



**High Fidelity Trauma Care  
and Emergency Medicine**

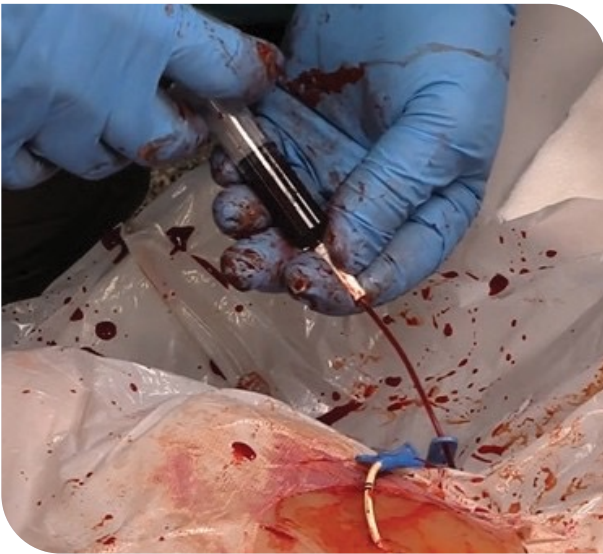


**TACMED**  
**SIMULATION**  
ELEVATE YOUR RESPONSE



## CRL Simulators

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. A full body system weights 74.4 kg and measures approx. 2 meters.



## 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.



Color Touchscreen Remote Control



Optional Vital Signs Monitor

## FEATURES

### CRU-R Upper Body

- Respiratory status (regular, tension pneumothorax, stopped)
- Respiration rate
- Pulse rate
- Blood pressure
- SpO2
- End Tidal CO2
- Airway status
- CPR (compression depth and rate)

- Intubation (tracheal, esophageal, RMS)
- NPA placement
- Needle decompression
- Chest tube placement
- Central line placement and depth
- Teeth pressure
- Alert, conscious, unconscious, anxious
- Patient alive/expired

### CRL Lower Body

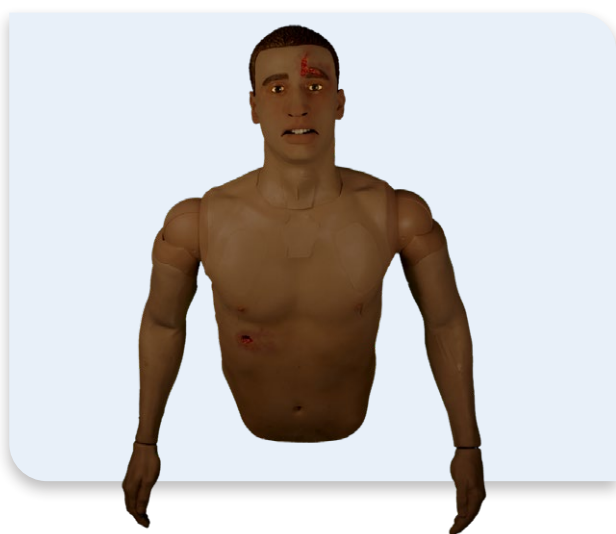
- Inguinal crease wound (bleeding status, pressure applied, and time)
- Pulse rate and strength
- Amputation bleeding/occluded (proper tourniquet application)
- Blood loss (volume)
- Blood pressure
- Leg movement manual/auto
- Patient alive/expired





## CRU-R UPPER BODY

The TacMed Simulation™ Clinical Response Upper-Resuscitate (CRU-R) delivers high-fidelity training capabilities for the treatment of traumatic upper body injuries as well as advanced clinical features for cardiac life support and resuscitation. Ideal for Prolonged Care, Emergency Room, and ACLS/ALS training, the CRU-R is an extremely effective multipurpose training tool allowing learners to perform a wide range of critical life-saving tasks. Trainers receive instant feedback on student intervention performance via the easy-to-use remote control. Constructed with a durable urethane core and specially formulated life-like silicone skin, the CRU-R is designed to operate in clinical settings or rugged, outdoor scenarios.



## KEY BENEFITS

- Multiple sensors provide trainers/learners with instantaneous feedback for After Action Reporting via the Ruggedized Remote Control
- Flexible jaw with realistic teeth and tongue (or injured tongue); lifelike airway with internal tracheal landmarks for orotracheal intubation; gastric distention resulting from improper intubation; responds to BVM ventilation
- Heart sounds and breathing with coordinated breath sounds in 4 quadrants
- Palpable radial, carotid and brachial pulse points
- CPR with sensors to measure compression depth and rate
- ACLS training with programmed megacodes and AAR data/scorecard
- Central Line (subclavian) with flash cue, ultrasound compatibility and sensors to monitor placement
- Bilateral infusible intraosseous (I/O) trainers and intramuscular injection sites at the humerus/deltoid
- Realistic, light reactive eyes that respond to ambient light or can be remotely set to dilated, pinpoint, TBI, or fixed/non-responsive
- Blood pressure reading via auscultation or palpation with brachial pulse
- Bilateral chest tube insertion sites with replaceable, multiple use skin plugs
- Nasal passageways with sensors for nasopharyngeal intubation and user selectable airway obstruction at the nose or throat to cue for surgical cric
- Infusible IV training site at the arm with flash cue
- Realistic manubrium allows I/O training with fluid infusion
- Bilateral needle decompression training sites with breathing recovery (full size 3.25" 14 gauge needle with air release)
- 2-way communication audio system allows trainer to speak through the simulator
- Water resistant
- Easy to clean and maintain after use
- Optional right arms: uninjured, amputated (non-bleeding)
- Compatible with TacMed Simulation™ Vital Signs Monitor (VSM)
- ACLS scenarios mode when paired with VSM and simulator



## CRL - LOWER BODY

The TacMed Simulation™ Clinical Response Lower (CRL) is a ruggedized, tetherless, remote-controlled human patient medical trainer that delivers high-fidelity realism and durability creating the most authentic simulation of traumatic injuries to support the Continuum of Care – Point of Injury (POI), Secondary Care and Prolonged Field Care. The CRL adds to the robust capabilities of the Multiple Amputation Trauma Trainer (MATT)® and Packable Hemostatic (HEMO) Trauma Trainer and delivers a full left leg with a bleeding wound at the inguinal crease for hemostatic wound training, catheterization capabilities, and a traumatic amputation of the right leg requiring a tourniquet.



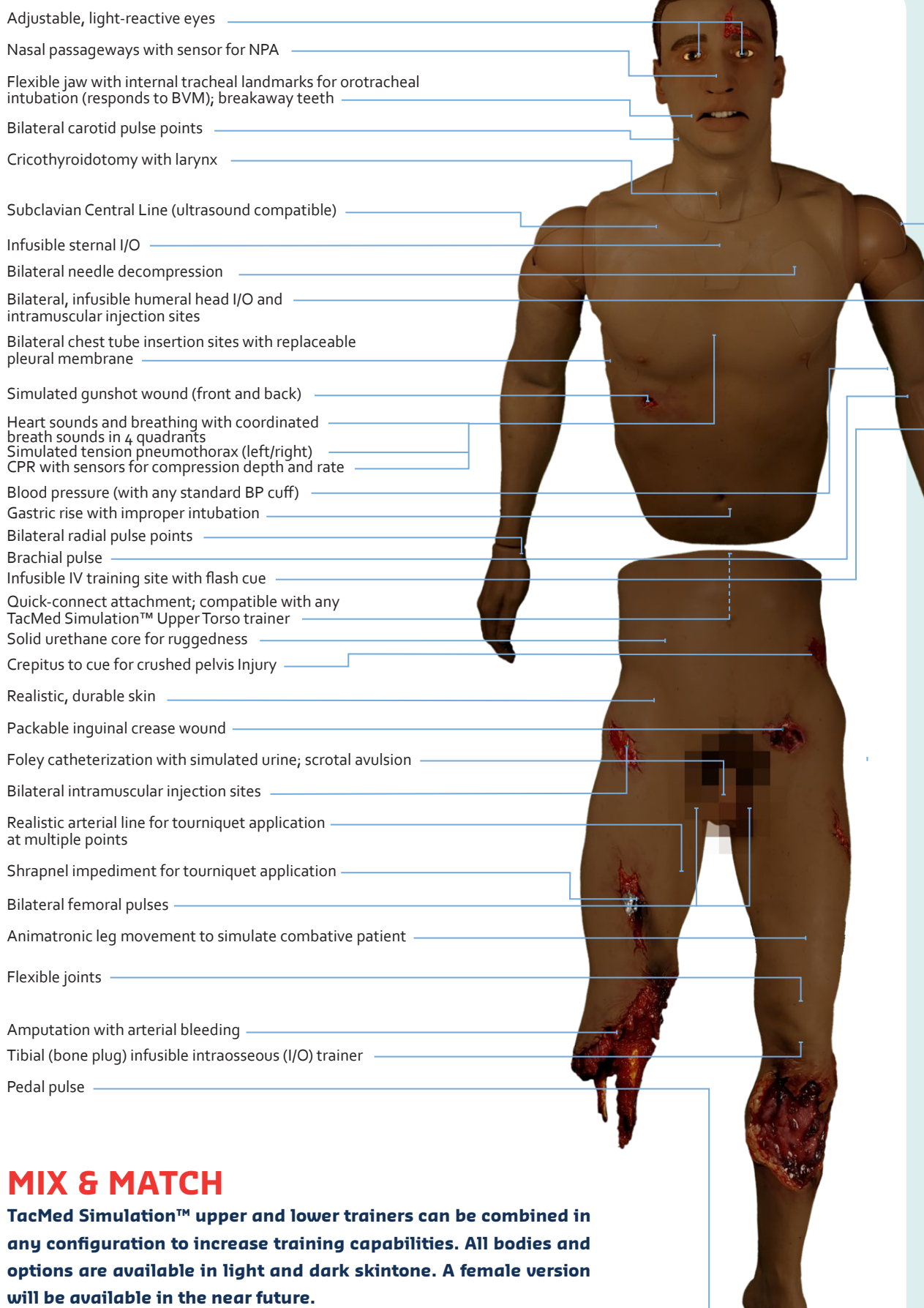
## KEY BENEFITS

- Full left leg with a hemostatic wound at the inguinal crease that requires packing with gauze and the application of measurable pressure
- Right leg amputation at the knee with popliteal artery bleed with realistic tourniquet site
- 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
- Lifelike leg movement, remote controlled using practical and durable special effects animatronics technology
- Foley catheterization with simulated urine
- Femoral and pedal pulse
- Tibial (bone plug) infusible intraosseous (I/O) trainer
- Bilateral intramuscular injection sites (skin/muscle plug) at the thigh
- Specially formulated synthetic tissue with unparalleled realism and durability providing realistic visual and tactile stimuli
- Responds to direct pressure for immediate bleeding control
- Instantaneous feedback provided through proprietary remote control (RC) transmitter with extended operating range
- Crepitus to cue for crushed pelvis injury
- Scrotal Avulsion with optional interchangeable priapism
- Water resistant
- Easy to clean and maintain after use
- Optional non-bleeding crushed left leg, burn leg (optional legs do not include pedal pulse)





## FEATURES GUIDE CRU-R AND CRL



- Adjustable, light-reactive eyes
- Nasal passageways with sensor for NPA
- Flexible jaw with internal tracheal landmarks for orotracheal intubation (responds to BVM); breakaway teeth
- Bilateral carotid pulse points
- Cricothyroidotomy with larynx

Subclavian Central Line (ultrasound compatible)

Infusible sternal I/O

Bilateral needle decompression

Bilateral, infusible humeral head I/O and intramuscular injection sites

Bilateral chest tube insertion sites with replaceable pleural membrane

Simulated gunshot wound (front and back)

Heart sounds and breathing with coordinated breath sounds in 4 quadrants

Simulated tension pneumothorax (left/right)

CPR with sensors for compression depth and rate

Blood pressure (with any standard BP cuff)

Gastric rise with improper intubation

Bilateral radial pulse points

Brachial pulse

Infusible IV training site with flash cue

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

Solid urethane core for ruggedness

Crepitus to cue for crushed pelvis injury

Realistic, durable skin

Packable inguinal crease wound

Foley catheterization with simulated urine; scrotal avulsion

Bilateral intramuscular injection sites

Realistic arterial line for tourniquet application at multiple points

Shrapnel impediment for tourniquet application

Bilateral femoral pulses

Animatronic leg movement to simulate combative patient

Flexible joints

Amputation with arterial bleeding

Tibial (bone plug) infusible intraosseous (I/O) trainer

Pedal pulse

### MIX & MATCH

**TacMed Simulation™ upper and lower trainers can be combined in any configuration to increase training capabilities. All bodies and options are available in light and dark skintone. A female version will be available in the near future.**



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