

**Triton™ Military Self Contained Standard Delivery System
(Model 2025M) (ASI Medical) (Project 2009-006) (8/10)**



The Triton™ Military Self Contained Standard Delivery System (model 2025M) is a mobile cart-style dental unit. Although configurable for front delivery, the cart evaluated in this project was configured for rear delivery. The system includes an independent oil-less air compressor and suction vacuum pump, a waste canister with electric purge pump, and dual separate water system bottles. The waste canister for collecting suctioned fluids and debris features an electronically-controlled float switch to shut off the vacuum to prevent the suction pump and canister from overflowing or flooding. ASI has incorporated an amalgam separator within the unit to filter out small particles of heavy metals and debris. The basic model 2025M system provides for up to three pneumatic handpiece connections (for high- and low-speed air-turbine handpieces), an air/water syringe, and both high- and low-volume evacuators. The evacuators are made from titanium to reduce their weight, reduce damage from chemicals, and withstand repeated sterilization. The 2025M can be configured with a number of internal and external accessories (e.g., handpiece fiberoptics, electric handpiece motor, air abrasion device, ultrasonic scaler, intraoral camera, electrosurgery unit, Obtura gutta percha gun, transilluminator, apex locator, curing light). The unit is equipped with casters to make it easier to move.



Manufacturer:

ASI Medical, Inc.
14550 E. Easter Ave #700
Centennial, CO 80112
(800) 566-9953
(303) 766-3646
(303) 766-8584 FAX
www.asimedical.net

Suggested Retail Price:

\$14,216.23 Triton™ Military Self Contained Standard Delivery System (model 2025M)

includes:

- two fiberoptic high-speed air-turbine hoses and connections
- one low-speed pneumatic hose and connection
- one three-way air/water syringe
- one UltraLume 5 (Ultradent) LED light-curing wand
- one amalgam separator filter
- two 1-L separate water system bottles
- one foot control with water on/off toggle switch
- 4-inch locking casters
- power cords
- repair kit
- shipping case

Government Price:

\$10,001.12 Triton™ Military Self Contained Standard Delivery System (model 2025M)
(contents as listed above)

ADVANTAGES

- + Excellent high-volume evacuation (i.e., suction) for a field unit
- + With one exception, exposure to extreme temperatures and humidities did not affect the unit's performance
- + Countertop offers ample workspace

- + Casters facilitate moving the unit
- + Instrument holders are clearly labeled and accessible
- + Is relatively easy to set up
- + Has automatic suction shut-off to prevent waste container from overflowing
- + Has electric pump for hands-off emptying of waste container
- + Contains an internal amalgam separator
- + Shipping/storage case meets military specifications and protected unit well during shipment
- + Curing light chosen for evaluated units operated well
- + Is dual voltage, operating on either 115- or 220-volt power
- + Buyers can customize unit by having optional equipment built into it
- + Relatively quiet during operation

DISADVANTAGES

- Unit and case are considerably heavier and larger than traditional military field dental units (i.e., DeFTOS, Transport MDS)
- Switch for choosing between the two separate water bottles did not operate properly
- Lacks sturdy handles for lifting
- Some mechanical problems were noted during field evaluation

CONCLUSION

The Triton™ Military Self Contained Standard Delivery System (model 2025M) is a mobile dental unit for use in austere environments and traditional fixed facilities. This project evaluated the unit solely as a field unit in austere locations. In general, the unit performed well during its six-week field test. Its relative quietness, excellent suction, and electric waste-purging system were noted and appreciated by evaluators. One of the major advantages of the Triton™ 2025M is that it can be configured at the time of purchase with a range of options, including electric and/or air-turbine handpiece connections, curing light, ultrasonic scaler, electrosurgery unit, etc. Some mechanical problems were noted during the evaluation such as leaky connections and heat build-up, but these were corrected on site. The unit was available only in either 115-V or 220-V configuration at the time of the evaluation. It is important to note that the Triton™ 2025M is now available as a dual-voltage unit (model 2025M/DV) at a slightly increased cost (\$500.00). Because this model operates on either a 115-V or 220-V power source, it may be the most appropriate unit for overseas use. Although heavier and larger, the Triton™ model 2025M is a marked improvement over traditional field dental units currently used by the military. The **Triton™ Military Self Contained Standard Delivery System (model 2025M)** is rated **Excellent** for field use by the US Air Force dental service.