CATALOGUE 2027

POLICE FORCE

Unbeatable Rapid Haemostatic Dressing
Reengineering Survival, Seconds Matter.

UNBEATABLE
NEVER STOP WINNING



is not China

Stand With Ukraine

BE STRONG AND COURAGEOUS. DO NOT BE AFRAID; DO NOT BE DISCOURAGED FOR THE LORD YOUR GOD WILL BE WITH YOU WHEREVER YOU GO. - NIV JOSHUA 1 : 9

ABOUT US

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Unbeatable Rapid Haemostatic Dressing
Reengineering Survival, Seconds Matter.

Corporate :	Medge Healthcare Manufacturing Sdn Bhd
Brand :	UNBEATABLE
Founder :	CH LIM
Establishment :	April 2024
Head Office :	Kuala Lumpur, Malaysia
Manufacturing :	Malaysia
Website :	www.medgehealthcare.com

We are not just manufacturing Rapid Haemostatic Dressings; we are re-engineering survival.

In Malaysia, Singapore and Philippines, we renamed Unbeatable Rapid Haemostatic Dressing as Unbeatable Gauze with Clot Control.



Global Network | Strategic Trust | Rapid Response | Innovative R&D | Life Savior

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Police Bleed We Stop It



Unbeatable Rapid Haemostatic Dressing (URHD) is a next-generation bleeding control solution engineered specifically for high-stakes law enforcement, tactical operations, and active shooter responses.

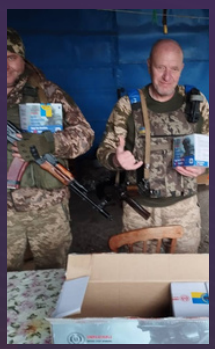
Designed to halt severe hemorrhaging in as fast as 30 seconds, it significantly boosts survival rates for critical junctional bleeding - such as groin and axillary wounds where traditional tourniquets cannot be applied. FDA-certified, biocompatible, and intuitively designed for rapid wound packing under extreme stress, Unbeatable empowers patrol officers and tactical teams to decisively stabilize life-threatening injuries until EMS arrives. Invented by Malaysians and proudly made in Malaysia, Unbeatable represents local innovation delivering a global impact on officer survival - because on the line of duty, speed saves lives.

TRUSTED & TESTED

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Trusted Where It Matters Most

In the most demanding environments on earth, Unbeatable Rapid Haemostatic Dressing provides the critical edge needed to save lives. Our products are rigorously tested by frontline personnel and medical professionals who face life-and-death situations every day.











Battle-Tested Excellence

From urban emergency response to the most challenging terrains, our technology is proven to deliver rapid hemorrhage control. We are proud to support those on the frontlines with medical solutions that are not just tested in labs, but proven in action.

UNBEATABLE RAPID HAEMOSTATIC DRESSING

Unbeatable Rapid Haemostatic Dressing (URHD) is engineered to align with TCCC operational requirements for hemorrhage control. The product is:

- **Effective in severe arterial bleeding scenarios**, consistent with TCCC-defined massive hemorrhage conditions
- **Designed to support rapid wound packing and sustained compression**, including use in junctional areas where tourniquets are not applicable
- Suitable for use by **first responders, soldiers, and non-medical personnel** under high-stress, low-visibility environments
- Developed with consideration for **battlefield reliability**, ensuring stable performance across variable and extreme conditions



TCCC COMPLIANCE

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Category	Requirement	Technical Description	Yes?
Hemostatic Performance	Massive hemorrhage control	Ability to rapidly control life-threatening bleeding	Y
	Arterial bleeding effectiveness	Proven effectiveness in arterial hemorrhage	Y
	Clot stability	Maintains stable clot under sustained pressure	Y
	Anti-washout capability	Effective under high-flow bleeding conditions	Y
	Time to hemostasis	Documented time-to-hemostasis data	Y
Wound Applicability	Wound packing capability	Suitable for wound cavity packing	Y
	Deep wound applicability	Effective in irregular/deep wounds	Y
	Junctional hemorrhage	Suitable for groin, axilla, neck injuries	Y
	Non-tourniquet scenarios	Effective where tourniquets cannot be applied	Y
Ease of Use	Non-medical usability	Usable by soldiers or civilians with minimal training	Y
	One-hand operation	Can be opened and applied with one hand	Y
	Low-visibility usability	Usable in dark or high-stress environments	Y
	Simple application	Minimal and intuitive steps	Y
	Rapid packing design	Z-fold or equivalent design for quick application	NA
Safety Profile	No exothermic reaction	Does not generate heat during application	37C
	No tissue damage	Does not cause tissue necrosis	Y
	Debridement compatibility	Easily removable during surgical treatment	Y
	Biocompatibility	Non-toxic, low allergenic risk	Y
Environmental Stability	Temperature resistance	Stable under extreme heat and cold	Y
	Shelf life	Long and validated shelf life	Y
	Protective packaging	Waterproof and contamination-resistant	Y
	Multi-environment suitability	Suitable for desert, jungle, battlefield conditions	Y
Tactical Integration	TCCC compliance	Aligned with Committee on Tactical Combat Casualty Care guidelines	Y*
	MARCH protocol alignment	Supports Massive Hemorrhage priority	Y
	Tourniquet compatibility	Can be used alongside tourniquets	Y
	Pressure dressing compatibility	Works with pressure bandages	Y**
Clinical Validation	Preclinical/clinical data	Supported by animal or clinical studies	Y
	Hemostasis metrics	Quantified performance data	Y
	Efficacy rate	Documented success rate	Y
	Regulatory compliance	FDA, CE, or equivalent approvals	IP***

Tactical Combat Casualty Care (TCCC) establishes that hemorrhage control is the first and most critical priority in prehospital battlefield medicine.

Within the **TCCC MARCH** algorithm, **Massive Hemorrhage (M)** is addressed before airway, respiration, circulation, and hypothermia management, underscoring the decisive impact of rapid bleeding control on survivability.

TCCC-compliant hemostatic solutions are therefore required to meet three core operational principles:

1. **Battlefield usability** under austere and high-threat conditions
2. **Reliability in extreme environments** (temperature, humidity, contamination)
3. **Rapid and effective control of life-threatening hemorrhage**, including arterial bleeding

In alignment with TCCC and CoTCCC guidelines, a compliant hemostatic dressing must enable immediate intervention by ***non-medical personnel, support wound packing for deep or junctional injuries, and maintain hemostatic efficacy under sustained direct pressure in high-flow bleeding scenarios***.



SOLUTIONS TO 5 TACTICAL POLICE CHALLENGES

1 First Responder Isolation (The "Golden Minutes")

The Difficulty: Police officers are almost always the first to arrive at high-risk incidents (such as active shooters). Because Emergency Medical Services (EMS) will not enter a "Hot Zone" until the threat is neutralized , an injured officer may have to wait 5 to 15 minutes for professional medical extraction. Since a person can bleed out in under 3 minutes, this isolation is highly critical.

The URHD Resolution: URHD stops severe bleeding in just 30 seconds without needing a medic present. It effectively "buys the Golden Minutes" necessary to keep an officer alive while waiting for extraction.

2 Exposed Vulnerable Anatomy (Junctional Bleeding)

The Difficulty: Standard concealable body armor (Level II or IIIa) worn by police only protects the center mass, leaving critical vascular junctions exposed. Modern police casualties frequently involve high-pressure arterial gunshot wounds to no-tourniquet zones like the groin (femoral artery), armpit (axillary artery), or neck (carotid artery).

The URHD Resolution: URHD acts as a "Junctional Bleeding Specialist". Its biochemical independence allows it to safely seal these high-pressure, no-tourniquet zones where standard combat gauze typically fails due to its strict 3-minute hold requirement.

3 High-Stress Self-Rescue Deterioration

The Difficulty: In life-or-death encounters, extreme physiological stress destroys an officer's fine motor skills, making complex medical procedures impossible to perform on oneself. If shot in an extremity, an officer must be able to treat themselves while simultaneously holding a weapon or maintaining a perimeter. Traditional combat gauze requires deep, precise wound packing and a 3-minute hold, which a disoriented, wounded officer cannot achieve.

The URHD Resolution: URHD features a "No Packing" advantage. It empowers self-rescue because it is intuitive, works immediately on contact, and requires minimal pressure time-allowing an officer to stay in the fight.

4 Mass Casualty Incident (MCI) Flow

The Difficulty: In active shooter or mass casualty events, a single officer may encounter 5 or more victims simultaneously. Spending 90 seconds packing a wound and another 3 minutes holding pressure on just one victim means the remaining four victims could easily bleed out before receiving help.

The URHD Resolution: URHD serves as a "Force Multiplier". Because it has a rapid 30-second set time, it allows a single officer to stabilize a victim and move on to the next person 9 times faster than traditional hemostatic agents.

5 Overburdened Duty Gear (Belt Real Estate)

The Difficulty: Police officers carry an overwhelming amount of heavy gear, weighing between 9.07 kg and 13.61 kg (20–30 lbs). If a medical kit is too bulky, an officer will leave it behind in the patrol car. When an incident occurs hundreds of yards away inside a building, a kit left in the car becomes entirely useless.

The URHD Resolution: URHD features a highly compact, vacuum-packed, lightweight design. One pouch can replace five packs of standard combat gauze. It is small enough to fit easily into a cargo pocket or a slim individual first aid kit (IFAK), ensuring lifesaving protection is always carried directly on the officer's person.

TRAUMATIC WOUNDS

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Open Fractures with Severe Bleeding

High-impact trauma, such as from vehicle accidents or falls, can result in open fractures accompanied by life-threatening hemorrhage.

Gunshot Wounds (GSW)

These are primary threats in law enforcement operations, often involving high-pressure arterial or venous bleeding that can lead to rapid exsanguination if not treated within seconds.

Blast Injuries

In scenarios involving improvised explosive devices or tactical breaches, officers can suffer from complex blast wounds that combine severe bleeding with tissue damage.



Resolves ALL

Stab and Incised Wounds

Officers may encounter deep lacerations or puncture wounds from knives or other sharp objects during close-quarters struggles.

Junctional Hemorrhage

Because police body armor often leaves the neck, axillary (armpit), and inguinal (groin) areas exposed, officers are vulnerable to life-threatening bleeding in these no-tourniquet zones.

Wounds Under Physiological Compromise

Officers may be treating victims (or themselves) who are in shock, hypothermic, or taking anti-coagulant medications (like blood thinners), which severely impairs the body's natural ability to form clots.

UNBEATABLE IFAK

Battle-Ready Protection for the Individual.

In high-stakes environments, self-reliance is the key to survival. The Unbeatable IFAK is a premium-grade individual first aid kit engineered for those on the front lines. Featuring our military-standard Rapid Haemostatic Dressing, this kit is designed to provide immediate, life-saving intervention for traumatic injuries when every second counts

IFAK

Compact. Rugged. Life-Saving.

- **Military-Grade Performance**: Equipped with advanced technology that stops lethal bleeding in 30 seconds.
- **Tactical Design**: Housed in a durable, heavy-duty pouch that can be easily attached to belts, vests, or tactical gear for instant access.
- **Comprehensive Contents**: Beyond specialized dressings, it includes essential trauma tools needed for field stabilization in particular Unbeatable Rapid Haemostatic Dressing Military Grade 50g and 100g.
- **Reliable in Extremes**: Built to perform in harsh conditions, ensuring you are prepared for any combat or emergency scenario.



UNBEATABLE TRAUMA BANDAGE

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Why the Unbeatable Trauma Bandage is Built for Police Operations

- Engineered for Tactical Chaos: When fine motor skills deteriorate due to high stress, you cannot afford to fumble with complicated medical gear. The Unbeatable Trauma Bandage features a foolproof, integrated pressure applicator and closure clip. It combines a dressing, elastic bandage, and closure system into one single, sterile unit that can be applied rapidly - even under extreme stress or with one hand.
- Combat-Ready Combativeness: It delivers immediate, direct mechanical pressure to the wound site, acting as a secondary defense mechanism to maintain clot integrity while you are on the move or returning fire.
- Rugged & Space-Saving: Vacuum-packed to ultra-compact dimensions (6 inch W×15cm L), it slips seamlessly into an Individual First Aid Kit (IFAK), tactical vest, or patrol car door panel without adding unnecessary bulk.

The Perfect Dynamic Pair: Why They Are Truly "Unbeatable" Together

While the Unbeatable Rapid Haemostatic Dressing is your aggressive front-line weapon to stop catastrophic bleeding in just 30 seconds, a clot is only as good as the pressure holding it in place.

Here is why they are the ultimate pairing for police officers: **The 1-2 Punch of Tactical Medical Device.**

- Step 1 (The Dressing): The Haemostatic Dressing chemically halts the hemorrhage rapidly from the inside out.
- Step 2 (The Bandage): The Trauma Bandage seals the deal. Its heavy-duty elastic compression maintains continuous, high-pressure containment over the dressing, ensuring the clot never breaks—even if the officer has to be dragged, evacuated, or resume physical movement.

By combining the Rapid Haemostatic Dressing (available in 50g and 100g tactical packs) with the 6-inch Trauma Bandage, you create an airtight survival system. One stops the bleed; the other locks down the solution.

The Bottom Line
For the Police Force and tactical units worldwide, compromise is not an option. When the shift goes sideways, protect your brothers and sisters in blue with the gear engineered for the worst-case scenario. **Unbeatable Protection. Never Stop Winning.**



6 inch W X 15cm L, Vacuum Packed

Work best with



UNBEATABLE BLEEDING CONTROL KIT

Why Every Patrol Car Needs the Unbeatable Bleeding Control Kit?

In policing, seconds dictate the line between life and death. When responding to violent encounters or severe accidents, the greatest threat to survival isn't always the immediate danger—it is catastrophic blood loss.

Waiting for Emergency Medical Services (EMS) is a luxury time cannot afford. Every patrol car must be equipped with the Unbeatable Bleeding Control Kit. Here is why this kit is an absolute necessity for modern law enforcement:

1. 30-Second Hemostasis: The Ultimate Lifeline
The kit features the Unbeatable Rapid Hemostatic Dressing, capable of stopping arterial or severe bleeding in just 30 seconds.

- **Self-Rescue in Gunfights**: If an officer is shot or injured during a shootout, they can immediately apply the dressing to themselves. There is no need to wait for a secured scene or an ambulance; survival is placed directly in the officer's hands.

2. Defeating the "Golden Hour" Traffic Delays
Police officers are almost always the first to arrive at major traffic accidents.

- **Immediate Intervention**: While an ambulance might be delayed by heavy traffic or gridlock, a patrol vehicle is already on-site.
- **Saving Victims on Scene**: Officers can instantly deploy the kit to treat critically injured, heavily bleeding motorists, stabilizing them before paramedics even arrive.

3. Built for the Tough Realities of Patrol
The Unbeatable Bleeding Control Kit is housed in an ultra-rugged, heavy-duty hard case engineered specifically for the harsh environment of a police vehicle.

- Durability: It withstands the trunk's extreme temperatures, rough driving, and accidental drops.
- Reliability: When chaos strikes, the gear inside remains 100% intact, sterile, and ready for deployment.



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WHY PARTNER WITH US?

Global Vision & Brand Influence
We deliver premium, internationally competitive products designed to accelerate your market recognition and elevate your brand presence.

Profitable Growth & Market Protection
With a robust pricing architecture and strict regional market protection policies, we guarantee secure and maximized returns on your investment.

Comprehensive Technical & Marketing Support
We empower your business with expert product training, professional marketing assets, and a fully supportive after-sales service system.

Flexible & Innovative Partnership Models
Whether through distribution, agency, or project-based collaboration, we tailor the perfect business model to fit your unique goals.



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Manufacturer

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