A, B, C, D

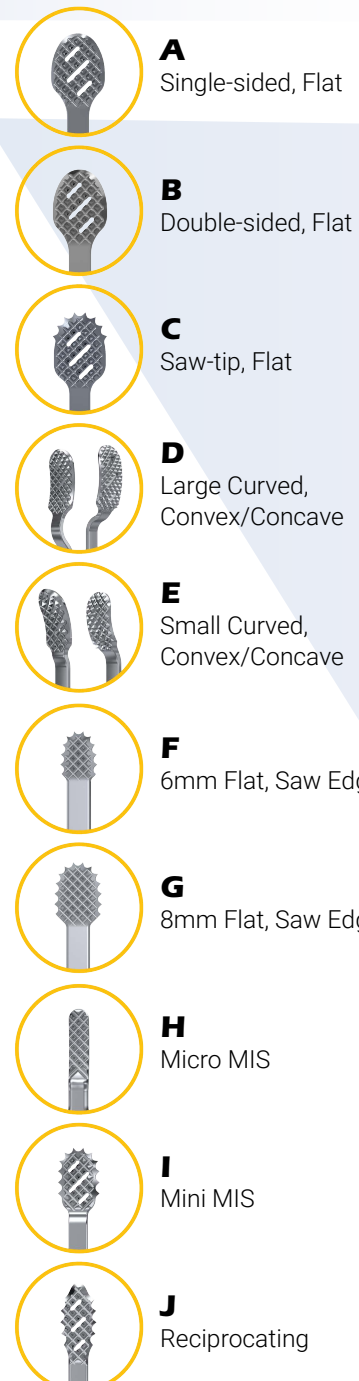
NC Fusion
A, B, C

Lapidus
A, B, C, F, G, J

Midfoot Fusion
A, B, C, D, F, G, J

MTP Fusion
A, B, E, H, I

Hammertoe
H, I



Brief Technique Overview



Step 1: Select the most appropriate style and attach to standard handpiece.

- Compatible with Stryker oscillating and sagittal saw systems



Step 2: Cartilaginate: prepare joint surfaces efficiently.

- Apply minimal pressure and run at lower speeds (50% power or less)
- Vents are incorporated to filter out cartilage build up; alternatively insert the tip in a saline bath and run it on power



Step 3: Insert fixation implant of choice.

- Common choices: IO Freedom (shown here), IO FiX 2.0, Omni Plating System



Cartilaginator™ Offering

Offered in a wide range of shapes and profiles to match anatomy, procedure goals, and surgeon preference.

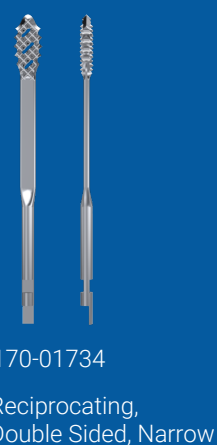
Flat



Curved



Reciprocating



Surgeons Share Their Experience



"Not only does the Cartilaginator™ provide a quick and effective method to prep the joint for arthrodesis, but it takes less than half the time of the traditional methods."

Bradley Lamm, DPM

"The Cartilaginator™ makes a tedious sometimes laborious step of fusion surgery fast, efficient, and easy. It adds a degree of levity to challenging cases."

William McGarvey, MD



"The Cartilaginator™ represent a significant advancement in the field of orthopedics when compared to traditional joint preparation tools. The instruments not only facilitate congruency of the joint surfaces, but also enhance safety while streamlining the surgical procedure."

Jesse Doty, MD

"Compared to traditional joint preparation, The Cartilaginator is faster, more precise, and better at preserving subchondral bone. Its ability to conform to the unique anatomy of the foot and ankle has made it a valuable tool in the efficiency of my surgical workflow."

Christine Seaworth, MD





Real Change Starts with Better Joint Preparation



Real change *starts* here™

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