

3DAnatomy™

Ankle Instability
ArthroLab™ Model



ArthroLab™

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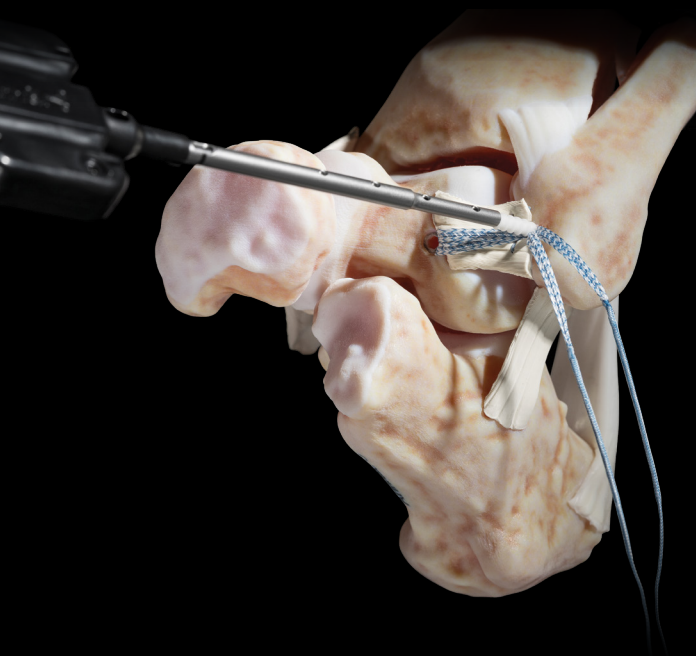
The 3DAnatomy™ ankle instability model (AIM) is a high-fidelity anatomical model, engineered to replicate the structural and mechanical behavior of human bone and soft tissue. It provides realistic cortical, cancellous, and soft-tissue responses for precise, repeatable ankle procedures and hands-on surgical training.

Key Capabilities

- › Realistic bone response under instrumentation
- › Models ligaments and tendons that support suture passage and retention
- › Designed for consistent, repeatable performance
- › Enables procedural training, technique refinement, and education

Supported Procedures

- › *InternalBrace*™ ligament augmentation (up to 3 uses)
- › FiberTak® implant placement (up to 5 uses)
- › Achilles FiberTak® SpeedBridge™ repair
- › TightRope® XP suture
- › Buttress plate



Assembly Instructions

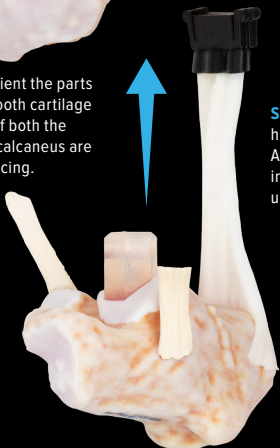
Step 1: Locate the AIM upper and AIM calcaneus assemblies.



Step 4: Insert the short pin into the pin hole of the talus.



Step 2: Orient the parts so the smooth cartilage surfaces of both the talus and calcaneus are anterior facing.



Step 3: Advance the hexagonal dowel in the AIM calcaneus assembly into the slot on the AIM upper assembly.

Step 5: Insert the proximal dowel of the tibia and fibula into the AIM TRIMANO® puck.



Step 6: Insert the pin into the pin hole, securing the tibia to the TRIMANO puck.



Step 7: Insert the AIM Achilles tendon clip by leading one side in, followed by the other, into the rectangular lock until it clicks securely into place.

Tips for a Successful Lab

- › Follow the setup guide to assemble the model prior to the session.
- › Confirm orientation. If resistance is felt during assembly, realign and reseal components. Do not force parts together.
- › Components should be stored in a cool, dry environment and protected from direct light or sunlight when not in use.

Ordering Information

Item Number	Product Description	Contents
		Bone Tibia, fibula, talus, navicular, and calcaneus
AMS-3DC-04-006-01K	Ankle Instability Model, Kit	Soft Tissue Anterior talofibular ligament (ATFL), calcaneofibular ligament (CFL), deltoid/spring ligament, anterior inferior tibiofibular ligament (AITFL), tibiocalcaneal ligament (TCL), Achilles tendon
AMS-3DC-04-006-02D	Ankle Instability Model, Upper	Bone Tibia, fibula, talus, and navicular Soft Tissue Anterior talofibular ligament (ATFL), deltoid/spring ligament, anterior inferior tibiofibular ligament (AITFL)
AMS-3DC-04-006-03D	Ankle Instability Model, Calcaneus	Calcaneus Calcaneofibular ligament (CFL), tibiocalcaneal ligament (TCL), Achilles tendon
AMS-3DC-04-006-01T	AIM TRIMANO® puck assembly	TRIMANO puck



Learn more about
3DAnatomy™ models