

MATT

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

- Right leg amputation bleeding/occluded (proper tourniquet application)
- Blood loss (volume)
- Leg movement manual/auto
- Left leg amputation bleeding/occluded (proper tourniquet application)
- Heart rate
- Patient alive/expired
- Blood pressure

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

AMSO Award

SBIR Award

Governors Award

Modeling & Simulation Training Team Award



MULTIPLE AMPUTATION TRAUMA TRAINER

MATT

HIGH-FIDELITY SIMULATOR OF SERIOUS BLAST WOUNDS FOR REALISTIC TOURNIQUET TRAINING.

PRODUCT SPECIFICATIONS

PRODUCT #	CAUCASIAN KGS-TFX-LO-1		AFRICAN AMERICAN KGS TFX-AA-MATT-1	
DIMENSIONS	LENGTH	WIDTH	WAIST	
	32in 81.3cm	14.5in 36.8cm	36in 91.4cm	
WEIGHT	FULL - 80lbs / 36.3kg		EMPTY - 75lbs / 34kg	
POWER SUPPLY	Two (2) 18V Li-ion batteries		NSN	6910016337432
CASE DIMENSIONS	42"x24"x19"; 140lbs. 106.7cm x 61cm x 48.3cm; 63.5kg			

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

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The TacMed Simulation™ Multiple Amputation Trauma Trainer® (MATT™) is a ruggedized, tetherless, remote controlled trauma trainer that delivers high fidelity simulations of lower body injuries commonly caused by IEDs and other explosive devices. Jointly developed with the U.S. Army Research Laboratory Simulation and Training Technology Center (ARL-STTC), MATT employs state-of-the-art special effects materials and technologies to deliver incredibly realistic visual and tactile stimuli with lifelike response to treatment. State of the art sensor technology provides real-time feedback that takes the guesswork out of trauma simulation training.



KEY BENEFITS

- ▶ Double amputation with multiple tourniquet points that accurately simulate pulse and arterial bleeding
- ▶ Advanced sensor technology provides trainers/learners with instantaneous feedback of hemostasis, time to occlude bleeding, and volume of blood loss for after action reporting
- ▶ Amputations require proper tourniquet application or manual pressure to occlude bleeding
- ▶ 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
- ▶ Real-time feedback provided through proprietary Remote Control transmitter with extended operating range
- ▶ Can be used with human actors
- ▶ Crepitus to cue for crushed pelvis injury
- ▶ Scrotal avulsion
- ▶ Water resistant
- ▶ Easy to clean and maintain after use
- ▶ Optional interchangeable priapism

FEATURES GUIDE

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

Realistic, durable skin

Crepitus to cue for crushed pelvis injury

Solid urethane core for ruggedness

Simulated wounds

Optional priapism to cue for spinal injury

Scrotal avulsion

Animatronic leg movement to simulate combative patient

Realistic arterial line for tourniquet application at multiple points

Shrapnel impediment for tourniquet application

Bilateral amputation with arterial bleeding



MIX & MATCH

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

ADDITIONAL OPTIONS



AFRICAN AMERICAN VERSION

KGS-TFX-AA-MATT-1