MAVEN™

PATIENT SPECIFIC SURGERY

FEATURING NEW TO MARKET

AP Positioning Technology

Paragon 28®

PATIENT-SPECIFIC INSTRUMENTATION

& SURGICAL PLANNING CASE REPORTS

APEX 3D™

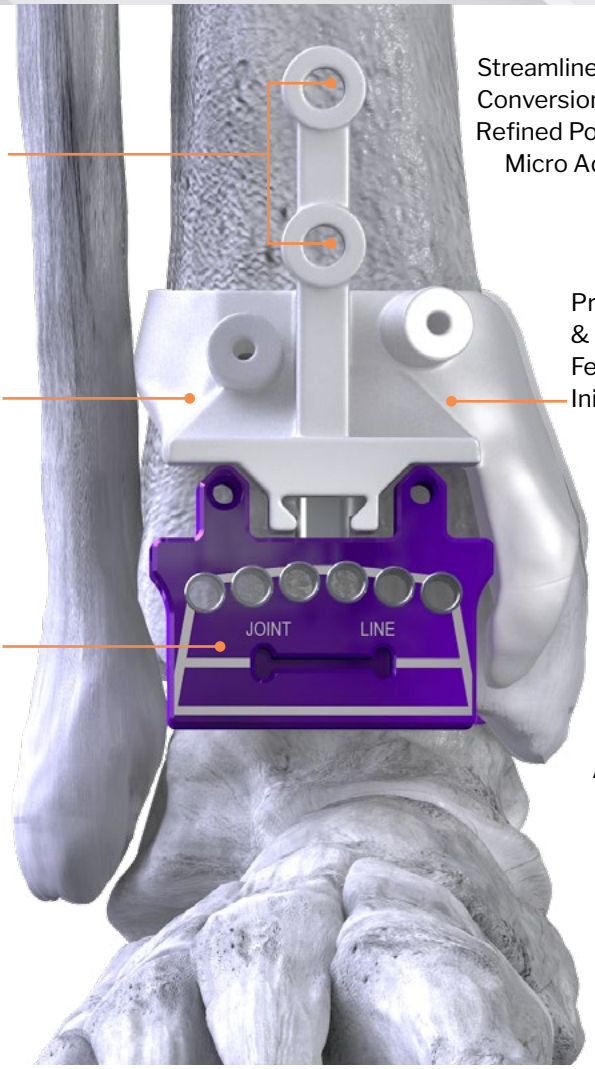
TOTAL ANKLE REPLACEMENT

Powered by MAVEN™

MAVEN™ Patient-Specific Guides and Surgical Planning Case Reports were developed to:

- Simplify and expedite alignment
- Accurately determine both implant size selection and placement critical for long-term survivorship[1]

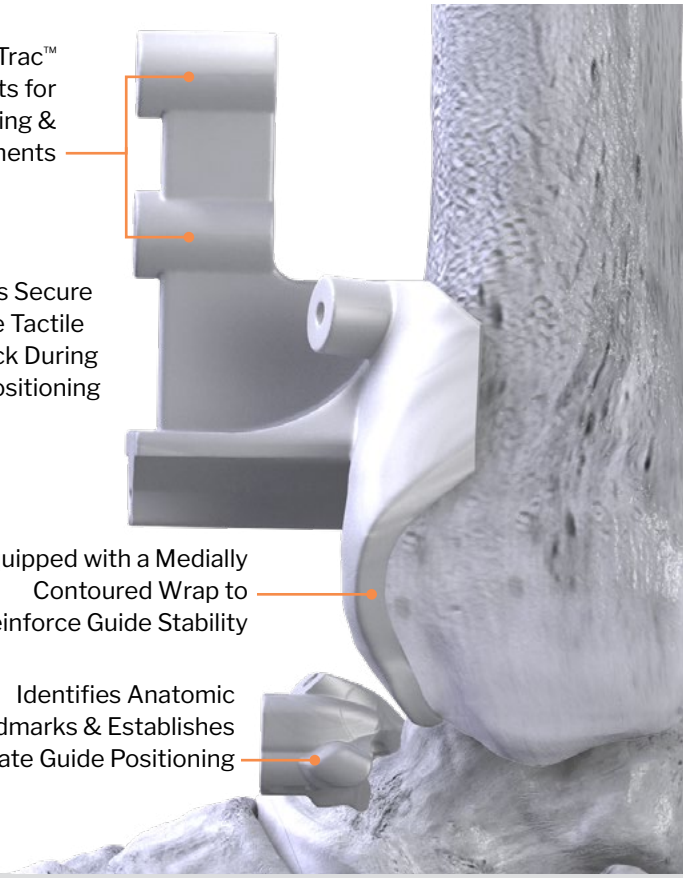
PATIENT-SPECIFIC TECHNOLOGY BASED ON CT RESEARCH.



Convenient Varus/Valgus Verification Points

True Contour to Patient's Bone Geometry not Osteophytes

Provides Precise Component Alignment & Clearly Defined Bone Resection Planes



Streamlined FasTrac™ Conversion Points for Refined Positioning & Micro Adjustments

Provides Secure & Stable Tactile Feedback During Initial Positioning

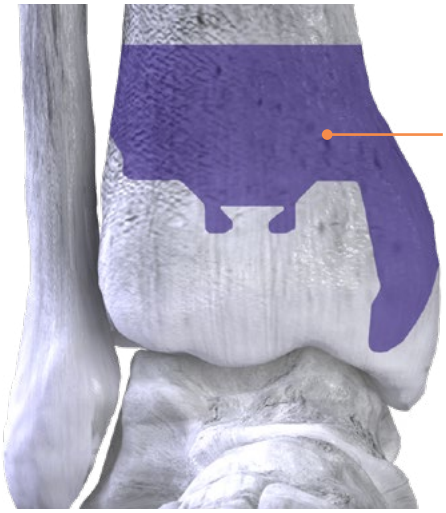
Equipped with a Medially Contoured Wrap to Reinforce Guide Stability

Identifies Anatomic Landmarks & Establishes Accurate Guide Positioning

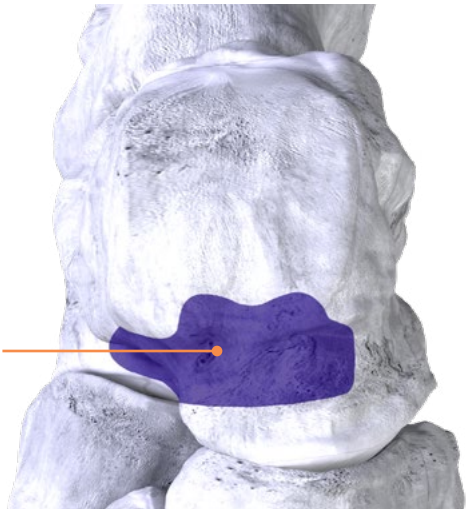
ALIGNMENT. ORIENTATION. POSITIONING.

The MAVEN PSI System utilizes surgeon inputs and computer assisted processing technology to achieve accurate tibiotalar alignment and implant placement to reduce potential for eccentric loads, wear debris and osteolysis.[2, 3]

MINIMAL JOINT PREPARATION REQUIRED.

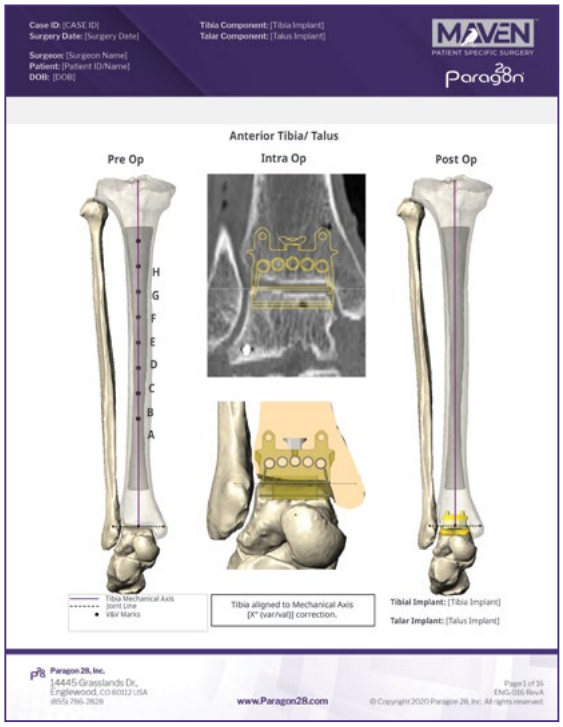


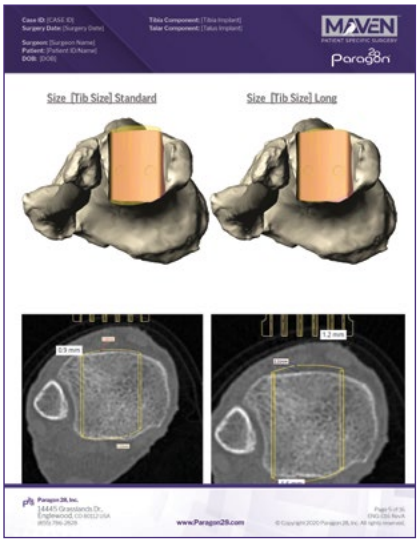
Preserves Periosteum Due to Minimal Guide / Bone Contact Surface

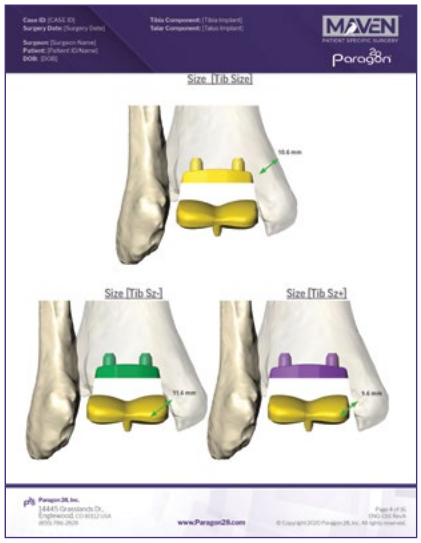


Preserves Anterior Talar Cartilage

SURGICAL PLANNING CASE REPORTS.



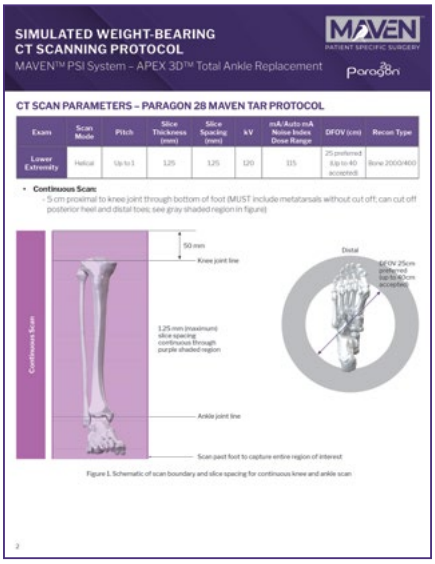




- Are generated based on surgeon inputs and segments of the patient's CT scanned anatomy
- Address all 6 degrees of rotational and translational orientation
- Allow for enhanced pre-operative visualization of anatomic structures, bone resection levels and help to identify anatomic abnormalities
- Depict APEX 3D™ System Tibia & Talus Implant sizes in simulated implantation

CT SCANNING PROTOCOLS.

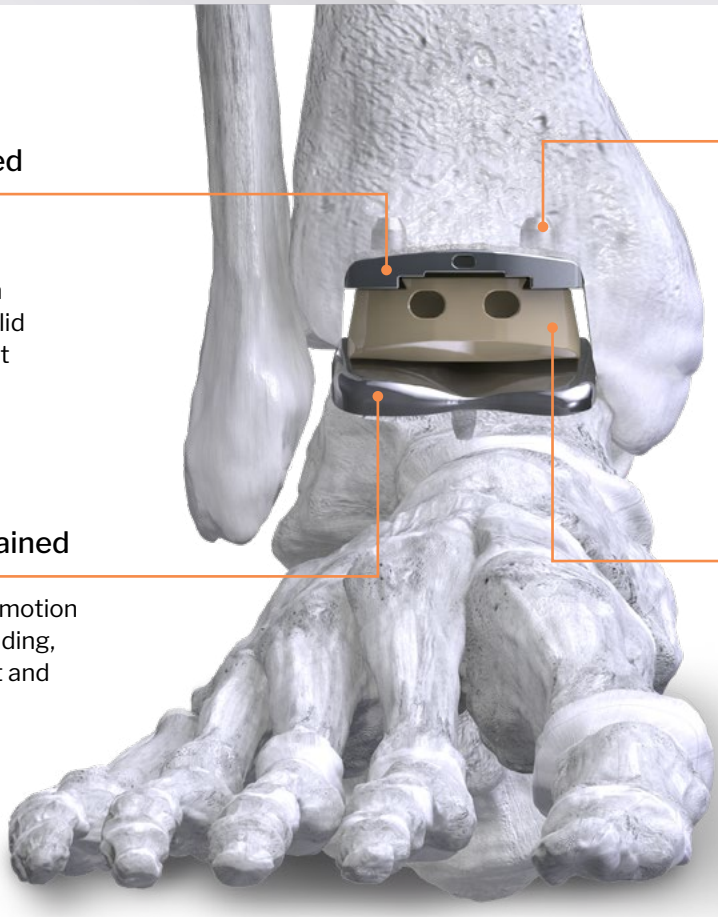
- CT protocols are available in both weight-bearing and simulated weight-bearing scanning options
- Feature a comprehensive continuous knee scan, 5 cm proximal to the knee joint through the bottom of the foot for optimal visualization
- Incorporates 1.25 mm maximum slice spacing for optimal resolution



FOR MORE INFORMATION VISIT:
APEXANKLE.COM

Paragon 28® APEX 3D™ Total Ankle Replacement System was designed to address end-stage ankle arthritis and current challenges within the total ankle market including: implant loosening, pathological wear, instability and persistent pain.

RESEARCH BASED. **SOLUTION** FOCUSED.



Low-profile 3D Printed Tibial Tray
designed for rotational stability and features a porous architecture with gradient zones down to solid substrate, available in Flat and ARC Tibia™ options

Non-Coated Vertical Pegs
positioned slightly posterior to mid-line where peak bone density is located[4] for initial stability

Anatomically Constrained Gentle Sulcus
designed to mimic natural motion and reduce eccentric loading, available in Chamfer-cut and Flat-cut options

Vitamin E Highly Cross-linked Poly
to reduce oxidation, wear debris, and potential for osteolysis[2,3]

MAVEN™
PATIENT SPECIFIC SURGERY

APEX 3D™
TOTAL ANKLE REPLACEMENT
Powered by MAVEN™

P10-STM-0002 Rev. B [2021-04-07]

Paragon 28, Inc.
14445 Grasslands Dr.
Englewood, CO 80112
(855) 786-2828

Exclusively foot & ankle
Paragon 28®
www.Paragon28.com

References

1. Insall JN, Binazzi R, Soudry M, Mestriner LA. Total knee arthroplasty. Clin Orthop Relat Res. 1985;(192):13 22
2. Kurtz, S.M., Bracco, P., Costa, L., Oral, E., Muratoglu, O.K. (2016) Vitamin E-Blended UHMWPE Biomaterials. UHMWPE Biomaterials Handbook, 293-325.
3. G. Rochcongar, MD, G. Buia, MD, E. Bourroux, J. Dunet, MD, V. Chapus, MD, and C. Hulet, MD, PhD. (2018) Creep and Wear in Vitamin E-Infused Highly Cross-Linked Polyethylene Cups for Total Hip Arthroplasty A Prospective Randomized Controlled Trial. Journal of Bone and Joint Surgery, Incorperated.
4. Hvid, I. et. al. (1985) Trabecular Bone Strength Profiles at the Ankle Joint. Clinical Orthopaedics and Related Research, 306-312.

For the contraindications, potential complications and adverse reactions, warnings and precautions associated with this device, please refer to the device specific instructions for use at http://www.paragon28.com/ifus