TRAUMA F/X®

Improving Survivability

AirwayPlus Lifecast - Intubation/Amputation (APL-IA)

The TraumaFX® AirwayPlus Lifecast - Intubation/Amputation medical simulator was created specifically to address the treatment of traumatic upper body injuries and incorporates an arm amputation with arterial bleeding and real-time feedback to create a uniquely realistic training experience. Constructed of a durable urethane core and specially formulated, life-like silicone skin, the APL-IA is designed to operate in inhospitable conditions and tough, outdoor scenarios. The APL-IA is an extremely effective multipurpose training tool allowing learners to perform critical life-saving tasks that include maintaining an airway, needle decompression, cricothyroidotomy, tourniquet application, and chest tube insertion.

Rugged, Durable and Reliable

Each TraumaFX 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 or aircraft to ensure the most authentic training experience.

Remote Controlled with Real-time Sensor Data

All TraumaFX high-fidelity simulators are operated by a long-range RC controller which includes real-time telemetry to monitor medical interventions. Easy to use, menu-driven 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, and more.

Mix-N-Match

TraumaFX upper and lower trainers can be combined in any configuration to increase training capabilities

DATA SHEET

WWW.TRAUMAFX.NET

Key Benefits of TraumaFX APL-IA

- Multiple sensors provide trainers/learners with instantaneous feedback for After Action Reporting (AAR) via the Ruggedized Remote Control (RC)
- Traumatic arm amputation with arterial bleeding at the right elbow and a tourniquet sensor along the entire length of the upper arm
- Chest tube insertion site with replaceable, multiple use skin plugs
- Flexible jaw with internal tracheal landmarks for orotracheal intubation
- Eyes can be manually rotated to simulate a dilated or pinpoint pupil
- Oral airway cavity (with teeth and tongue) for oropharyngeal intubation
- Nasal passageways for nasopharyngeal intubation
- Optional airway obstruction to cue for surgical cric

- Simulated cricothyroidotomy with larynx with replaceable and skin plugs
- Reinforced silicone arms with articulating shoulders and full arm rotation
- Realistic manubrium allows intraosseous (I/O) training with fluid infusion
- Needle decompression training sites (full size 3.25" 14 gauge needle)
- IV training site with flash cue at the arm
- Simulated gunshot entrance and exit wounds - front and back
- Water resistant
- Easy to clean and maintain after use
- Optional burn arm

Remote Control and Sensor Features

The RC remote control offers full system operation from up to 200 yards away and includes real-time telemetry for sensor feedback and vitals data.

Sensor and vitals data for the APL-IA include:

- Bleeding sensor for amputation (active/occluded)
- Blood loss
- Pulse rate
- Respiration rate

- Airway status
- IV status
- Nasal blockage
- Alert, conscious, unconscious, anxious
- Patient alive/expired

TraumaFX Multiple Amputation Trauma Trainer (MATT)® Awards
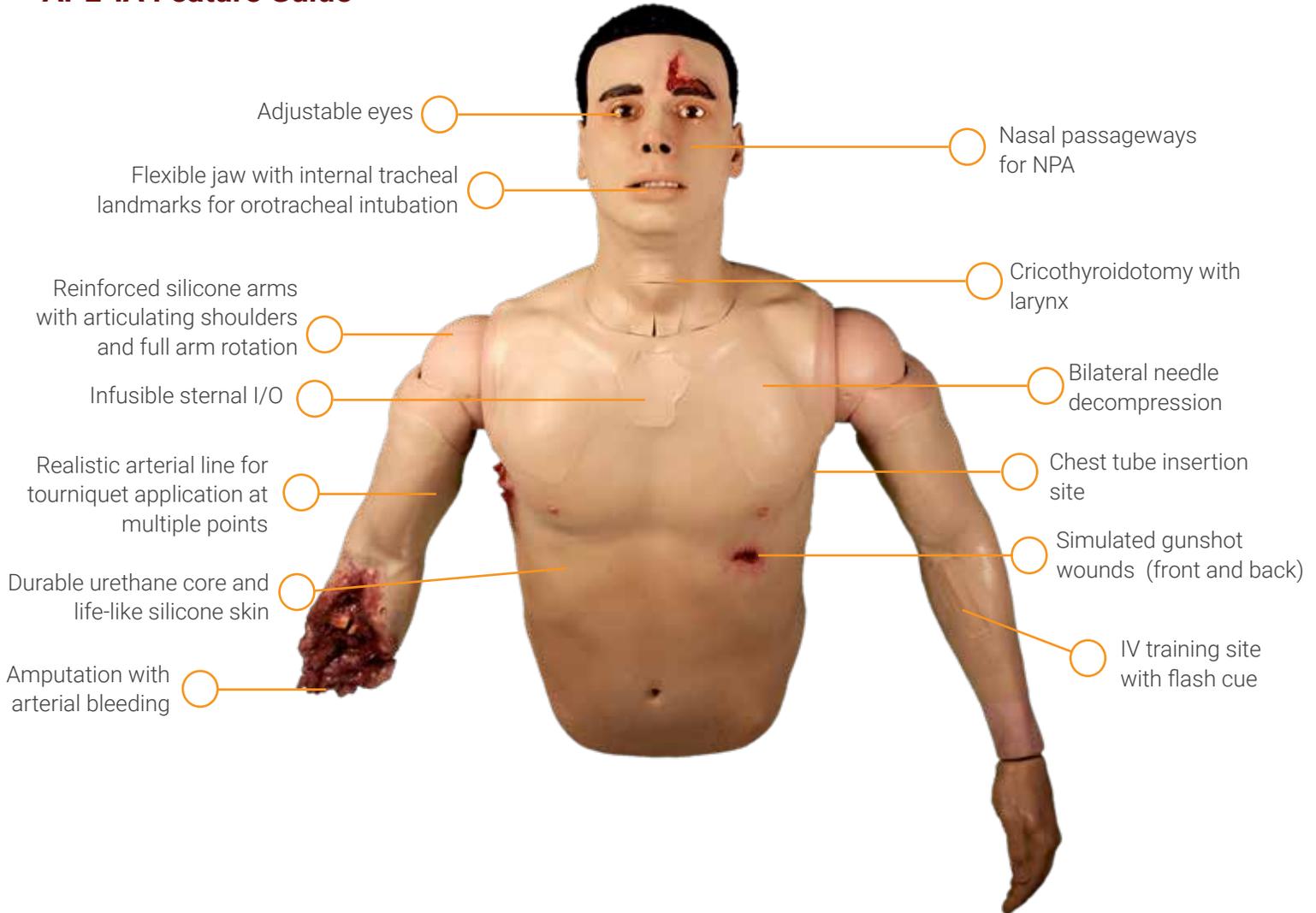

AMSO Award

Governors Award

SBIR Award

Modeling & Simulation Training Team Award

Contract Vehicles:
GSA: GS-07F-063DA
DLA ECAT: SPE2DH-18-D-0008
PEO STRI TATT: W900KK-14-D-0004
PEO STRI VPSS: W900KK-18-D-0012

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APL-IA Feature Guide

Adjustable eyes

Flexible jaw with internal tracheal landmarks for orotracheal intubation

Reinforced silicone arms with articulating shoulders and full arm rotation

Infusible sternal I/O

Realistic arterial line for tourniquet application at multiple points

Durable urethane core and life-like silicone skin

Amputation with arterial bleeding

Nasal passageways for NPA

Cricothyroidotomy with larynx

Bilateral needle decompression

Chest tube insertion site

Simulated gunshot wounds (front and back)

IV training site with flash cue

Realistic airway for intubation with flexible jaw and tracheal landmarks

All TraumaFX Products are handcrafted in the USA

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