ENCORIS™

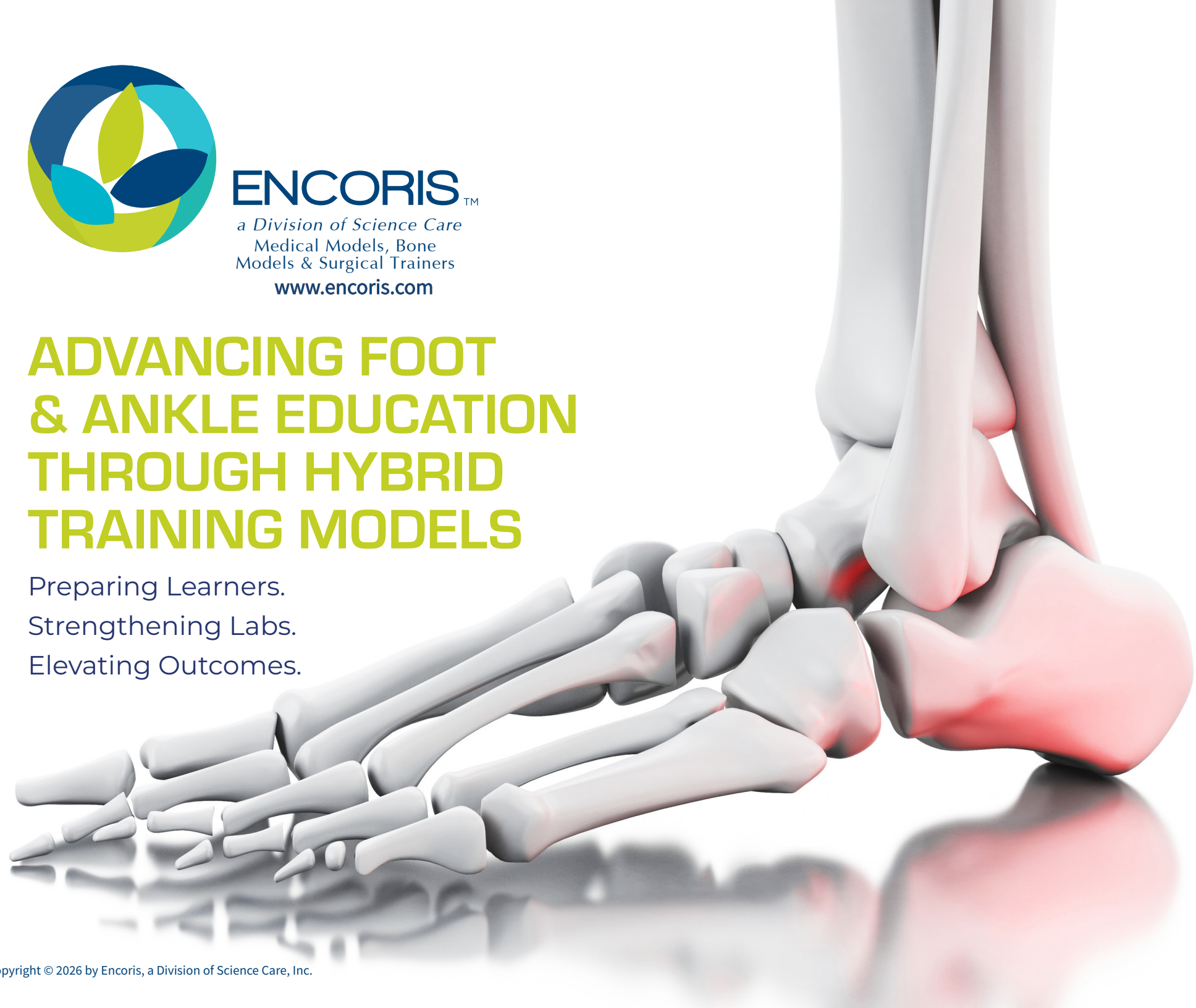
a Division of Science Care

Medical Models, Bone Models & Surgical Trainers

www.encoris.com

ADVANCING FOOT & ANKLE EDUCATION THROUGH HYBRID TRAINING MODELS

Preparing Learners.
Strengthening Labs.
Elevating Outcomes.



Models provide the blueprint; cadavers demonstrate the reality. Together, they prepare surgeons with precision, confidence, and compassion to improve *patient outcomes*.

THE CHALLENGE

FOOT & ANKLE EDUCATION

With our solutions, every learner can practice until ready. Every educator can teach with confidence — and every patient can trust.

AVAILABILITY & VARIABILITY

Cadaver tissue is the gold standard, but availability, anatomical variability, and strict venue requirements can limit training flexibility.

REPEATABILITY

Trainees often lack opportunities for repeated, hands-on practice.

PREDICTABILITY

Educators need high-quality, consistent anatomical platforms to teach effectively.

OPTIMIZATION

Hybrid approaches help maximize cadaver tissue use and enhance learning outcomes.

TRAINEES NEED PRACTICE,

not just observation.

THE HYBRID TRAINING OPPORTUNITY

1

Simlulation + Cadaver = Stronger Skill Development

- Hybrid training allows learners to rehearse critical steps in a repeatable, low-pressure environment before transitioning to the cadaver lab.
- This accelerates learning curves, reduces errors, and smooths the progression from simulation to real tissue.

2

Pre-Lab Practice Increases Confidence

- By practicing techniques beforehand, trainees enter the lab familiar with instrument handling, anatomical orientation, and procedural flow.
- Confidence rises, hesitation decreases, and cadaver sessions become more productive.

3

Post-Lab Practice Reinforces Techniques

- After the cadaver session, learners replicate the same steps on the model, locking in muscle memory while the experience is fresh.
- Repetition ensures long-term retention and skill mastery.

4

Extends Impact, Improves Efficiency & Outcomes

- Hybrid training maximizes the educational value of limited cadaver specimens.
- Educators can focus lab time on high-value steps, while models fill in gaps before and after.
- Results in stronger outcomes, more consistent performance, and better use of precious donor tissue.

Better Prepared. More Confident. More Skilled.

Hybrid training multiplies cadaver lab impact: Learners gain confidence, educators optimize lab time, and every step contributes to safer, more skilled surgical practice.

ADVANCED FOOT & ANKLE MODELS

Real Anatomy. Real Procedures. Real Readiness.

1

Multi-Procedure Platform

Supports total ankle arthroplasty, bunion correction, and customizable midfoot configurations based on client needs.

2

Realistic, Hands-On Experience

Skin and radiolucent soft tissues enable true-to-life exposures, dissections, and fluoroscopic imaging.

3

Full Anatomic Fidelity

Includes tibia, fibula, talus, fused foot bones, ligament complexes, joint capsules, retinacula, and key muscle-tendon units. ***Off-the-shelf available for TAA, Lapidus, bunion procedures, hammer toe, pilon fractures, medial mal, posterior mal, Weber B, and more.***

4

OR-Ready Realism

Ideal for implant placement, soft-tissue balancing, and intraoperative workflow practice.

A single platform that adapts to the way surgeons actually train - before, during, and after the cadaver lab - bridging simulation and real tissue for maximum skill development.

What's Inside: Comprehensive Ankle Model

Anatomy You Can Trust. Fidelity You Can Feel.

- Complete ankle & foot skeletal structures
- Ligament complexes: Deltoid, ATFL, PTFL, CFL, AITFL/PITFL
- Ankle and simplified subtalar joint capsules
- Superior and inferior extensor retinaculum
- Tibialis anterior, EHL, EDL muscles and tendons
- Radiolucent soft tissue and skin for realistic dissection and fluoroscopy

Additional soft-tissue structures and procedural variations available based on approach and fidelity requirements.

Fully-featured, fluoroscopy-ready anatomy that gives trainees the feel and functionality of the operating room - without the unpredictability - so every practice session builds real-world skill and confidence.

TAILOR YOUR TRAINING: ADD-ON OPTIONS

Expand your hybrid lab with optional modules that replicate the full range of foot and ankle surgical challenges.

1
BUNION TRAINING

FHL, FHB, adductor hallucis, sesamoids & ligaments, tibilasis anterior, EHL.

Replicate soft tissue management and osteotomy steps to build procedural confidence.

2
ARTICULATING 1ST RAY

MT & MTP Joint capsules.

Simulate joint motion and ligament balancing for accurate implant placement.

3
MIDFOOT

HB muscles/tendons.

Train on complex exposure and tendon management, even for rare pathologies.

4
HAMMER TOE

Practice deformite correction and tendon transfer techniques.

5
CUSTOM BONE DENSITY & DEFORMITIES

Prepare trainees for osteoporotic or patient-specific challenges.

Master Complex/Rate Procedures | Reinforce Skill Before & After Cadaver Labs | Build Confidence in Technique & Worklow | Reduce OR Surprises with Pre-Practice

Customize Every Case. Replicate Every Challenge.

Add-ons let you design a training platform that mirrors exactly what your learners need to master.

WHY MODELS ARE THE BEST CHOICE?

Real Anatomy. Real Procedure. Fully Customizable.

1

Multi-Procedure Platform

TAA, Bunion, Lapidus, hammer toe, pilon fractures, customizable midfoot.

2

Highly Realistic Surgical Experience

Skin and radiolucent soft tissues allow true-to-life approaches.

3

Full Anatomic Fidelity

Bones, ligaments, joint capsules, retinacula, key muscles/tendons.

4

Customizable to Your Training Needs

Bone density, deformities, soft tissue, add-ons.

5

OR Ready Training

Implant placement, soft-tissue balancing, intraoperative workflow.

6

Reliable & Reproducible

Consistent anatomy for repeated practice.

Combines realistic anatomy, procedural flexibility, and customization-giving educators and trainees a dependable platform that maximizes learning and prepares surgeons for real-world outcomes.

Benefits of Advanced Foot & Ankle Models

Train Better.
Repeat More.
Master Faster.

- Enchances cadaveric education
- Consistent, standardized anatomy
- Controlled environment for exposures, ligament balancing, implant workflows
- Radiolucent soft tissues for fluroscopy
- Customizable rate cases
- Durable for multi procedure use
- Optimized for workshops, hands-on courses
- Reduces logistical constraints

Amplifies training impact, ensuring learners gain confidence, mastery, and practical experience without limits.

ENCORIS™

a Division of Science Care

Medical Models, Bone Models & Surgical Trainers

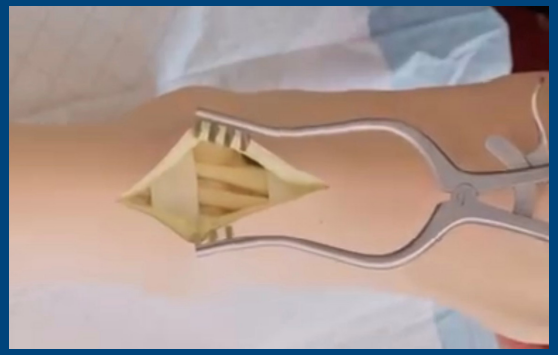
www.encoris.com

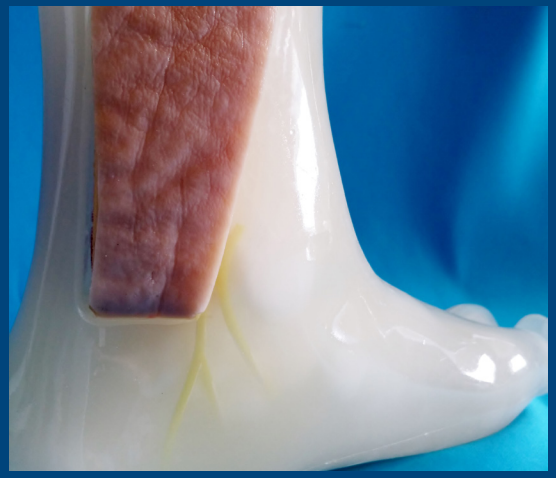
Your Partner in Surgical Excellence

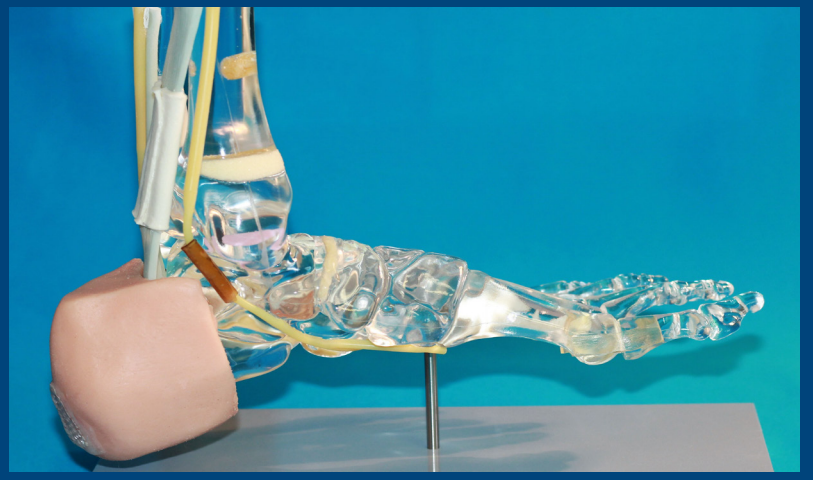
- Industry leader in hybrid anatomical training solutions
- Comprehensive, customizable models
- Experienced team collaborates with educators
- Reliable, reproducible, durable models
- Proven impact: enhanced confidence, improved efficiency, better outcomes

Together, we can create a customized training experience that strengthens labs, prepares surgeons, and improves patient outcomes.

Training Solutions Designed to Meet Your Needs

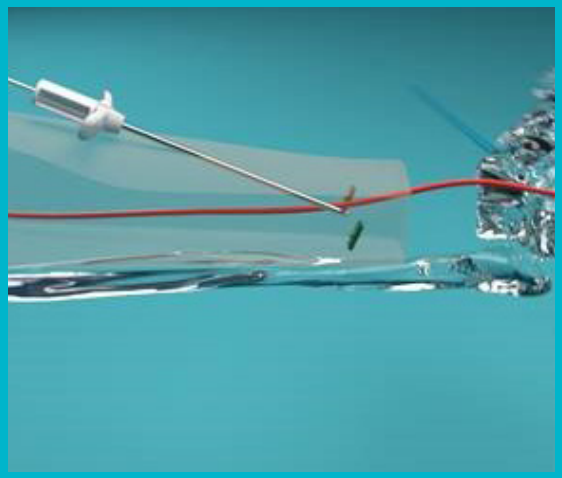




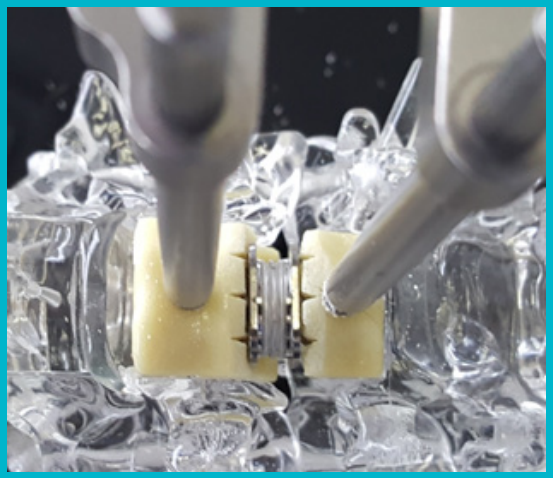


Customizable Features: Designed for Your Unique Needs

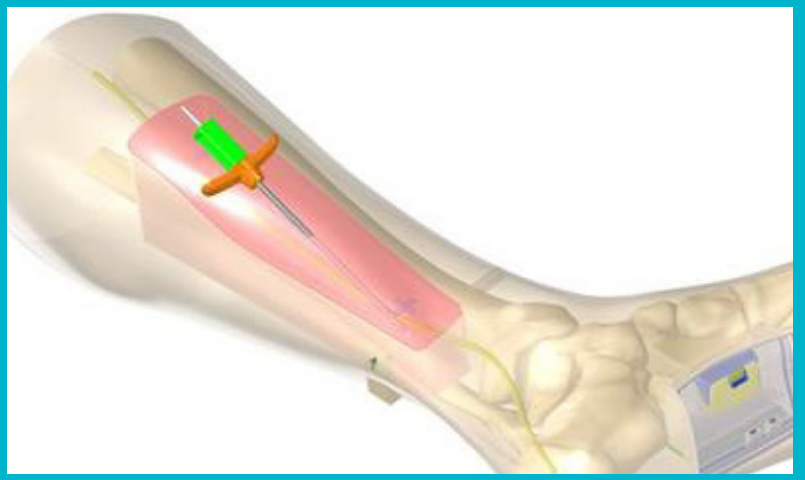
Proximity Sensor



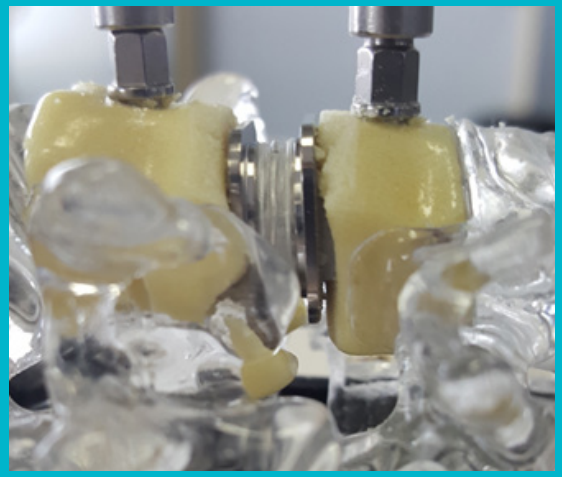
Replaceable Bone Modules

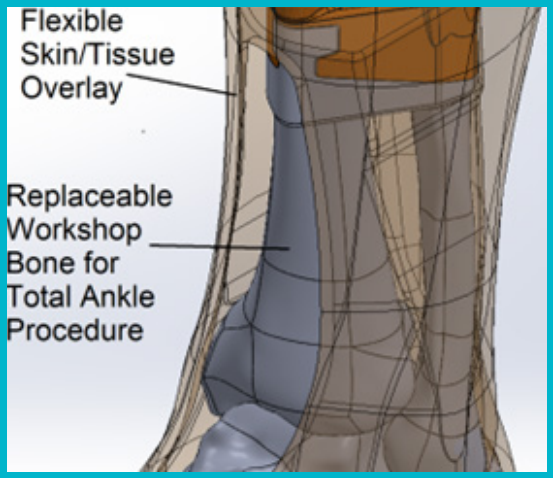


Proximity Sensor



Replaceable Bone Modules





Replaceable Muscle with Pre-Embedded Incisions

What's Next?

Key Considerations When Partnering With Our Team to Design Your Custom Trainer

1. What are the main goals of the training sessions (skills development, device demonstration, etc.)?
2. Which procedure(s) will be performed on the trainers?
3. Will the training focus be on forefoot, midfoot, hindfoot, ankle, or a combination?
4. Will support be needed for soft tissue dissection, osteotomies, hardware placement, or arthroscopy?
5. Are there specific implants or devices Encoris should ensure compatibility with?
6. Any specific pathologies required (bunion, hammertoe, etc.)?
7. How many procedures should each trainer support?
8. Is compatibility with C-arm, arthroscopy towers, power tools, specific OR tables, or stands for the models needed?

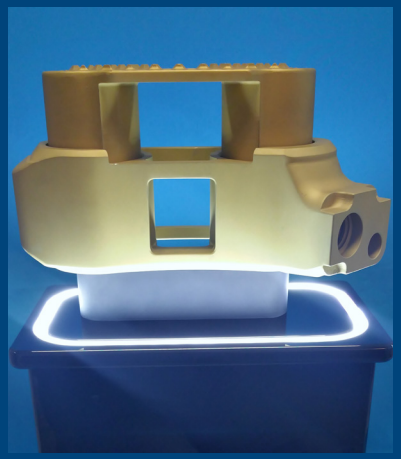
Addendums

Supplementary Information on Product Offerings

CUSTOM DISPLAYS

Custom designs, perfect for trade shows, medical society meetings, medical offices, patient education

- Crystal clear, anatomically accurate implanted bone models on branded bases for a polished, professional presentation
- Organized tabletop displays designed to highlight biologics, pharmaceuticals, or medical instruments
- Scaled or enlarged replicas of implants and hardware



FLEX BONES

Flexible. Durable. Customizable.

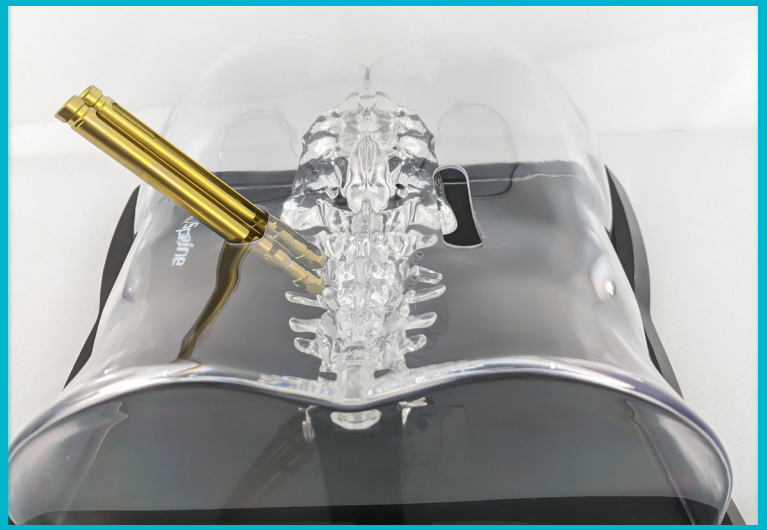
- **Built to Last:** Flexible, unbreakable, and field-ready.
- **Customizable:** Tailored to your implants and pathologies.
- **Cost-Effective:** Up to 40% more affordable than acrylic models.
- **Sustainable:** Reusable for long-term performance.

Redefining what's possible with strong, versatile, accessible, and sustainable solutions that help learners master skills, educators teach with certainty, devices be fully understood, and patients feel secure in their care.

The clear choice for powerful, hands-on orthopedic presentations.

FLEXBONE DEMO VIDEO

bitly



SURGICAL TRAINERS

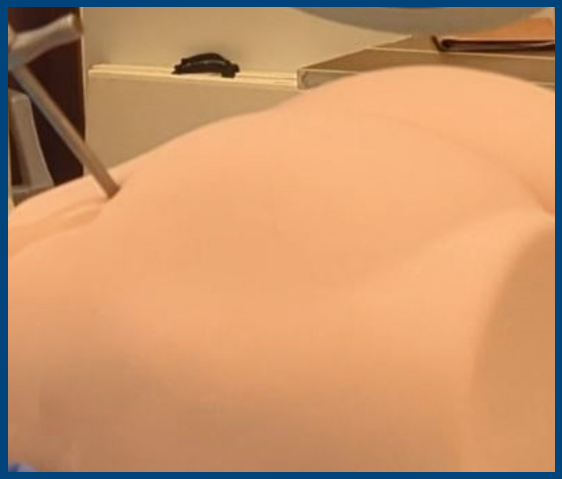
Anatomically accurate, off-the-shelf models designed to deliver true-to-life haptic feedback and clear imaging.

Accelerates hands-on skills development

Boosts physician confidence and patient trust

Enhances sales training and communication

Trusted by industry leaders to meet training goals, support innovation, and launch devices on schedule.



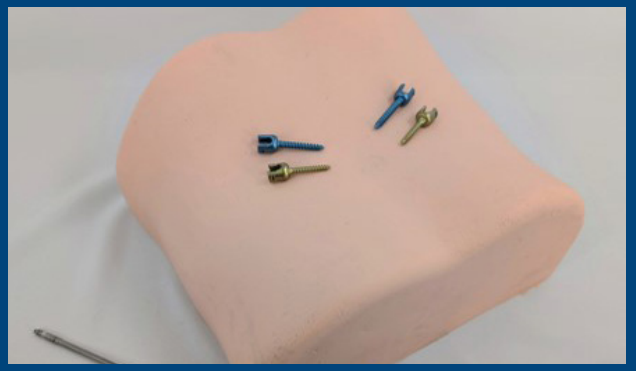
Pelvis/SIJ Trainer

Ideal for SIJ injection or fixation procedure training

Lower Torso

Ideal for a wide array of lumbar MIS procedure training

Realistic. Reliable. Ready to Train.



PNS Bundle

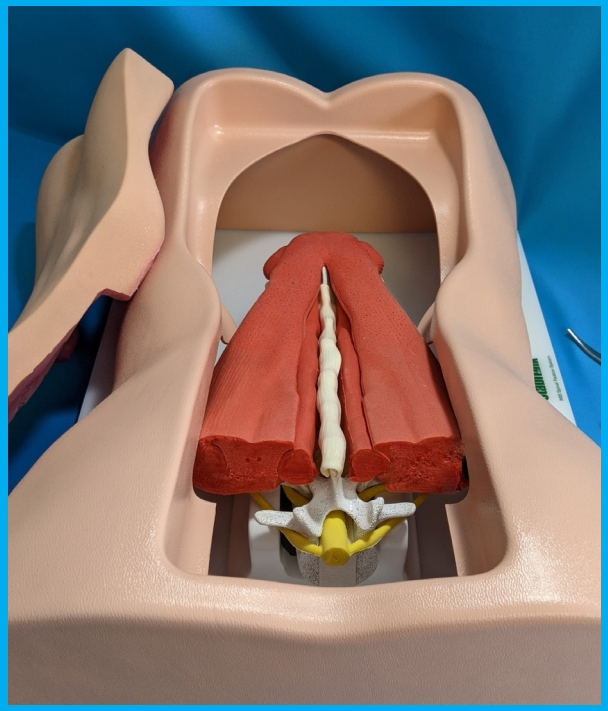
Shoulder, lumbar, and cervical with occiput models—ideal for PNS and injection training, available as a set or individually

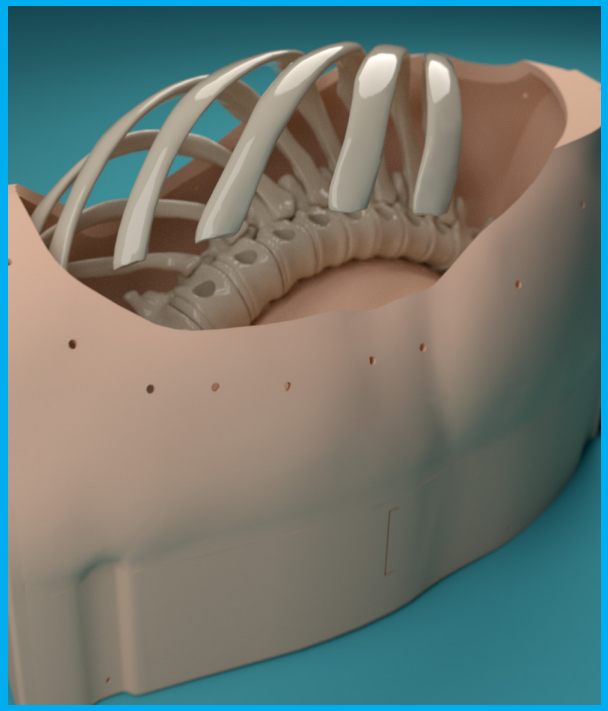
PATHOLOGY-SPECIFIC TASK TRAINERS

Elevate your surgical training

Encoris delivers realistic, reusable trainers tailored to your device and procedure—boosting surgeon confidence and speeding adoption.

- **Anatomically Accurate:** Based on real human anatomy and your implant CAD data
- **Efficient & Cost-Effective:** Focused on specific surgical tasks for repeatable training
- **Impactful Demos:** Enhances device training and accelerates market entry





The Standard in Surgical Task Training

MEDICAL DEMO CASES

Show Up Prepared. Stand Out with Confidence.

Encoris demo cases are custom-designed to protect, organize, and showcase your medical devices—making every sales presentation seamless and professional.

Delivering Confidence in Every Demo

- **Durable & Versatile:** Soft nylon, blow-molded, and Pelican-style options
- **Custom Fit:** Precision foam inserts for secure, organized transport
- **Brand-Ready:** Custom colors, hardware, logos, and nameplates available
- **Integrated Impact:** Incorporate Encoris bone models to elevate hands-on demonstrations
- **Built to Impress:** Ideal for sales calls, trade shows, and physician meetings

QUESTIONS & ANSWERS

QUESTION	ANSWER
How **realistic** are the models compared to cadavers?	Encoris delivers **highly realistic, repeatable, and cost-effective alternatives** to cadaver tissue - customized to replicate human anatomy and performance for surgical training and demonstration.
Are these models suitable for **hands-on surgical training** as well as demonstration?	Yes. Our trainers are designed to support **hands-on procedural training** as well as visual demonstration, and can be customized to match your specific training goals.
How **durable** are the models?	Our models are built for repeated use with **long-term durability**, making them ideal for ongoing training and demonstrations. For added protection, custom cases are available.
What **procedures** are your models and trainers best suited for?	Our models and trainers support a **wide range of procedures** across specialties such as spine, orthopedics, neurology, and pain management. If you do not see what you are looking for, just ask!
Do your models and trainers require special **storage** or **handling**?	No special storage is needed -- just avoid **extreme temperatures** to extend the model's lifespan.
How do the **costs** of the models and trainers compare to cadaver-based training?	Our reusable models and trainers offer **long-term cost efficiency** while complementing cadaver-based training, helping reduce setup, cleanup, and disposal costs without completely replacing the hands-on cadaver experience.
Can the products be shipped **internationally**?	Yes, we ship **worldwide** and can help coordinate international logistics.
What **support** do you provide?	We provide **training, engineering, maintenance, and ongoing support** throughout your journey.