MEDIQUIP®

HEALTHCARE
Simulation & Training

TRAUMA SIMULATION | SURGICAL TRAINING

TRAIN FOR THE REALITY OF TRAUMA CARE

Advanced Trauma & Surgical Simulation Solutions

For over a decade, Mediquip has been a trusted partner to healthcare, defence, and education providers across Australia, delivering advanced simulation technologies that support real-world clinical training.

With a deep understanding of medical education and trauma response, mediquip works with leading global manufacturers to provide simulation solutions that prepare clinicians, first responders, and military personnel for high-pressure environments.

From immersive trauma scenarios to advanced surgical training platforms, the products featured in this brochure represent the next generation of hyper-realistic simulation, designed to build confidence, improve clinical outcomes, and ensure teams are ready when it matters most.

Surgical Cut Suit

The Surgical Cut Suit allows instructors to simulate the look, feel, and complexity of severe traumatic injuries on a live human casualty, enabling responders and clinicians to perform real procedures during training.

Designed for high-intensity scenarios, the system supports training across the full continuum of care from point-of-injury treatment to surgical intervention.

Key Features

- Hyper-realistic anatomy with interchangeable organs and wound patterns
- Wearable system for training with a live casualty
- Supports realistic emergency assessment and treatment
- User-repairable skin and internal components
- Customisable wounds and pathology

Precedures Supported

- Tourniquet application and hemorrhage control
- Cricothyroidotomy and airway procedures
- Chest needle thoracentesis and chest tube insertion
- Suturing and stapling techniques
- Laparotomy and thoracotomy surgical procedures
- Peripheral IV access and bladder tap

TCCC /EMS Cut Suit

Designed specifically for Tactical Combat Casualty Care (TCCC) and emergency medical training, the EMS Cut Suit enables immersive trauma care simulations in battlefield, disaster, and pre-hospital environments.

Key Features

- Wearable trauma simulation platform.
- Supports realistic emergency response training.
- Enables haemorrhage control, airway management, and trauma care.
- Durable construction for high-intensity training scenarios

TCCC Advanced Moulage Kit (TAMK)

The TAMK provides hyper-realistic wearable wounds designed to create immersive trauma training environments with lifelike visual and tactile feedback.

These ruggedised wound simulators are anatomically correct and form-fitting, allowing them to be worn by actors or placed on manikins to replicate real-world trauma injuries.

Key Features

- Hyper-realistic wounds with tactile feedback
- Simulates real-world trauma scenarios
- Durable and comfortable wearable design
- Supports versatile patient configurations

Procedures Supported

- Burns, fractures, and amputation simulations
- Junctional bleed trainers
- Gunshot wounds and lacerations
- Scalp, limb, and torso injury simulations

Hyper-Realistic Moulage Kit

Create convincing trauma scenarios with a professional moulage system designed to replicate burns, lacerations, fractures, and complex injuries.

Key Features

- Highly detailed silicone wounds
- Designed for realistic casualty simulation
- Compatible with actors or manikins
- Ideal for disaster response and trauma

Open Surgical Simulation System

The Open Surgical System allows trainees to practise open surgical techniques and procedural skills in a controlled training environment.

Key Features

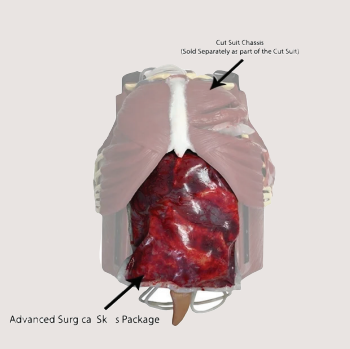
- Realistic surgical anatomy
- Supports a wide range of surgical procedures
- Interchangeable tissue and organ modules
- Ideal for surgical education and skills labs

Advanced Surgical Skills Package (ASSP)

A comprehensive platform designed to develop core surgical competencies, enabling repeated practice of essential techniques.

Skills Covered

- Suturing and knot tying
- Tissue handling techniques
- Surgical incision and closure
- Procedural skill development

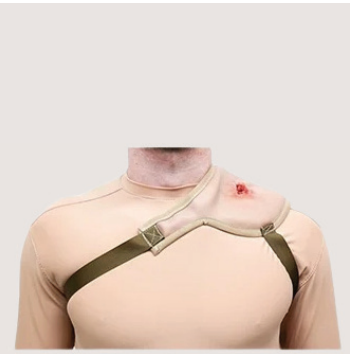


Multi Junctional Bleed Trainer

Simulate life-threatening junctional haemorrhage scenarios, one of the most challenging bleeding control situations faced in trauma care.

Training Applications

- Hemorrhage control
- Wound packing
- Pressure bandaging
- Junctional tourniquet training



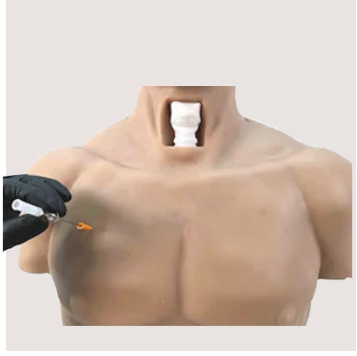
6-in-1 TCCC Trainer

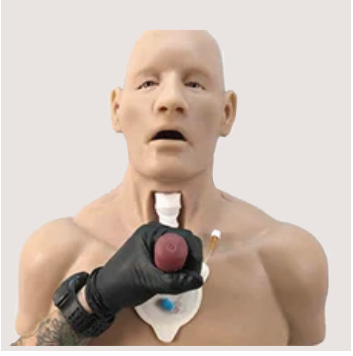
The 6-in-1 trainer provides a hyper-realistic head and torso platform designed for Tactical Combat Casualty Care training.

It enables learners to practise six critical lifesaving procedures on a single training device.

Training Procedures

- Nasopharyngeal airway insertion
- Surgical airway procedures
- Clearing airway obstructions
- Chest needle thoracentesis
- Sternal intraosseous access
- Proximal humerus intraosseous access





IV Suture Sleeve

A wearable training solution designed for realistic IV insertion and suturing practice.

Benefits

- Wearable for training with a live actor
- Realistic tissue feel
- Ideal for clinical and emergency training

Blast Trousers

Simulate severe lower body trauma and blast injuries to prepare responders for high-impact casualty scenarios.

Features

- Realistic trauma simulation
- Durable wearable construction
- Designed for military and disaster response training

Blood Pumping System

Add dynamic realism to trauma training with a controlled blood flow simulation

Capabilities

- Simulated arterial and venous bleeding
- Adjustable blood flow rates
- Compatible with multiple training simulators

Train for the Reality of Trauma Care

The STOPS Medical range delivers hyper-realistic simulation tools designed to prepare clinicians and first responders for high-pressure medical environments.

From point-of-injury response to surgical intervention, these systems help teams build confidence, improve clinical performance, and enhance patient outcomes.

Contact Mediquip Simulation to learn more

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