Improving patient care under fire

The Tactical Casualty Care Simulator (TCCS) is a 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 needle decompression in both midclavicular and axillary regions. The TCCS is highly ruggedized, water-resistant, fully mobile and ideally suited for challenging, real-world training scenarios in any indoor or outdoor environment.

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Tactical Casualty Care Simulator

Comprehensive Tactical Combat Casualty Care Preparedness

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
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 oro pharyngeal
Perform intubation – King LT
Perform intubation – I-Gel
Cryothyrotomy

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

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

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
Available in five wound pattern configurations:

| Wound Pattern 1       | Gunshot wound to face causing hemic drowning  
|                        | Gunshot wound to left upper arm  
|                        | Fragment wounds to the left chest  
| Wound Pattern 2       | Shrapnel injury to neck causing major vascular injury  
|                        | Oblique through-and-through gunshot wound to right  
|                        | Groin above tourniquet line  
|                        | Gunshot wound to left thigh  
|                        | Open tibular/fibular fracture  
| Wound Pattern 3       | Traumatic amputations:  
|                        | - Left elbow  
|                        | - Above left knee  
|                        | - Upper right thigh above tourniquet line  
|                        | Burn, blast and fragment wounds on left side of body  
| Wound Pattern 4       | Traumatic amputations:  
|                        | - Left elbow  
|                        | - Above left knee  
|                        | Sucking chest wound  
|                        | Burns to left side of face  
|                        | Fragmentation wounds to left side of body  
| Wound Pattern 5       | 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 x 30)
- 185lbs (82Kg)
- Fully-articulated limbs
- Internal batteries - Dual pack
- 18V 12A hour lithium-ion, rechargeable
- Run time: 45+ 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 220001: Simulated Blood
- Part Number 500076: Additional Battery Pack
- Custom wound configurations

Contact your Operative Experience representative for more information about all our training products.