Saving lives under fire

The Tactical Casualty Care Simulator (TCCS) is an ruggedized simulator for comprehensive TCCC training with wounding patterns that simulate traumatic injuries from an explosion and gunshot wounds. Simple to operate, the TCCS is designed for training in prehospital patient care, wound management, airway stabilization and hemorrhage control.

The TCCS features arterial and venous hemorrhage, humeral & sternal intraosseous, two-way communication and midclavicular needle decompression. The TCCS is highly ruggedized, water-resistant, fully mobile and ideally suited for challenging, real-world training scenarios in any indoor or outdoor environment.
Comprehensive Tactical Combat Casualty Care Preparedness

Tactical Casualty Care Simulator

Airways
Assessment of oral and nasal areas
Insert nasal & oral pharyngeal airways
Manage difficult airway
Perform advanced foreign body removal from airway
Perform suction of the airway — nasal and oropharyngeal
Perform intubation – King LT
Perform intubation – I-Gel
Crycothyrotomy

Breathing
Remote-controlled respiratory rate
Bilateral and independent chest excursion
Tension pneumothorax corrected by midclavicular needle insertion
Support to external ventilation

Circulation
Remote-controlled heart rate
Remote-controlled pulses — carotid and non-injured limbs
Humeral and sternal intraosseous

Hemorrhage Management
Remote-controlled pulsatile bleeding and arterial hemorrhage
Bleeding control via pressure, elevation, and pressure points
CAT, junctional and aortic tourniquets
Apply tourniquets to control bleeding
Apply junctional tourniquets to control massive hemorrhage
Assess and treat upper and lower limb amputations
Wound packing
Multiple and independent bleeding sites
Through and through wounds
3 gallon blood reservoir

Manikin and Software
Full-body, wireless and tetherless simulator
Ruggedized and water-resistant for indoor and outdoor environments
Realistic and lifelike 185lb weight
Fully-articulated limbs
Easy-to-use instructor tablet and software (iOS, Android and Mac/PC)
Two-way, headset communication system
Simulation logs
System “health” status with complete and real-time self-diagnostics
Tactical Casualty Care Simulator

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TCCS Wound Configuration 1
Full-sized, ruggedized simulator for training gunshot wound management.

**Interventions**
- Extremity Tourniquet
- Wound Packing
- Bandaging
- Nasopharyngeal Airway
- Oropharyngeal Airway
- Cricothyroidotomy
- Chest Seal
- Needle Decompression
- Humeral and Sternal Intraosseous

![Images of gunshot wounds and interventions]

TCCS Wound Configuration 2
Full-sized, ruggedized simulator for training major vascular injury.

**Interventions**
- Extremity Tourniquet
- Junctional Tourniquet
- Wound Packing
- Bandaging
- Nasopharyngeal Airway
- Oropharyngeal Airway
- Cricothyroidotomy
- Chest Seal
- Needle Decompression
- Humeral and Sternal Intraosseous
- Fracture Splinting

![Images of gunshot wounds and interventions]

TCCS Wound Configuration 3
Full-sized, ruggedized simulator for training traumatic amputation injuries.

**Interventions**
- Extremity Tourniquet
- Junctional Tourniquet
- Bandaging
- Nasopharyngeal Airway
- Oropharyngeal Airway
- Cricothyroidotomy
- Chest Seal
- Needle Decompression
- Humeral and Sternal Intraosseous

![Images of gunshot wounds and interventions]
TCCS Wound Configuration 1
Full-sized, ruggedized simulator for training gunshot wound management.

**Interventions**
- Extremity Tourniquet
- Wound Packing
- Bandaging
- Nasopharyngeal Airway
- Oropharyngeal Airway
- Cricothyroidotomy
- Chest Seal
- Needle Decompression
- Humeral and Sternal Intraosseous

- Gunshot wound to the face causing hemic bleeding
- Gunshot wound to the left upper arm
- Fragment wounds to the left chest

TCCS Wound Configuration 2
Full-sized, ruggedized simulator for training major vascular injury.

**Interventions**
- Extremity Tourniquet
- Junctional Tourniquet
- Wound Packing
- Bandaging
- Nasopharyngeal Airway
- Oropharyngeal Airway
- Cricothyroidotomy
- Chest Seal
- Needle Decompression
- Humeral and Sternal Intraosseous
- Fracture Splinting

- Shrapnel injury to neck causing major vascular injury
- Open tibular/fibular fracture
- Gunshot wound to left thigh
- Oblique through-and-through gunshot wound to right groin above tourniquet line

TCCS Wound Configuration 3
Full-sized, ruggedized simulator for training traumatic amputation injuries.

**Interventions**
- Extremity Tourniquet
- Junctional Tourniquet
- Bandaging
- Nasopharyngeal Airway
- Oropharyngeal Airway
- Cricothyroidotomy
- Chest Seal
- Needle Decompression
- Humeral and Sternal Intraosseous

- Traumatic amputation – above left elbow
- Traumatic amputation – above left knee
- Traumatic amputation – upper right thigh above tourniquet line
- Burn, blast and fragment wounds on the left side of the body
**TCCS Wound Configuration 4**

Full-sized, ruggedized simulator for multiple traumatic gunshot wound and amputation injuries.

**Interventions**
- Extremity Tourniquet
- Junctional Tourniquet
- Wound Packing
- Bandaging
- Nasopharyngeal Airway
- Oropharyngeal Airway
- Cricothyroidotomy
- Chest Seal
- Needle Decompression
- Humeral and Sternal
- Intraosseous

**TCCS Wound Configuration 5**

Full-sized, ruggedized simulator for the treatment of abdominal wounds with evisceration.

**Interventions**
- Extremity Tourniquet
- Wound Packing
- Bandaging
- Abdominal Evisceration
- Nasopharyngeal Airway
- Oropharyngeal Airway
- Cricothyroidotomy
- Humeral and Sternal
- Intraosseous

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**Technical Specifications**

- Full-body wireless male manikin
  - Water resistant
  - 76"H x 28"W x 12"D (192cm x 70 x 30)
  - 185lbs (82Kg)
  - Fully-articulated limbs

- Internal batteries - Dual pack
  - 18V 12A hour lithium-ion, rechargeable
  - Run time: 4-5 hours
  - Electrical: Input: 110v

- Two-Way Communication
  - Line of sight two-way communications headset
  - Range up to 100 yards

- Instructor Control Interface Tablet
- Instructor Control Interface Software and License
- Rugged Carry Case

**Optional Items**

- Part Number 510024: Simulated Blood
- Part Number 500087: Additional Battery Pack
- Custom wound configurations

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**30 Gal concentrated antimicrobial, antifungal, antifreeze simulated blood**
TCCS Wound Configuration 4
Full-sized, ruggedized simulator for multiple traumatic gunshot wound and amputation injuries.

Interventions
- Extremity Tourniquet
- Junctional Tourniquet
- Wound Packing
- Bandaging
- Nasopharyngeal Airway
- Oropharyngeal Airway
- Cricothyroidotomy
- Chest Seal
- Needle Decompression
- Humeral and Sternal
- Intraosseous

- Traumatic amputation – above left elbow
- Traumatic amputation – above left knee
- Sucking chest wound
- Burns to left side of face
- Fragmentation wounds to left side of body

TCCS Wound Configuration 5
Full-sized, ruggedized simulator for the treatment of abdominal wounds with evisceration.

Interventions
- Extremity Tourniquet
- Wound Packing
- Bandaging
- Abdominal Evisceration
- Nasopharyngeal Airway
- Oropharyngeal Airway
- Cricothyroidotomy
- Humeral and Sternal
- Intraosseous

- Open abdominal wound with evisceration
- Traumatic amputation above right wrist
- Deep avulsion of the posterior proximal right thigh

Technical Specifications
- Full-body wireless male manikin
- Water resistant
- 76”H x 28”W x 12”D (192cm x 70 cm x 30)
- 185lbs (82Kg)
- Fully-articulated limbs
- Internal batteries - Dual pack
- 18V 12A hour lithium-ion, rechargeable
- Run time: 4-5 hours
- Electrical: Input: 110v
- Two-Way Communication
- Line of sight two-way communications headset
- Range up to 100 yards
- Instructor Control Interface Tablet
- Instructor Control Interface Software and License
- Rugged Carry Case
- 30 Gal concentrated antimicrobial, antifungal, antifreeze simulated blood

Optional Items
- Part Number 510024: Simulated Blood
- Part Number 500087: Additional Battery Pack
- Custom wound configurations
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Contact your Operative Experience representative for more information about all our training products.