

## FEATURING NEW TO MARKET

**AP Positioning Technology** 



## PATIENT-SPECIFIC INSTRUMENTATION

& SURGICAL PLANNING CASE REPORTS



Powered by MAVEN<sup>™</sup>

# MAVEN<sup>™</sup> 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<sup>1</sup>

## 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<sup>™</sup> Conversion Points for Refined Positioning & Micro Adjustments -

> Provides Secure & Stable Tactile Feedback During Initial Positioning

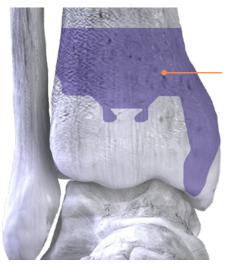
> > Equipped with a Medially Contoured Wrap to Reinforce Guide Stability

Identifies Anatomic Landmarks & Establishes Accurate Guide Positioning -

#### ALIGNMENT. ORIENTATION. POSITIONING.

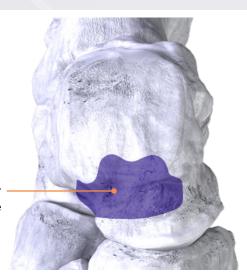
The MAVEN PSI System utilizes surgeon inputs and computer assisted processing technology to achieve accurate tibiotalar alignment and implant placement to reduce potential for eccentric loads, wear debris and osteolysis.<sup>2,3</sup>

### MINIMAL JOINT PREPARATION REQUIRED.



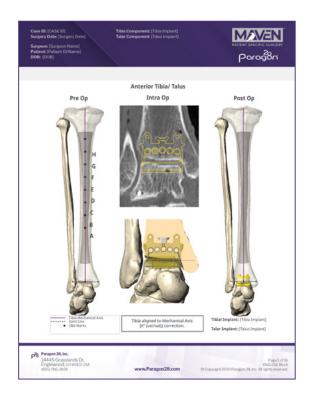
Preserves Periosteum Due to Minimal Guide / Bone Contact Surface

> Preserves Anterior Talar Cartilage





## SURGICAL PLANNING CASE REPORTS.



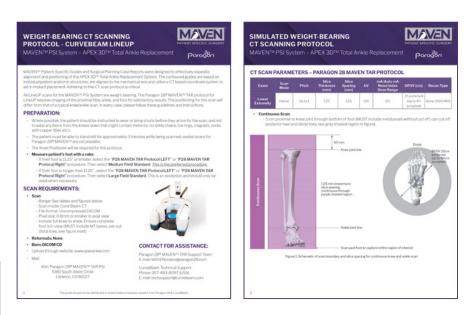


- Are generated based on surgeon inputs and segments of the patient's CT scanned anatomy
- Address all 6 degrees of rotational and translational orientation
- Allow for enhanced pre-operative visualization of anatomic structures, bone resection levels and help to identify anatomic abnormalities
- Depict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

### **CT SCANNING** PROTOCOLS.

- CT protocols are available in both weightbearing 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<sup>®</sup> APEX 3D<sup>™</sup> 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<sup>™</sup> options

#### Anatomically Constrained Gentle Sulcus

designed to mimic natural motion and reduce eccentric loading, available in Chamfer-cut and Flat-cut options Non-Coated Vertical Pegs positioned slightly posterior to mid-line where peak bone density is located<sup>4</sup> for initial stability

Vitamin E Highly Cross-linked Poly to reduce oxidation, wear debris, and potential for osteolysis<sup>2,3</sup>





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#### References

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- 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