

HEMO

RUGGED, DURABLE, AND RELIABLE

Each TacMed Simulation™ product is designed from the ground up for ruggedness and durability with careful consideration of materials and manufacturing processes to create products that last. They are water resistant and can be used in nearly any weather condition or environment, and can be transported in any vehicle to ensure the most authentic training experience.

REMOTE CONTROLLED WITH REAL-TIME SENSOR DATA

All TacMed Simulation™ high-fidelity simulators are operated with a long-range touchscreen remote controller which includes real-time telemetry to monitor medical interventions. Easy to use software takes only minutes to learn and sensor data is immediately displayed on the main control screen for quick reference. The display shows key vitals and provides instructors with instant data on the effectiveness of student interventions such as tourniquet application, wound hemostasis, airway intervention, needle decompression, and chest tube placement.

REMOTE CONTROL & SENSOR FEATURES

The remote control offers a color touchscreen for ease of operations. It provides full system operation from up to 200 yards away and includes real-time telemetry for sensor feedback and vitals data.



Color touchscreen remote control

- Inguinal crease wound (bleeding status, pressure applied, and time)
- Amputation bleeding/occluded (proper tourniquet application)
- Leg movement manual/auto
- Pulse rate and strength
- Blood loss (volume)
- Patient alive/expired
- Blood pressure

Confidentiality Notice:

TacMed Simulation™ and Multiple Amputation Trauma Trainer® (MATT™) are trademarks of TacMed Simulation™, Inc. This document contains protected information and its contents constitute confidential and proprietary information. Any unauthorized use, disclosure, or distribution is strictly prohibited without prior written consent by an authorized TacMed Simulation™ associate.

TACMED SIMULATION™ MULTIPLE AMPUTATION TRAUMA TRAINER® (MATT™) AWARDS

AMSO Award

SBIR Award

Governors Award

Modeling & Simulation Training Team Award



PACKABLE HEMOSTATIC TRAUMA TRAINER

HEMO

RUGGED HIGH-FIDELITY SIMULATOR FOR POINT-OF-INJURY TRAUMA CARE INSTRUCTION.

PRODUCT SPECIFICATIONS

PRODUCT #	CAUCASIAN		AFRICAN AMERICAN	
	TFX-HEMO-1		TFX-HEMO-AA-1	
DIMENSIONS	LENGTH	WIDTH	WAIST	
	50in 127cm	14in 35.6cm	36in 91.4cm	
WEIGHT	FULL - 86lbs / 39kg		EMPTY - 81lbs / 36.7kg	
POWER SUPPLY	Two (2) 18V Li-ion batteries		BLOOD RESERVOIR -2 liters	
CASE DIMENSIONS	62"x26"x16"; 153lbs. 157.5cm x 66cm x 40.6cm; 69.4kg			

CONTRACT VEHICLES

GSA	GS-07F-063DA
DLA ECAT	SPE2DH-18-D-0008
PEO STRI TATT II	W900KK-19-D-0005
PEO STRI VPSS	W900KK-18-D-0012
NATO Logistics Stock Exchange	LB-KGS-01N

HEMO

The TacMed Solutions™ **Packable Hemostatic Trauma Trainer (HEMO)** is a ruggedized, tetherless, remote-controlled human patient medical trainer that provides the most authentic simulation of traumatic lower blast injury. State of the art sensor technology provides real-time feedback that takes the guesswork out of trauma simulation. HEMO features a full left leg with a bleeding wound at the inguinal crease for hemostatic wound training, venous bleeding at the lower leg, and a traumatic amputation of the right leg requiring a tourniquet. Medics and First Responders also learn how to treat a boot top simple fracture of the tibia or fibula that has open, avulsed, and irregular wounds caused by an explosion.



KEY BENEFITS

- ▶ Full left leg with a hemostatic wound at the inguinal crease that requires packing with gauze and the application of measurable pressure
- ▶ Advanced sensor technology provides trainers/learners with instantaneous feedback of applied pressure, time to occlude bleeding, and volume of blood loss for after action reporting
- ▶ Arterial bleeding from the amputation requiring correct tourniquet placement
- ▶ Responds to direct femoral artery pressure for immediate bleeding control
- ▶ Lifelike leg movement, remote controlled using practical and durable special effects animatronics technology
- ▶ Specially formulated synthetic tissue with unparalleled realism and durability providing visual and tactile stimuli
- ▶ Instantaneous feedback provided through proprietary remote control transmitter with extended operating range
- ▶ Removable knee bone on amputation leg is compatible with optional Prosthetic Leg Cover (PLC)
- ▶ Can be used with human actors
- ▶ Crepitus to cue for crushed pelvis injury
- ▶ Scrotal avulsion
- ▶ Water resistant
- ▶ Scrotal Avulsion with optional interchangeable priapism
- ▶ Water resistant
- ▶ Easy to clean and maintain after use
- ▶ Optional non-injured left leg, burn leg, and interchangeable priapism

FEATURES GUIDE

Quick-connect attachment; compatible with any TacMed Sui Upper Torso trainer

Solid urethane core for ruggedness

Crepitus to cue for crushed pelvis Injury

Realistic, durable skin

Packable inguinal crease wound

Optional priapism to cue for spinal injury

Scrotal avulsion

Realistic arterial line for tourniquet application at multiple points

Shrapnel impediment for tourniquet application

Animatronic leg movement to simulate combative patient

Flexible joints

Amputation with arterial bleeding

Crush injury with venous bleeding

Tibia fracture



OPTIONAL FEATURES

Optional legs: Non-Injured, burn leg (not shown).

MIX & MATCH

TacMed Simulation™ upper and lower trainers can be combined in any configuration to increase training capabilities.

