

# TEC Torch<sup>TM</sup>

## **Thermal Erosion Cutting Torch for Tactical and Rescue Operations**

### **Training Course Information**

**Part Models: C100 | C110 | C200 | C210  
H100 | H200 | H300**

Energetic Materials & Products, Inc.  
1413 Brandi Ln  
Round Rock, TX 78681  
512-380-1992  
[www.empi-inc.com](http://www.empi-inc.com)

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## Section 1. Introduction

Hello and thank you for your interest in the TEC Torch™ breaching tools. EMPI has developed the TEC Torch™ specifically to offer a fast, portable, covert, and cost effective breaching option. Training courses are available by user request and highly recommended so that operators can administer the tool safely with maximum effectiveness. The TEC Torch™ is designed to be modular and compatible with a host of accessories and attachments. The TEC Torch™ is also designed to be as simple as possible for storage and operation. All users should review and understand the Operation Manual prior to use of the tools in training or field scenarios.

TEC Torch™ seminars or events can usually be described as a demonstration or training course. Demonstrations are typically a first time showcase of the products where attendees get to see and touch the products, hear an overview briefing of the functions and capabilities, and witness a live cutting demonstration. Various items outlined in Section 2 may not be presented in a demonstration event. Training is available to all customers of the TEC Torch™ but will include operational, safety, and logistics detail specifically applicable to operators.

It is recommended, that a training course allow for 3-4 cartridges for the trainer plus at least two (2) cartridges per student. Trainer materials, labor, and travel costs will be included as a single cost estimate in advance. Targets are typically provided by the course administrator to closely represent the interests of the students. All targets such as locks, rebar, and steel plate should be discussed with the trainer prior to the course date.

## Section 2. Course Outline

1. Introduction
  - a. Trainer bio
  - b. EMPI
  - c. TEC Torch™ history
2. Cartridge and Handle product briefing
  - a. C100 basic design and capability
  - b. C200 basic design and capability
  - c. C110 / C210 product evolution
  - d. H200 features and function
  - e. H300 features and function
3. Inert torch walk through scenario
  - a. SAFE storage and make-ready
  - b. PPE
  - c. Operation procedure

- i. Target assessment; ii. Cartridge seating; iii. Approach; iv. Fire & Cut; v. Ejection; vi. Disposal
4. Live fire cartridge and handle demonstration
  - a. Target examples: rebar, padlocks, steel wire rope, etc.
5. Remote Fire Accessory products briefing
  - a. Description of Claw Clip: features and function
  - b. Description of extension cable: features and function
  - c. Description of splitter cable: features and function
6. Remote Fire Inert torch walk through scenario
  - a. SAFE storage and make-ready
  - b. PPE
  - c. Additional safety considerations for remote fire
  - d. Operation procedure
    - i. Target assessment; ii. Torch assembly; iii. Mounting; iv. Wiring; v. Fire & Cut; vi. removal; vii. Disposal
7. Live remote fire torch demonstration
8. Student trials
9. Q & A
10. Technical Specs, Logistics, Sales, & Distribution
11. EMPI Spin-off product developments
  - a. Large hole cutter - hand reach through hole in steel sheet
  - b. Large rod cutter – up to 1.5” dia. steel
  - c. Line cutter
  - d. Wireless initiators