



COVER

Locate. Visualize. Retrieve.

Concept-stage medtech investment opportunity for a portable endoscopic retrieval platform in critical trauma care.

Stage

Concept / pre-prototype

Need

Capital + partners

Goal

Functional prototype

ECHOEXTRACT™

ENDOSCOPIC RETRIEVAL SYSTEM

LOCATE. VISUALIZE. RETRIEVE.

A next-generation medical device concept designed to locate, visualize and safely retrieve foreign bodies from traumatic wounds.





PROBLEM

The risk is not retrieval. The risk is blind retrieval.

Foreign bodies embedded in traumatic wounds may be difficult to see, localize and remove safely.





- Limited visibility in soft tissue wounds
- Fragmented workflow across separate tools
- Time pressure in trauma and emergency environments
- Clinical and regulatory risk must be validated before use



THE PROBLEM

FOREIGN BODIES IN TRAUMATIC WOUNDS ARE HARD TO FIND. HARD TO SEE. HARD TO REMOVE.

Current methods are limited, slow and carry risks. Every minute increases the chance of complications.



<p>LIMITED VISIBILITY</p> <p>Foreign bodies are often not visible on the surface. Imaging can be unclear or unavailable in real time.</p> 	<p>IMPRECISION & RISK</p> <p>Blind exploration increases the risk of damaging blood vessels, nerves and healthy tissue.</p> 	<p>OUTDATED APPROACH</p> <p>Traditional forceps, probes and baskets were not designed for today's complex trauma cases.</p> 	<p>TIME IS CRITICAL</p> <p>Delays increase complications, length of stay, costs and pressure on emergency resources.</p> 	<p>RISING CASES</p> <p>Trauma, accidents and conflict related injuries continue to rise worldwide.</p> 
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<p>THE IMPACT</p> <p>1.5M+ Emergency visits annually related to retained foreign bodies (estimated).</p> 	<p>\$3.5B+ Estimated annual cost of complications and extended care.</p> 	<p>2-4 DAYS Average increase in hospital stay due to delayed or incomplete removal.</p> 	<p>HIGHER RISK More complications including infection, chronic pain, reoperations and disability.</p> 	<p>WORSE OUTCOMES Incomplete removal can lead to long-term morbidity and reduced quality of life.</p> 
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<p>THE NEED IS CLEAR. Clinicians need a better way to locate, visualize and safely retrieve foreign bodies.</p> 	<p>A NEW STANDARD IS NEEDED. Precision. Control. Better outcomes.</p> 	<p>ECHOEXTRACT™ ENDOSCOPIC RETRIEVAL SYSTEM</p> 
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WHY NOW

Portable medical hardware is moving toward smaller, smarter systems.

Miniaturized imaging, portable displays, modular tools and emergency-care innovation create an opportunity to explore compact image-guided retrieval systems.

Endoscopy

Established device category

Trauma care

Workflow pressure

Field medicine

Portable need





SOLUTION

One workflow. Three critical actions.

ECHOEXTRACT™ is positioned around a simple product hypothesis: combine visualization, illumination and controlled retrieval into one portable platform.

- Locate the foreign body in a trauma-focused workflow
- Visualize through an integrated camera and display
- Retrieve under control using modular retrieval tips

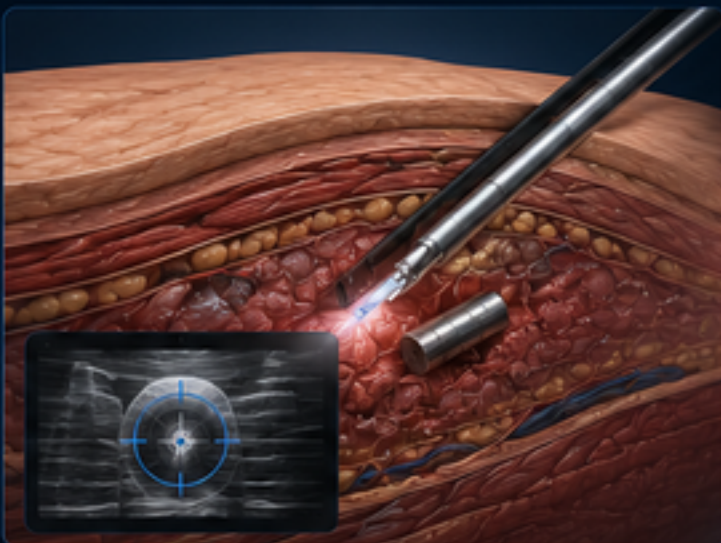
THE SOLUTION

LOCATE. VISUALIZE. RETRIEVE.™

An integrated endoscopic retrieval system for fast, safe and precise removal of foreign bodies in traumatic wounds.

1 LOCATE

Insert the ECHOEXTRACT™ system into the wound. The high-definition camera and LED illumination help you quickly identify the exact location of the foreign body.



- Precise localization
- Bright LED illumination
- Real-time guidance

2 VISUALIZE

High-definition endoscopic visualization provides a clear, magnified view of the foreign body and surrounding structures in real time.



- HD image clarity
- Magnified detail
- Real-time on-screen view

3 RETRIEVE

Use the interchangeable atraumatic tools to securely grasp and remove the foreign body through the working channel with maximum control and minimal tissue trauma.



- Atraumatic retrieval
- Interchangeable tools
- Minimize tissue trauma



ONE SYSTEM. MAXIMUM CONTROL. BETTER OUTCOMES.



PRODUCT CONCEPT

A handheld system concept, not a finished medical device.

White medical body, integrated LCD, surgical shaft, HD imaging, LED illumination, working channel and modular retrieval tips.

- Final mechanics require engineering validation before any clinical claims.

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CURRENT STATUS

Where the project stands today.

ECHOEXTRACT™ has a defined concept, visual direction and investor narrative. It now requires capital, engineering execution and medical consultation.

- Concept developed
- Pre-prototype stage
- First milestone: functional bench prototype
- Capital and specialist partners required

ECHOEXTRACT™ DEVICE
Central unit with integrated display, controls and rechargeable battery.

SURGICAL SHAFT (50 cm)
Stainless steel shaft with depth markings for precise insertion and control.

INTERCHANGEABLE TIPS
Atraumatic grasper, basket extractor, mini forceps and snare loop.

LCD DISPLAY
High-definition real-time visualization for clear and accurate guidance.

RECHARGEABLE BATTERY
High-capacity battery for extended operational use.

FAST CHARGER
Medical-grade charger for safe and efficient powering.

PROTECTIVE CASE
Durable, waterproof case for secure transport and storage.

COMPLETE. PORTABLE. READY.
Everything you need for precise foreign body retrieval.

SAFE & STERILIZABLE
All tips are autoclavable and medical-safe.

LIGHTWEIGHT DESIGN
Ergonomic and portable for any environment.

UP TO 3h OPERATION
Long-lasting battery for reliable performance.



PROTOTYPE DEMO VISION

The first prototype must prove the core experience.

The immediate technical goal is a functional bench prototype that demonstrates the most important assumptions before any clinical claims are made.

- Live camera feed on LCD
- LED illumination control
- Shaft handling and orientation
- Working-channel retrieval mechanism
- Synthetic tissue model testing

LCD INTERFACE CONCEPT

Clarity. Control. Confidence.

Real-time visualization and intuitive control at your fingertips.

HD VISUALIZATION
High-definition camera delivers clear, detailed real-time imaging.

LED BRIGHTNESS
Adjust illumination levels for optimal visibility.

ZOOM CONTROL
Digital zoom for precise visualization in tight spaces.

TIP POSITION
On-screen indicator shows tip orientation and position.



CAPTURE IMAGE
Save still images for documentation and review.

RECORD VIDEO
Record procedures in real time.

LIGHT CONTROL
Adjust LED intensity to suit the situation.

TIP SELECTION
Select the active tip or instrument.

SETTINGS
Access system settings and preferences.

HD CAMERA
120° wide angle high definition

ADJUSTABLE LED
0 - 100% brightness control

DIGITAL ZOOM
1x - 3x smooth zoom

DEPTH INDICATOR
Real-time depth measurement

TIP STATUS
Active tip visual feedback

BATTERY STATUS
Live battery level indicator.



DE-RISKING PLAN

Reduce risk milestone by milestone.

The first capital should fund validation of assumptions and development of a functional bench prototype.

- Clinical need validation with medical advisors
- Optics and visibility testing
- Tip mechanics and retrieval control
- Regulatory classification review
- IP and documentation strategy

INVESTMENT ASK

USE OF FUNDS

STRATEGIC INVESTMENT TO BUILD, TEST AND VALIDATE A FUNCTIONAL PROTOTYPE OF ECHOEXTRACT™



OUR GOAL

Build and validate a life-saving endoscopic retrieval system that sets a new standard in trauma care.



PROTOTYPE ENGINEERING
Mechanical design, electronics development, software and integration.

30%



MEDICAL CONSULTATION
Surgeon advisory board, clinical input, use-case validation and clinical strategy.

20%



TESTING & VALIDATION
Bench testing, phantom models, usability testing, performance validation and optimization.

15%



PARTNERSHIPS & OUTREACH
Strategic partnerships, investor relations, pilot programs and market access.

10%



REGULATORY STRATEGY
Risk analysis, regulatory pathway planning, compliance strategy and submissions.

10%



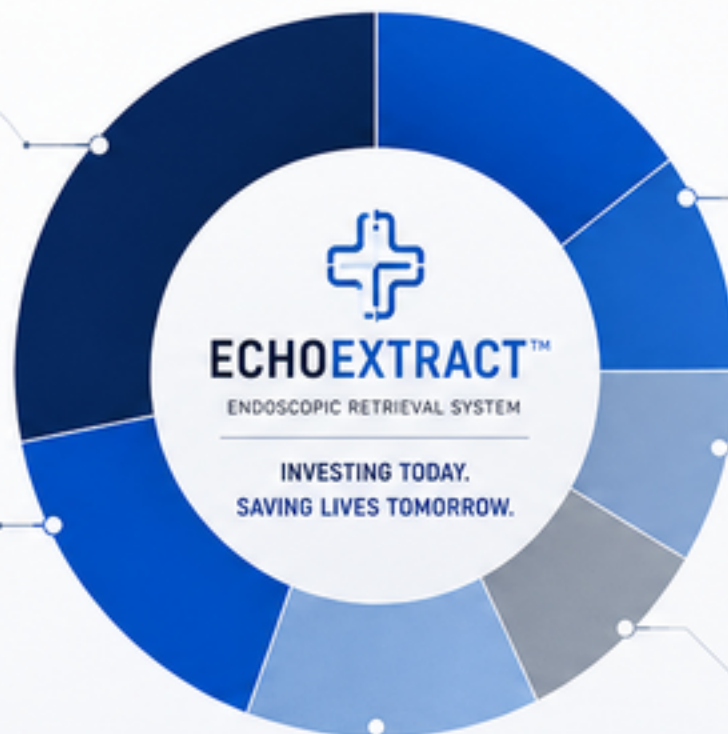
DOCUMENTATION & IP
Technical documentation, quality system, IP protection and publications.

10%



MANUFACTURING PREPARATION
Supply chain setup, tooling, production planning and cost optimization.

5%



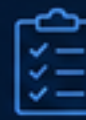
YOUR INVESTMENT WILL ENABLE



Build a functional prototype ready for real-world use.



Validate safety, efficacy and usability.



Prepare for regulatory submission.



Position for clinical trials and market adoption.



Create long-term value and global impact.



A SMALL INVESTMENT TODAY CAN DRIVE A MASSIVE IMPACT TOMORROW.

LET'S BUILD THE FUTURE OF TRAUMA CARE - TOGETHER.



BUSINESS MODEL

Multiple revenue streams. One medtech platform.

Long-term value can extend beyond device sales into recurring tips, sterile kits, service, training, licensing and partnerships.

BUSINESS MODEL

MULTIPLE REVENUE STREAMS

SUSTAINABLE GROWTH. LONG-TERM VALUE.

ECHOEXTRACT™ is a modular endoscopic retrieval system designed to generate multiple recurring and long-term revenue streams.



OUR MISSION

Deliver innovative tools that help clinicians save time, reduce risk and save lives.



OUR VISION

To become the global standard in endoscopic foreign body retrieval.



OUR COMMITMENT

Quality. Safety. Innovation. Built for real-world impact.



WHY THIS MODEL WORKS



DIVERSIFIED REVENUE
Multiple income streams reduce dependency on a single source and increase financial stability.



RECURRING REVENUE
Consumables, services and maintenance generate predictable, long-term cash flow.



SCALABLE GROWTH
Designed for global markets with high demand and significant growth potential.



STRONG VALUE
Addresses a critical need in trauma and emergency care with a differentiated technology.



PARTNER-DRIVEN
Collaborations accelerate adoption, reduce risk and unlock new market opportunities.



LONG-TERM IMPACT
Building a platform that improves outcomes and creates lasting value for patients and partners.



A STRONG FOUNDATION. MULTIPLE PATHS TO GROWTH. LASTING VALUE.



INVESTING IN ECHOEXTRACT™ MEANS INVESTING IN BETTER OUTCOMES AND A SUSTAINABLE FUTURE.



INVESTMENT ASK

Capital should fund a disciplined prototype and validation path.

Funding should be tied to concrete milestones: engineering, medical consultation, testing, regulatory strategy and documentation.

INVESTMENT ASK

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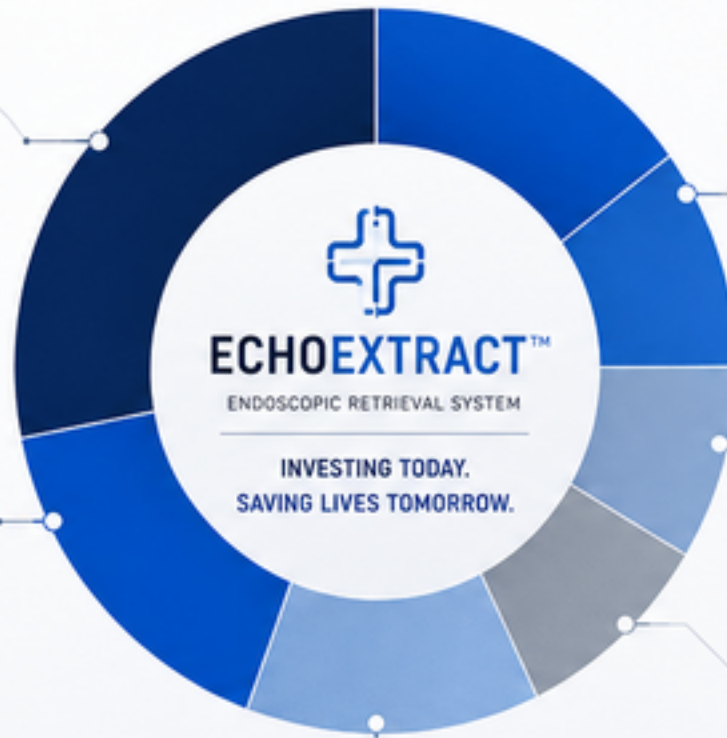
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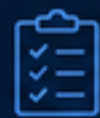
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REGULATORY + IP

Credibility depends on responsible medical-device development.

ECHOEXTRACT™ is not yet approved, certified or validated for patient use.

- Future development requires medical review, engineering validation, risk management and regulatory clearance.



REGULATORY PATHWAY

ECHOEXTRACT™ is being developed as a medical device with patient safety, clinical efficacy and regulatory compliance at the core of our mission.



OUR COMMITMENT
We are committed to following global regulatory standards to ensure ECHOEXTRACT™ meets the highest levels of safety, quality and performance.



GLOBAL STANDARDS
Design and development aligned with ISO 13485 and IEC 62304.



SAFETY FIRST
Risk management in accordance with ISO 14971.



PATIENT IMPACT
Built to improve outcomes and save lives in critical situations.

OUR PATH TO MARKET

A structured and responsible approach to bring ECHOEXTRACT™ to hospitals, trauma centers and emergency care teams worldwide.



Our goal is to deliver a safe, effective and innovative solution that meets global regulatory requirements and makes a real difference in trauma care.



ISO 13485
CERTIFIED QMS



PATENTED INNOVATION

INTELLECTUAL PROPERTY PROTECTION

ECHOEXTRACT™ is a unique and novel endoscopic retrieval system protected by intellectual property.



PATENT APPLICATION FILED
The ECHOEXTRACT™ system is protected by a patent application covering its novel design, function and mechanism.



GLOBAL PROTECTION
Patent protection is pursued in key markets worldwide to secure our technology and future opportunities.



UNIQUE & NOVEL DESIGN
Our innovative atraumatic retrieval mechanism and integrated system architecture provide a significant advantage in the market.



BUILT FOR IMPACT
Strong IP protection ensures the value of our technology and supports partnerships, investment and global expansion.



PROTECTED TODAY. SAVING LIVES TOMORROW.

INNOVATION. PROTECTION. IMPACT.



ECHOEXTRACT™
ENDOSCOPIC RETRIEVAL SYSTEM



VALUE CREATION

Future routes may include licensing, co-development or acquisition.

A validated functional prototype could create strategic value for companies in endoscopy, trauma care, emergency medicine, field medicine and medical visualization.

Licensing

Established medtech players

Co-dev

Engineering + clinical partners

Acquisition

After milestone validation





FOUNDER + NEED

Created by Adam Adamski. Built for serious development with the right partners.

Adam Adamski is an independent concept creator focused on practical technologies for safety, emergency response and human survival.

- Capital for functional bench prototype
- Medical advisory from trauma and emergency experts
- Engineering partner for optics, mechanics and interface
- Regulatory and IP specialists

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NEXT STEP

Start the investor conversation.

ECHOEXTRACT™ is a concept-stage opportunity. The immediate goal is not commercial deployment. It is to build and validate a functional bench prototype with the right medical, engineering and investment partners.

- Request the private investor deck
- Discuss NDA access and prototype partnership
- Review medical advisory and engineering roadmap
- Explore investment, licensing or co-development options

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