



**AMT**  
ACTION MEDICAL TECHNOLOGIES



**WHEN  
LIVES  
COUNT**

**COUNT ON AMT**

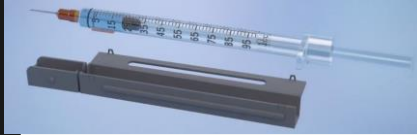
**“AMT Intradermal Injector System”**

## WHO WE ARE

Action Medical Technologies (AMT) is an innovative, micro-small business, specialty pharmaceutical company that has developed proprietary injector platforms for a broad range of therapeutics and vaccines to meet the complex needs of medical personnel and first responders.

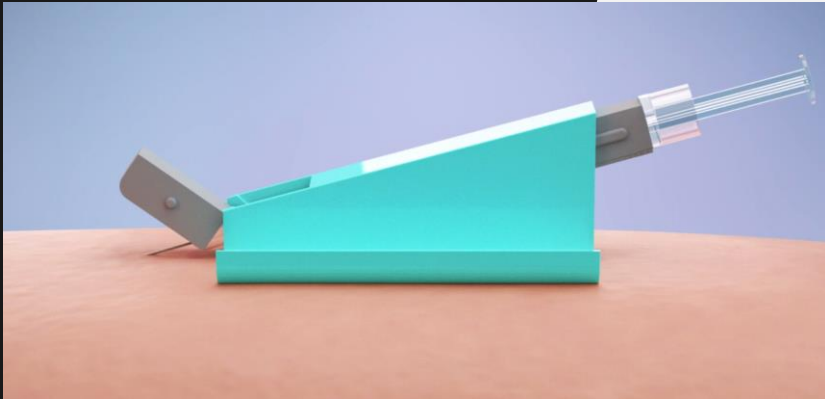
**AMT is uniquely positioned to deliver life-saving solutions.**

<https://ActionMedicalTech.Com>



## SUMMARY

# INTRADERMAL INJECTOR SYSTEM FUNCTIONALITY



The Intradermal Injector System is a state-of-the-art simplified solution for Intradermal Injection designed for ease-of-use and perfect technique with minimal training.

Useful across a broad range of vaccines and intradermal medications.

The unique design enables perfect Mantoux technique – automatic injection depth control, needle-safe, low-cost, and potential dose-sparing within the existing supply-chain.

## PROBLEM

# MANTOUX TECHNIQUE & MICRONEEDLES



## Mantoux Intradermal Technique

- Requires skilled and fully trained staff
- Prone to errors due to stability while administering medication.
- Prone to depth and needle placement errors
- No “stop” to verify placement
- Sharps risk

## Microneedle Risks

- Insertion - geometry, tip diameter, sharpness, length, interspace, application velocity and force
- Compatibility – biocompatibility, preload stability, biodegradability
- Loading – capacity, dose accuracy, load stability
- Fabrication – reproducibility, sterilization, package, costs
- Safety – irritation, sensitization, immune response
- Regulatory – clinical adaptation and approval

**SOLUTION**

# AMT INTRADERMAL INJECTOR SYSTEM

## **AMT INTRADERMAL INJECTOR SYSTEM**

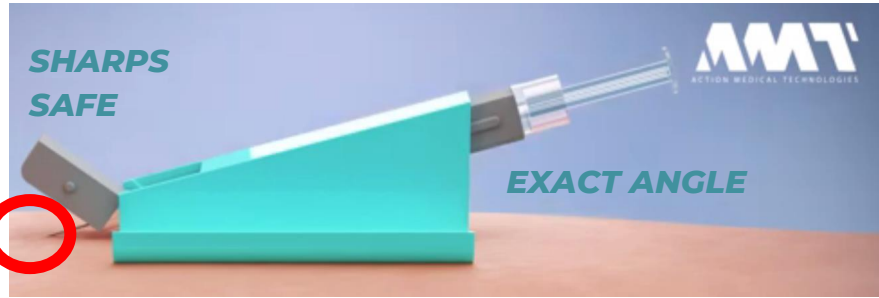
Engineered to address the limitations of currently available products.

Provide simple, easy-to-use, system which almost anyone can administrater.

A simplified design assures reliability, universality, use of existing supply chain, potential dose sparing, and **extended shelf-life without risk of mechanical failure.**



# INTRADERMAL INJECTOR SYSTEM



**SHARPS  
SAFE**

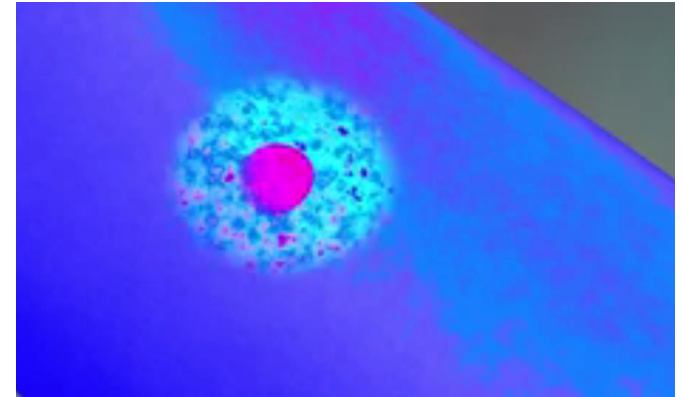
**EXACT ANGLE**



**CORRECT DEPTH**



**INJECTION  
WHEEL**



**SYSTEMIC  
REACTION**

# INTRADERMAL INJECTOR SYSTEM VIDEO

<https://www.youtube.com/watch?v=xsRWwlqMIIA>

- 1 Minute Video
- Intradermal Injection
- Typically for Vaccines
- Perfect Mantoux technique
- Needle safe
- Minimal training
- Medication agnostic
- Up to 90% dose sparing



# STRATEGIC PARTNERS





## Decades of Medical Experience



### **SES II (Ret) Douglas W. Bryce**

48 years of service. U.S. Government Joint Program Executive Officer, CBRN; acquisition for all chemical, biological, radiological requirements; managed all medical diagnostics, drugs, and vaccines; team of over 1,100 professionals and SMEs. U.S.M.C.

### **GEN (Ret) Barbara Holcomb**

U.S. Army Major General (Ret) served 33 years as a leader in Nursing, Healthcare, Medical Research, and Logistics. Deployed multiple times to Iraq and northern Macedonia. Commanding General, Medical Research and Materiel Command and 25th Chief, Army Nurse Corps. Continues to serve as volunteer clinical nurse in Brooke Army Medical Center Emergency Department.

### **Dr. Robert Kadlec, MD**

Former Assistant Secretary for Preparedness and Response (ASPR) at the U.S. Department of Health and Human Services with over 26 years as physician and U.S. Air Force officer. Dr. Kadlec has held senior positions in the White House, the U.S. Senate, and DoD. He specializes in biodefense, counterproliferation policy, CBRN, and national security and has accomplished goals through federal, state, and local partnerships. He has been honored as an Air Force Flight Surgeon of the Year, was a flight surgeon for the 16th Special Operations Wing, later became a surgeon with the 24th Special Tactics Squadron and was Special Assistant to J-2 for ChemBio to JSOC. Dr. Kadlec holds multiple medical degrees, is a graduate of the U.S. Air Force Academy, and has a master's degree in National Security from Georgetown.

### **CAPT (Ret) Dr. Frank Butler, MD**

US Navy SEAL; SOCOM Command Surgeon; Creator and Chair of CoTCCC - Committee on Tactical Combat Casualty Care; Chief of Pre-Hospital Care US Army Institute of Surgical Research - Joint Trauma System.

### **COL (Ret) Clinton George, DVM, DACVPM**

Chief of Radiology. Chief of Military Working Dog Procurement for DOD and TSA. Prior assignments include 19th Special Forces Group, 3d SFG (A), 64th Medical Detachment (VS), duty at 10th SFG (A) / Special Operations Command Europe, 1st SFOD Delta. Also assigned to Departments of State, Interior, Justice, and Homeland Security and over 8 years deployed to 56 nations, Co-Author K9TCCC Guidelines; published peer reviewed journal articles and taught thousands of medics.

### **COL (Ret) Dr. Robert Mabry, MD, MBA**

Emergency Physician with 35+ years' experience as a military medic, civilian paramedic, EMS medical director, educator, researcher, and policy maker. He is the former Principal Deputy Assistant SecDef for Health Affairs and also served as the Joint Special Operations Command Surgeon. A former Airborne Ranger and Green Beret, he has deployed multiple times including to Mogadishu, Somalia where he was awarded the Distinguished Service Cross and Purple Heart. Dr. Mabry is also a Robert Wood Johnson Health Policy Fellow and a past president of the Special Operations Medical Association.



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