

## Whole Body MATT® - Pulses/Breathing (WBS-MATT-PB)

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Product code: SM03111



The Whole-Body Simulator (WBS) MATT-PB is a rugged, realistic full-body trainer to treat severe trauma. Purpose-built for field exercises and use in any weather or environment, the WBS MATT-PB offers realistic leg movement and lifelike arterial bleeding that deliver ultra-high-fidelity training for a truly immersive learning experience. It also incorporates pulses, breathing, and real-time feedback through our long-range remote control. Using the WBS MATT-PB, learners can use field techniques such as hand, knee, and elbow pressure to occlude bleeding. They can physically locate both radial and carotid pulses, assess breathing patterns and use this information to perform appropriate interventions. The system also incorporates other intervention training such as maintaining a patient's airway, needle decompression, identifying tension pneumothorax, bi-lateral chest tube insertion, cricothyroidotomy, and Intraosseous (I/O) infusion.

### Key Features :

- Active breathing with chest rise and fall
- Radial and carotid pulses
- Airway management
- Moveable jaw

- Intubation
- Oropharyngeal Airway (OPA)
- Nasopharyngeal Airway (NPA)
- Selectable airway obstruction
- Intubation teeth sensor
- Cricothyroidotomy
- Needle decompression (troacentesis)
- Tension pneumothorax
- IV insertion
- Intraosseous (I/O) infusion



- Adjustable eyes (pupils normal, constricted, TBI)
- Two-way audio communication
- Full-motion legs
- Dual-leg amputation with arterial bleeding
- Tourniquet training
- Simulated wounds (shrapnel, lacerations)
- Crepitus (to cue for crushed pelvis)
- Optional priapism (to cue for spinal injury)
- Scrotal avulsion
- Tetherless (battery operated)



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Remote Controlled

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Real-time digital feedback for trainers

#### Product Details:

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Multiple sensors relay results to the trainer in real-time, taking the guesswork out of the simulation.

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Simulated breathing and coordinated breath sound in 4 quadrants.

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Palpable radial and carotid pulse points

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Simulates tension pneumothorax in either side with appropriate physiologic cues

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Flexible jaw with internal tracheal landmarks for orotracheal intubation

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Bilateral chest tube insertion sites with replaceable, multiple-use skin plugs

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Oral airway cavity (with teeth and tongue) for oropharyngeal intubation

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Trainer-selectable airway obstruction at the nose or throat to cue for surgical cric

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Simulated cricothyroidotomy with larynx, and single and multiple-use replaceable skin plugs

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Realistic manubrium allows intraosseous (I/O) training with fluid infusion

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Needle decompression with air release and sensor feedback (full size 3.25" 14 gauge needle) with replaceable multi-use skin plugs and pleural membranes

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2-way Communication (TWC) audio system allows the trainer to speak through the simulator

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Double amputation with multiple tourniquet points that accurately simulate pulse and arterial bleeding

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Amputations require proper tourniquet application or manual pressure to occlude bleeding

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Lifelike leg movement, remote-controlled using practical and durable special effects animatronics technology

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Specially formulated synthetic tissue with unparalleled realism and durability providing visual and tactile stimuli

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It can be used with human actors

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Crepitus to cue for crushed pelvis injury

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Scrotal avulsion

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Water-resistant

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Easy to clean and maintain after use

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Optional interchangeable priapism

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Rugged, remote control with real-time data streaming

Remote Controlled with Real-time Sensor Data

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Training Flexibility and Wound Variation

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