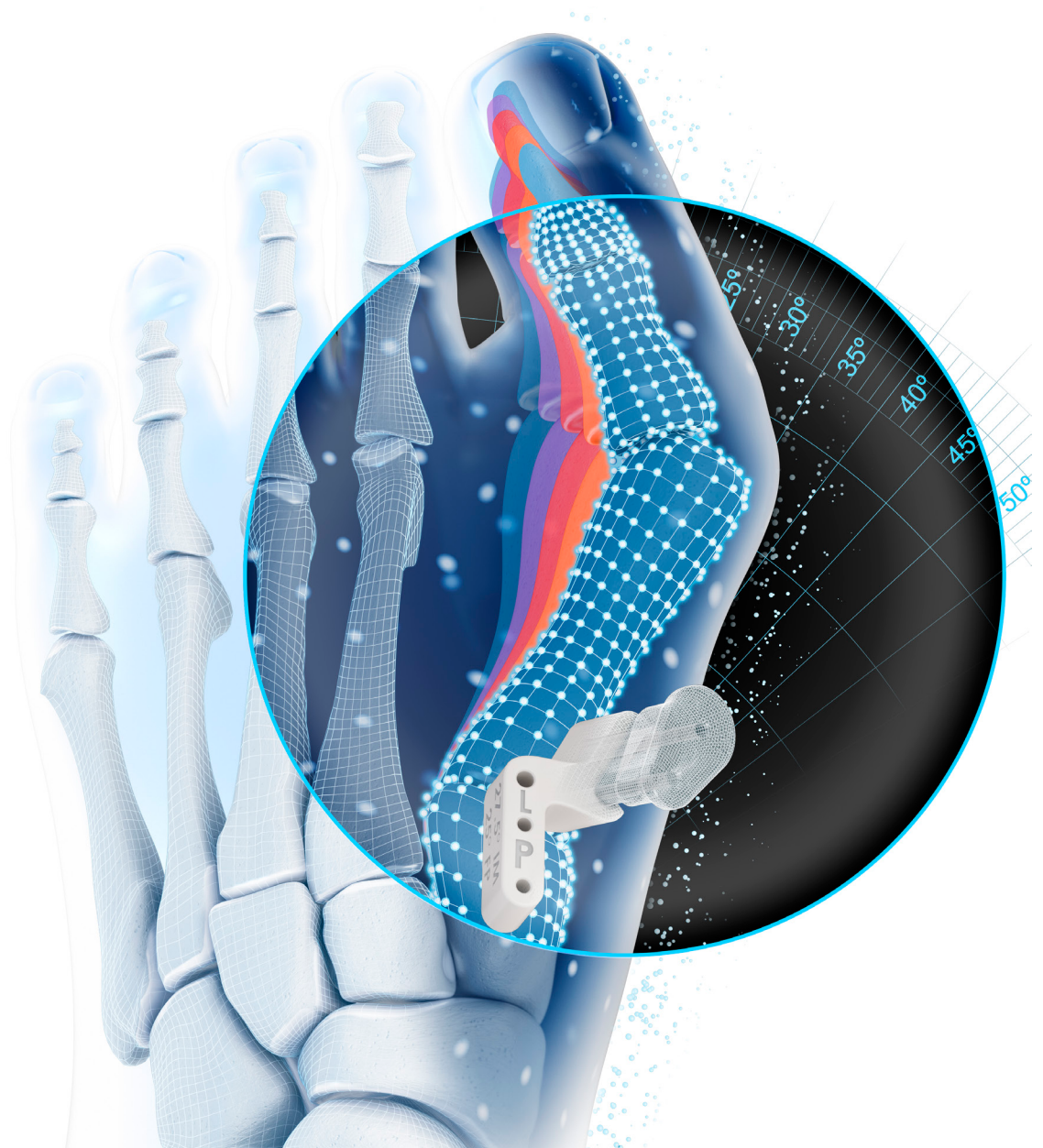


VIRTUGUIDE™

AI-Powered, Patient Matched Lapidus Correction¹



AI-Automated Pre-op Planning in Minutes^{*1}

Patient Matched Deformity Instrumentation in 24 Hours^{†1}

Streamlined Surgery^{‡1}

Johnson & Johnson
MedTech

 **VELYS™** Enabling Tech

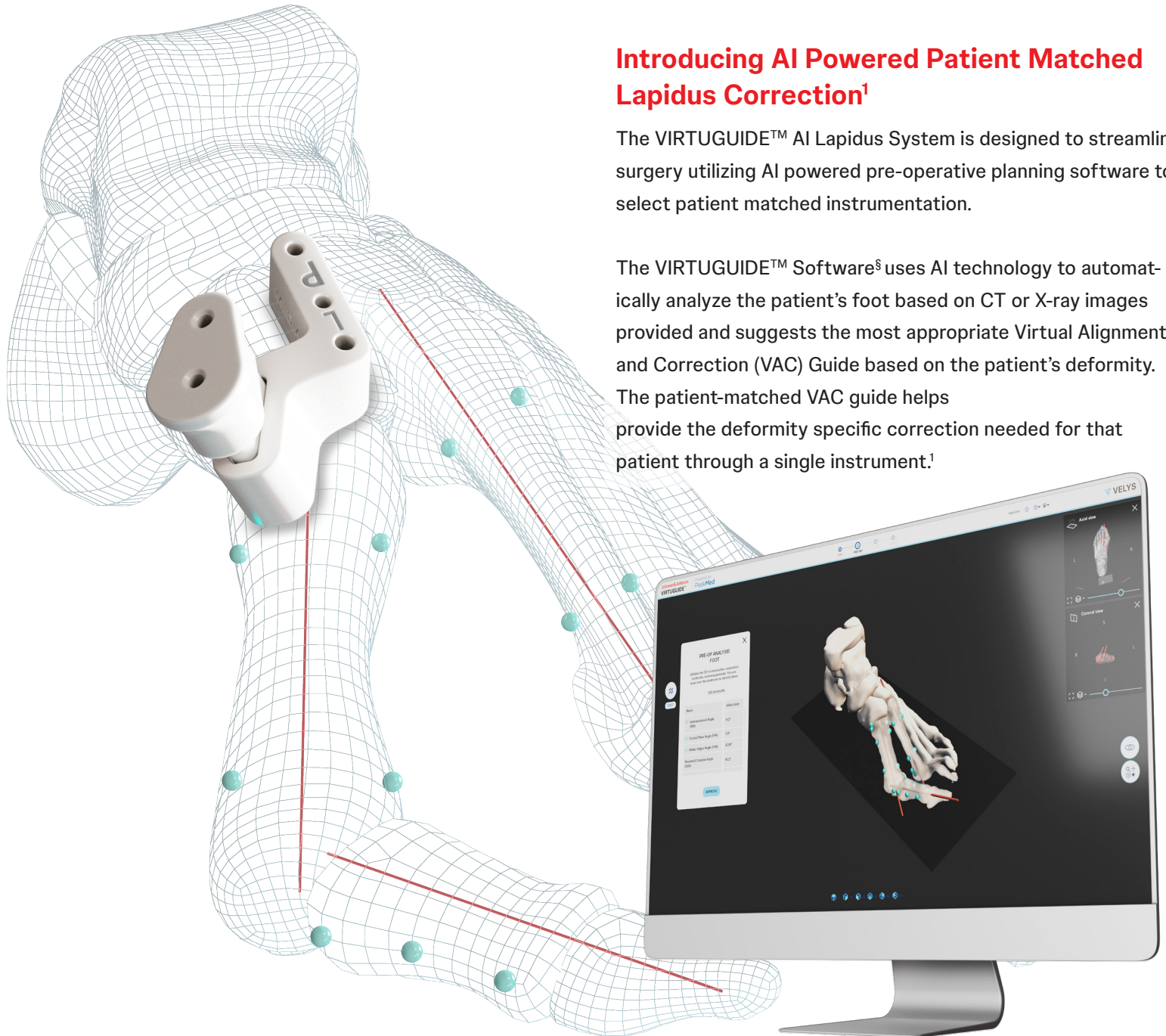
The lapidus correction evolution is here

The Lapidus procedure was established in 1934 by Dr. John Lapidus. Recent advancements in surgical instrumentation and procedure-specific implants have further improved the stability of these fusions.² Through developments in AI technology, the Lapidus evolution has emerged.

Introducing AI Powered Patient Matched Lapidus Correction¹

The VIRTUGUIDE™ AI Lapidus System is designed to streamline surgery utilizing AI powered pre-operative planning software to select patient matched instrumentation.

The VIRTUGUIDE™ Software[§] uses AI technology to automatically analyze the patient's foot based on CT or X-ray images provided and suggests the most appropriate Virtual Alignment and Correction (VAC) Guide based on the patient's deformity. The patient-matched VAC guide helps provide the deformity specific correction needed for that patient through a single instrument.¹



[§] The VIRTUGUIDE™ Planning Software, powered by PeekMed®, is developed and owned by Peek Health, S.A. Refer to help.peekmed.com for user manuals, FAQ's, or any support.

Footnotes title page:

* The mean duration required for non-clinical personnel to finalize the pre-operative planning process.

† A duration of 24 hours is indicative of the standard shipping timeframe from the inventory location to the customer. However, this timeframe may vary based on the availability of the specified part number and the time and day of order.

‡ VIRTUGUIDE System compared to Treace Medical Lapiplasty® 3-Plane System and Paragon28 Bun-Yo-Matic Lapidus Clamp System.

AI-powered solution

AI-Automated Pre-op Planning in Minutes.*¹

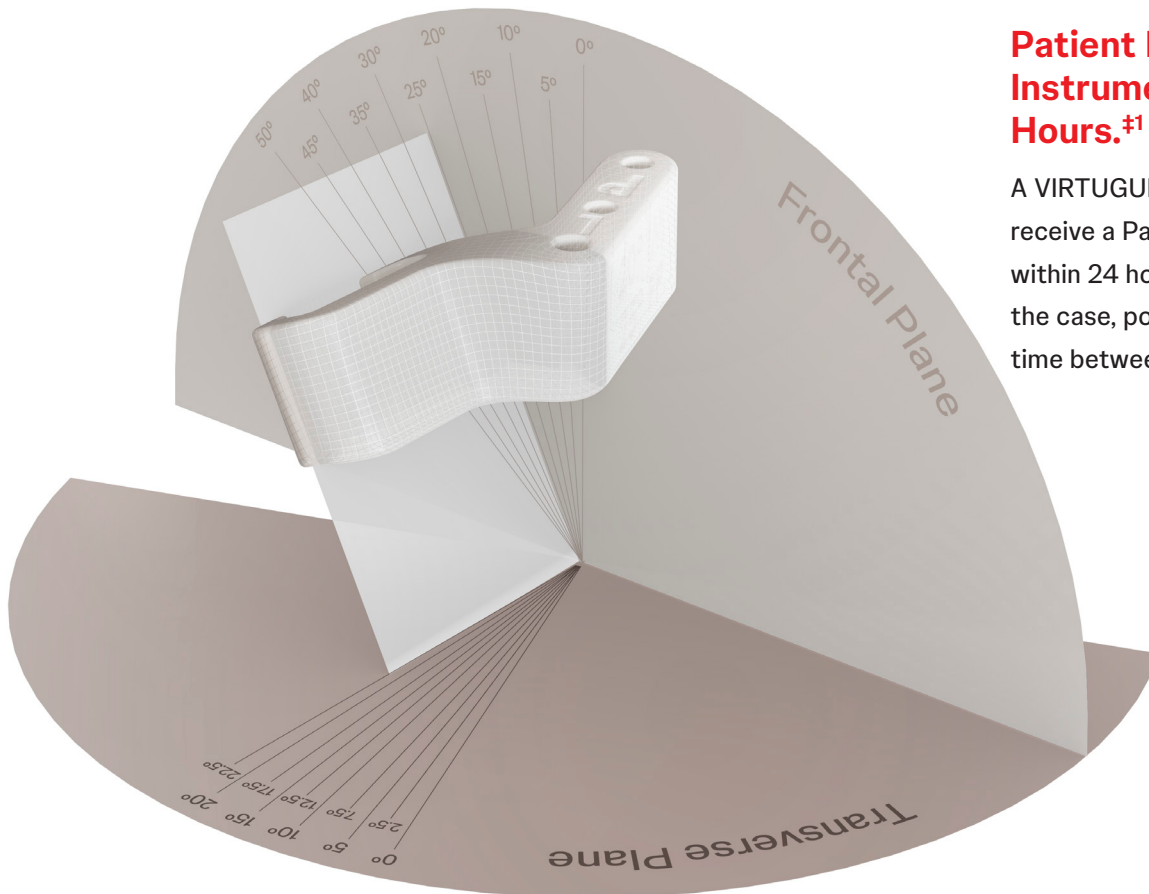
The VIRTUGUIDE™ Software[§] uses AI to automatically analyze the patient's foot based on images provided. The Software uses AI technology to assist in the selection of the most appropriate VAC Guide based on the patient deformity, providing a consistent and streamlined approach to plan for bunion correction.¹

The Automated AI-Powered Planning Software enables a shorter planning window, anatomical visualization, and data-informed decision making.^{†1}



Patient Matched Deformity Instrumentation in 24 Hours.^{‡1}

A VIRTUGUIDE™ System user can receive a Patient Matched VAC Guide within 24 hours of originally planning the case, potentially accelerating the time between imaging and surgery.^{‡1}



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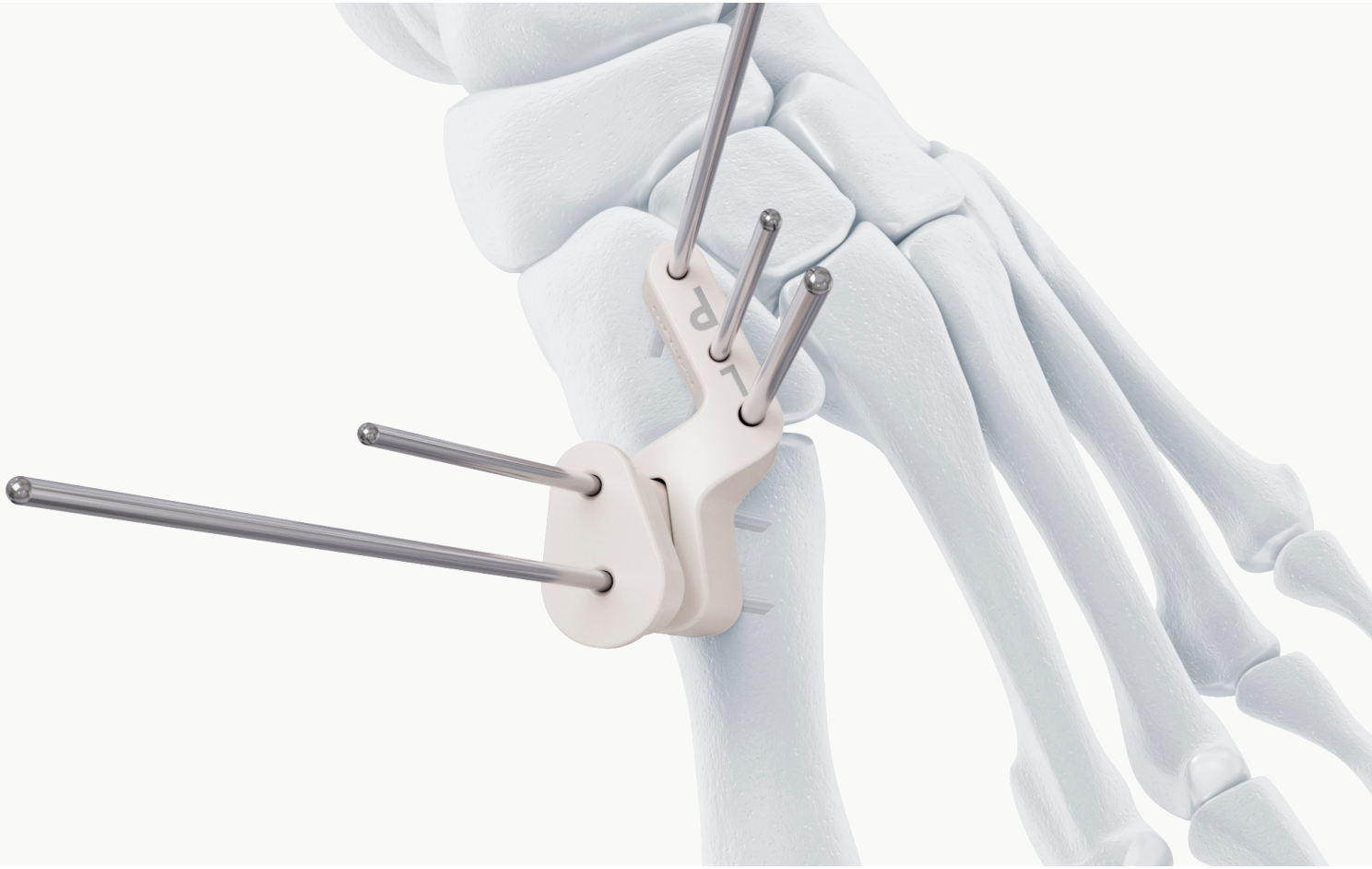
† Pre-operative planning with VIRTUGUIDE Software compared to manual pre-operative planning.

‡ A duration of 24 hours is indicative of the standard shipping timeframe from the inventory location to the customer. However, this timeframe may vary based on the availability of the specified part number and the time and day of order.

The power of patient matched correction

Early users estimated a procedural time savings of at least 30 minutes*³

Early users were more satisfied with the immediate operative outcome compared to their prior technique and rated surgical complexity lower compared to their previous technique.*³



Consistency and Predictability

Early users:

- Agreed that the Software recommended, patient matched VAC Guide improved the consistency of achieving surgical correction compared with their prior technique.*³
- Appreciated greater predictability for achieving the desired surgical correction consistently using the Software recommended, patient matched VAC Guide compared to their prior technique.*³

* Statements are based on responses from 10 surgeons, having completed a total of 150 Lapidus procedures using the VIRTUGUIDE™ System. The statements reflect surgeon experience, not clinical outcomes, and were included if at least 6 surgeons agreed.

Streamlined surgery^{*1}

The VIRTUGUIDE™ Instrument System - two significant steps of the Lapidus procedure: VAC Guide and RAC Block placement for correction and compression of the bunion deformity.¹

Reduced surgical complexity^{*1}

The VIRTUGUIDE™ Software[§] assists in ensuring that the patient-matched VAC Guide helps provide the deformity specific correction needed for that patient through a single instrument.¹ The VIRTUGUIDE VAC Guide determines the position of the Cut Guide which enables the minimal bone resection, reducing potential complications.¹ The VAC Guide determines the position of the four “Correction” Wires that subsequently define the position of the Cut Guide and RAC Block. The RAC Block arranges the distal and proximal wires to align the first ray. Through the convergent wire holes in the RAC Block, intra-operative compression is applied.¹



VAC Guide



Cut Guide



RAC Block



Fixation†



Cut Guide with “re-cut” option.



Additional Frontal Plate Rotation with Rotational RAC Blocks.



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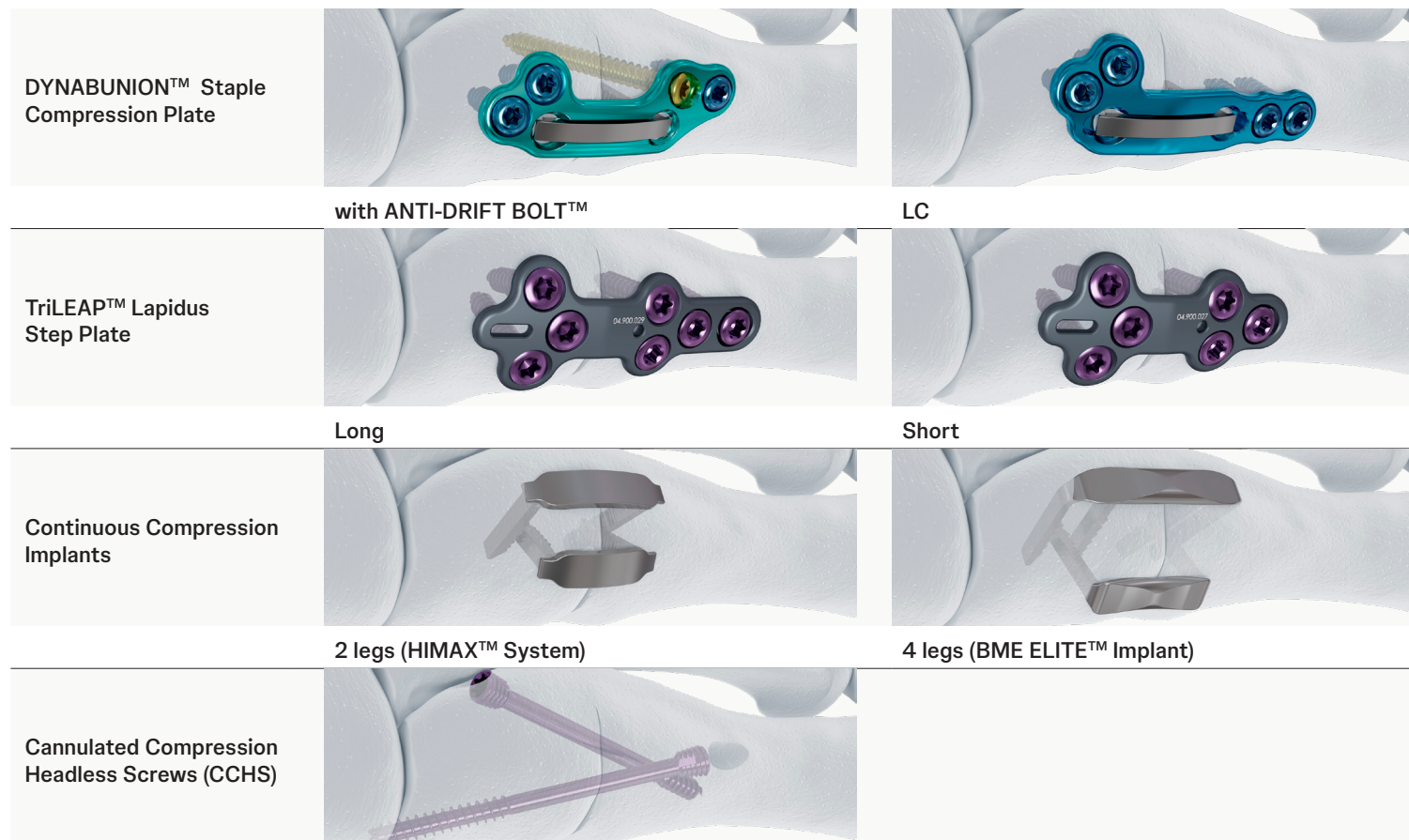
Footnotes title page:

^{*} VIRTUGUIDE System compared to Treace Medical Lapiplasty® 3-Plane System and Paragon28 Bun-Yo-Matic Lapidus Clamp System.

[†] Implants are not part of the VIRTUGUIDE™ System.

Variety of fixation options

Most comprehensive fixation options for Lapidus correction^{*4}



The implants displayed are not components of the VIRTUGUIDE™ System. They represent potential implant options for Lapidus correction fixation.

* Johnson & Johnson offering (either as legal manufacturer or distributor) including DePuy Synthes, Tyber Medical as well as CrossRoads brands that can be used for Lapidus fixation compared to Treace Medical and Paragon28 implant portfolio for Lapidus Fixation.

References:

1. Johnson & Johnson and its affiliates VIRTUGUIDE System Feature Memo. 9th Dec 2024. Windchill # EM24-0027.
2. Candrian. C. et al. The modified Lapidus fusion: a systematic review of biomechanical studies. EFORT Open Reviews(2023). 8. p162–174.
3. Johnson & Johnson and its affiliates, VIRTUGUIDE™ System Early Surgeon Experience Report, Windchill Document# EM24-0028.
4. Johnson & Johnson and its affiliates VIRTUGUIDE Portfolio Memo. 9th Dec 2024. Windchill # EM24-0036.

This document alone does not provide sufficient background for direct use of VIRTUGUIDE™ System products. Instruction by a surgeon experienced in handling these products is highly recommended, including course work with hands on supervised practice. Please refer to the package insert(s) or other labelling associated with the devices identified in this brochure for additional information. Please also refer to the instructions for use for a complete list of, indications, contraindications, warnings and precautions.

CAUTION: Federal Law restricts these devices to sale by or on the order of a physician. Some devices listed in this surgical technique may not have been licensed in accordance with Canadian law and may not be for sale in Canada. Please contact your sales consultant for items approved for sale in Canada. Not all products may currently be available in all markets.

Important Information: Please refer to the instruction for use for a complete list of indications, contraindications, warnings and precautions.

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The PeekMed User Manual is available at: <https://help.peekmed.com/web-user-manual>

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