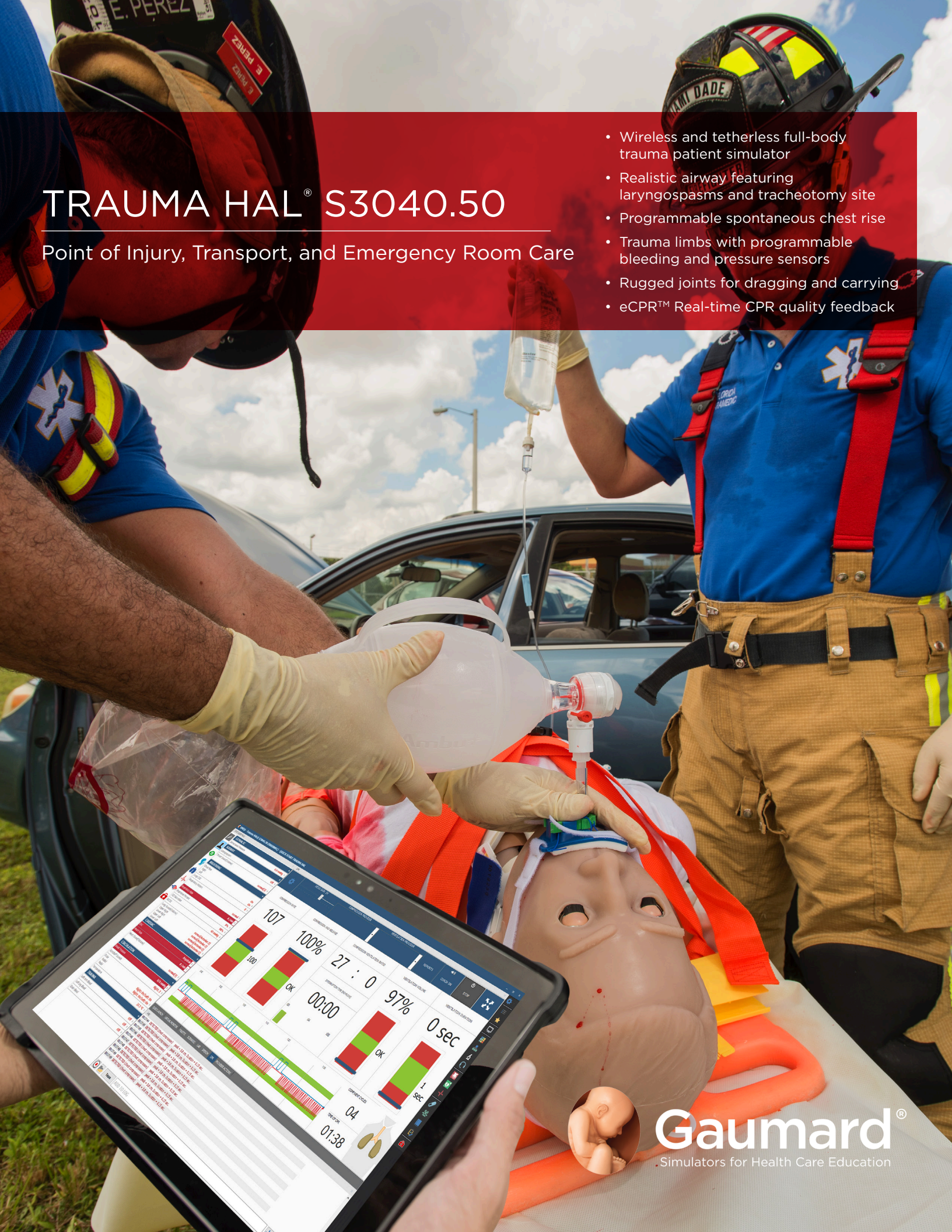


# TRAUMA HAL® S3040.50

Point of Injury, Transport, and Emergency Room Care

- Wireless and tetherless full-body trauma patient simulator
- Realistic airway featuring laryngospasms and tracheotomy site
- Programmable spontaneous chest rise
- Trauma limbs with programmable bleeding and pressure sensors
- Rugged joints for dragging and carrying
- eCPR™ Real-time CPR quality feedback



**Gaumard®**  
Simulators for Health Care Education



## FEATURES

- Full-body adult 70 inches (178cm), 46lbs. (20.9 kg)
- Rugged shoulder and hip joints allow dragging and carrying
- Splash proof for CBRNe water spray decontamination
- Self-contained design; all operating components and blood reservoirs stored inside the body
- Wireless and tetherless control; at distances of up to 90ft.
- Fully operational on battery power for up to 8hrs (AC power supported)
- Interchangeable trauma/healthy lower left arm and leg
- Designed for fast scenario reset; automatic self-refilling 1.5 liter reservoir system
- Rugged for outdoor use

## NEUROLOGIC

- Library of prerecorded speech responses
- Streaming voice (option S3040.50.300)

## AIRWAY

- Realistic airway with teeth, tongue, epiglottis, and vocal cords
- Programmable difficult airway: laryngospasms
- Articulated neck and jaw for head tilt/chin lift
- Naso/orotracheal intubation: ETT, Supraglottic Airway, King LT™
- Surgical airway for cricothyrotomy, tracheotomy, and tracheal hook exercises
- Supports suctioning liquids from the airway and lungs
- Visible gastric distention with excess BVM

## BREATHING

- Bilateral chest rise with BVM ventilations
- Ventilation detection
- Needle decompression with audible hiss
- Programmable breath/throat sounds
- Spontaneous chest rise and fall with normal and abnormal respiratory patterns
- Programmable unilateral chest rise
- Unilateral chest rise with right mainstem intubation
- Upper/lower anterior lung sounds

## CARDIAC

- Selectable normal and abnormal heart sounds synchronized with ECG and pulses
- Preprogrammed ECG rhythm library with customizable variations
- 4-Lead ECG monitoring using real equipment (12-Lead available option S3040.50.120)
- Defibrillate and pace using real energy
- Effective compressions generate palpable pulses

## CPR

- eCPR™ Real-time CPR performance monitoring
  - » Time to CPR
  - » Compression depth/rate
  - » Chest recoil
  - » Compression interruptions
  - » Ventilation rate
  - » Excessive ventilation
  - » Time to defibrillation
- CPR assisting tones
- Real end-tidal CO<sub>2</sub> capability (option S3040.50.078)
- Durable chest recoil design

## CIRCULATION

- Measure blood pressure with real sphygmomanometer
- Realistic Korotkoff sounds
- Bilateral blood pressure dependent pulses
  - » Carotid, radial, femoral, and pedal
- Femoral artery pressure sensor
- Bilateral intravenous training arms
- Bilateral deltoid and quadriceps IM injection sites
- Intraosseous access at right tibia

## TRAUMA

- Trauma limbs: Interchangeable trauma lower left arm and leg included
- Bleeding groin wound detects applied pressure
- Trauma site arterial bleeding synced with heart rate and blood pressure
- Blood pressure dependent bleeding rate
- Arm and leg tourniquet detection
- Pressure on femoral artery reduces or stops distal bleeding in leg
- On-board 1.5 liter blood reservoir
- Automatic self-refilling reservoir system
- Responsive blood loss monitor and reservoir level

## GASTROINTESTINAL

- Supports esophageal intubation and gastric suctioning
- Visible gastric distention with esophageal intubation

## UNI® UNIFIED SIMULATOR CONTROL SOFTWARE

- Unified interface design
- Virtual patient monitor
- Scenario designer
- Preprogrammed scenario library
- eCPR™ - CPR effectiveness monitor and trainer
- Lab report designer
- Time-stamped event logging

## TURNKEY PACKAGE INCLUDES

- Wireless tablet PC, "bump" case, and UNI software license.
- Battery charger/Power supply
- Trauma/healthy lower left arms and legs
- Groin wound insert
- Soft carrying case
- Hands-free blood refill bag
- User Manual
- One-Year Limited Warranty
- Extended warranty plans available

### TRAUMA HAL®

#### S3040.50

Available skin tones



### Streaming Voice

#### S3040.50.300

### 12-Lead ECG

#### S3040.50.120

### EtCO<sub>2</sub> Exhalation

#### S3040.50.78

### Mobile Patient Monitor

#### S3040.50.002

### Request A Quote

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