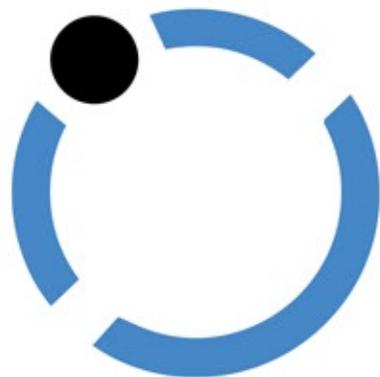




# UTILITY

FROM SNOW, UNWANTED GROWTH, INSECT HIVES, TO BURN PILES, THE **XM42-M™** IS THE FULLY MODULAR SYSTEM THAT IS BUILT FOR THE JOB.





PROUDLY MADE IN THE USA

**The Ion Productions Team**  
2869 W Houston Ave  
Apache Junction, AZ 85120  
info@XM42.com



[instagram.com/ionprodteam](https://www.instagram.com/ionprodteam)



[facebook.com/ionprodteam](https://www.facebook.com/ionprodteam)



[youtube.com/ionproductionsteam](https://www.youtube.com/ionproductionsteam)

<b>Introduction</b>	2
History	3
Flamethrowers	5
<b>XM42-M™</b>	8
Specifications	9
Finish Options	11
Accessories	12
<b>XM42 Lite™</b>	16
Specifications	17
Finish Options	18
Gear	19
Legality	20

All trademarks, service marks, trade names, trade dress, product names and logos appearing in this catalog are the property of their respective owners.  
No trademark or service mark appearing in this catalog may be used without the prior written consent of the mark's owner.



**The Ion Productions Team** is a small company located in the free state of Arizona that focuses on bringing exciting and unique products to the world.

Our company is comprised of thinkers, dreamers, and engineers. We have taken the skills we've developed over the years working in the automotive and aerospace machining industries and honed them toward building a successful business of our own producing high quality products.

Our flamethrowers are built right here in the USA in our 5,000 sq ft facility, supported by numerous local businesses' services and products. We take pride in our work, and it shows.





The Original XM42™

The year was 2004. Chris Byars, a high school student in metro Detroit, Michigan, founded **Ion Productions** as a team of friends with the goal of designing the next big video game in their spare time. As unpaid projects tend to go, team members became busier with their day-to-day lives, development slowed, and the project went into hiatus.

Innovation and the desire to create never faded. As one who loves to build things, Chris's focus shifted to inventing physical products. Over the years, sketches were drawn for numerous new product concepts, but the first to be brought to fruition was the flamethrower. Various rudimentary prototypes were created, and in January 2015, the company was officially registered as **The Ion Productions Team, LLC** to bring the world's first commercially available handheld flamethrower to market.

The first production batch was produced using shared office space rented from the machine shop that helped produce the original prototype. Chris assembled and shipped the first XM42™ flamethrowers during evenings and weekends while working during the day as an engineer for an automotive supplier. As demand rose, this quickly became unsustainable.

In September 2015, a small 1,000 sq ft office space in Madison Heights, Michigan was rented, two friends were hired to support production, and Chris left his employer to focus on handling **The Ion Productions Team** full-time.



The old 1,000 sq ft facility in Madison Heights, Michigan.

Since then, we've moved to Arizona, brought as many processes in-house as possible, launched new products, and even moved again to a larger facility. We've more than doubled our workforce and are ever-expanding our capabilities. Flamethrowers are just the beginning.

## THE ONE THAT STARTED IT ALL

In January 2015, the original XM42™ flamethrower was born. Years of tinkering with various designs had led to a fully functional handheld flamethrower prototype that could blast a stream of fire 25 feet from the user.

In March 2015, we pitched the concept on an Indiegogo crowdfunding campaign to gauge interest, and it ended up being wildly successful. We surpassed our funding goal overnight and achieved nearly 4 times what we had hoped for by the end of the investment campaign.

We produced the XM42™ for the next two years, making people happy and warm. Although the XM42™ was a fantastic first product, we refined and redesigned, taking lessons learned from the original, and now we have the future-proof, customizable XM42-M™ and the budget-friendly XM42 Lite™ to endure the test of time.



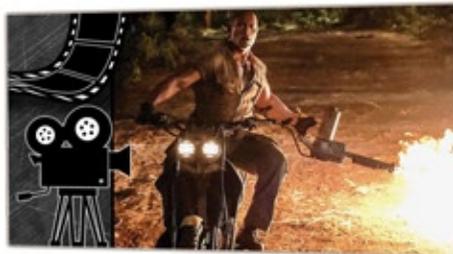
Since the original XM42™ Flamethrower sparked into existence, numerous production companies and well-known names have worked with our products, including Star Wars, Viceland, Hormel Chili, and Andrew Zimmern, to name a few. Visit <http://XM42.com/classic> to watch!

## JUMANJI (2017)

### Dwayne “The Rock” Johnson

That’s right. A prop house customized XM42™ flamethrower made its big screen debut in Jumanji: Welcome to the Jungle. We took the whole crew to see the movie when it came out and were thoroughly entertained. It was a great experience to witness a product we brought to life to be part of a wide-release theatrical film. Catch it in action near the end of the movie.

More information: <http://xm42.com/on-the-big-screen/>



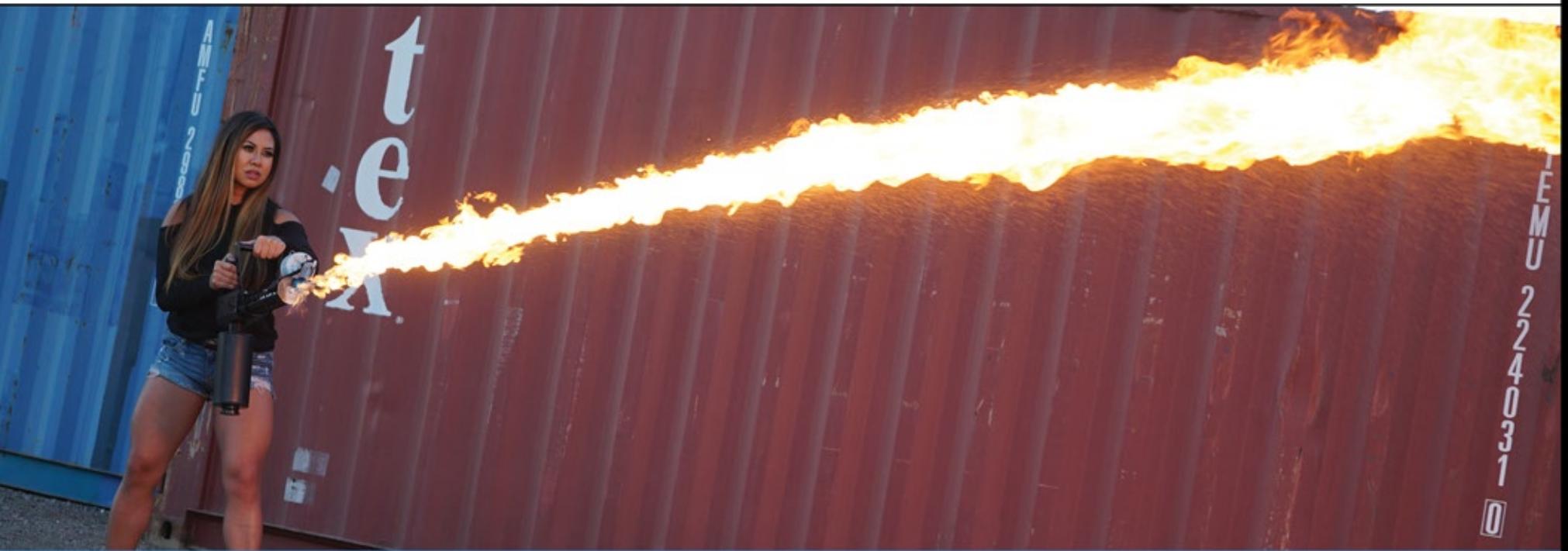


## WHY WOULD YOU WANT A FLAMETHROWER?

Aside from the obvious fun factor, our systems have numerous practical uses.

- clearing snow and ice
- eliminating weeds
- controlled burns
- forestry
- agricultural
- firefighting & training
- insect hive control
- concerts
- TV/movies
- pyrotechnic displays
- bonfire starting
- simply a fun display of fire!

In fact, since the original XM42™ was announced, we've received contact, praise, and orders from various members of the Department of Defense, FBI, border patrol, local law enforcement, firefighters, farmers, controlled burn prescribers, and the U.S. Forestry Service.





# RECREATION

NOTHING CAN COMPARE TO THE EXCITEMENT OF SENDING  
A BLAST OF FIRE WITH YOUR VERY OWN FLAMETHROWER.



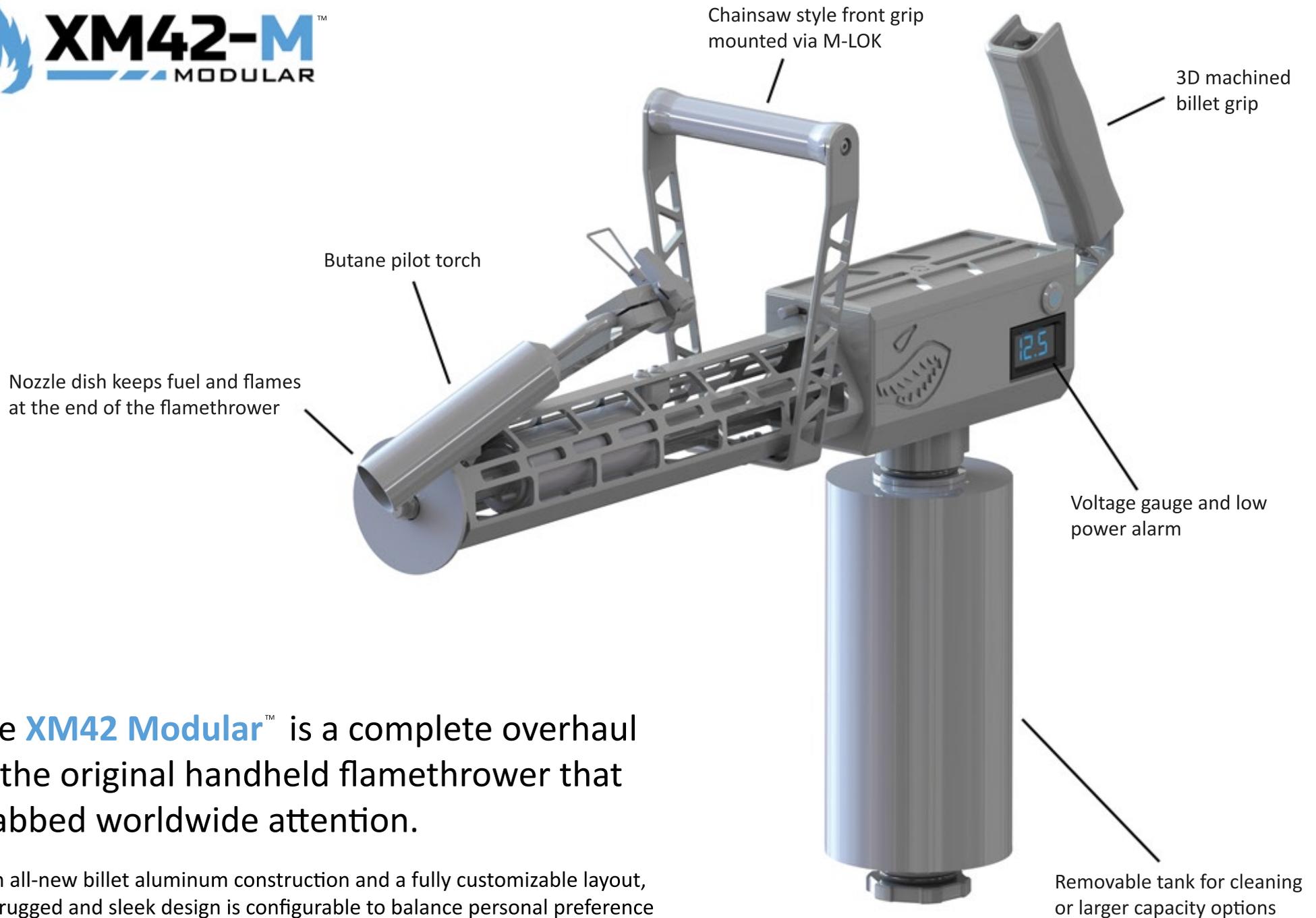
GET YOUR OWN  
**PROBLEM SOLVER**  
AND HAVE SOME FIERY FUN.

## HOW IT WORKS

Our flamethrowers are on-demand systems which utilize a high powered electric fuel pump to emit fuel from the nozzle. This fuel stream is ignited by a pilot torch mounted at the end of the device. The system is powered by a rechargeable lithium-polymer battery (battery and charger included).

Simply fill the tank with your fuel of choice, ignite the pilot torch, and press the trigger button to send a stream of flaming fuel up to 30 feet away. The fuel tank is simply a reservoir, with no pressurization needed.





The **XM42 Modular™** is a complete overhaul of the original handheld flamethrower that grabbed worldwide attention.

With all-new billet aluminum construction and a fully customizable layout, this rugged and sleek design is configurable to balance personal preference and capabilities.



## TECHNICAL SPECIFICATIONS

<b>Length:</b>	26.3 in
<b>Width:</b>	6.7 in
<b>Height:</b>	18.4 in
<b>Weight:</b>	8.0 lb
<b>Pilot Torch Fuel:</b>	230g isobutane camping stove style canister
<b>Pilot Torch Ignition:</b>	Pushbutton piezo spark
<b>Standard Nozzle:</b>	.081" solid stream
<b>Typical Distance:</b>	30 ft
<b>Fuel Capacity:</b>	0.4 gal / 1.5 L
<b>Compatible Fuels:</b>	Gasoline, gasoline-diesel mixture, ethanol
<b>Construction:</b>	Aluminum, stainless steel, fluoroelastomer, nylon
<b>Standard Finish:</b>	MIL-A-8625 Type III Class 2 hard coat anodized
<b>Battery:</b>	2200 mAh 3S lithium polymer with XT60 connector

### Required Accessory:

Butane (also marketed as isobutane) canister intended for use in camping stoves.



Do not use canisters larger than 230 grams; heavier canisters may weaken or damage the threads they are attached to. Always remove canister between uses to prevent inadvertent leaks or breakage.

These canisters are readily available at major department stores such as Wal-Mart, sporting/camping goods stores, and online (which unfortunately requires a hazmat fee).

### What's Included:

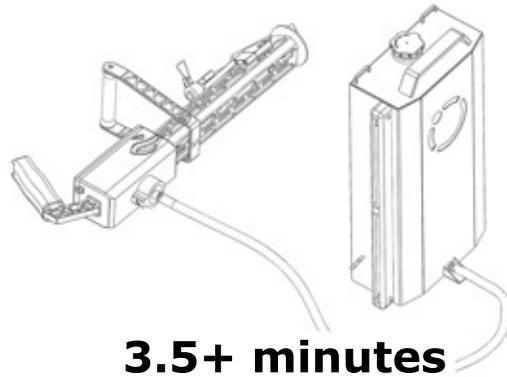
- XM42-M™ flamethrower
- 2200 mAh rechargeable battery
- battery charger
- detailed user manual





### 30+ ft range

Send a flaming blast of gasoline, gas-diesel, or alcohol fuel out in an on-demand handheld system, with no heavy pressurized tanks involved.



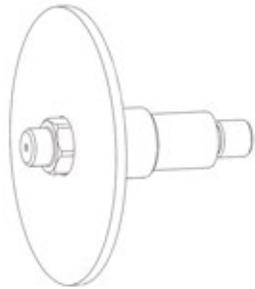
### 3.5+ minutes

of non-stop fire. You can choose how much fuel to carry: the standard 28 second tank, a 60 second tank, or even a 3.5+ minute 3 gallon capacity backpack!



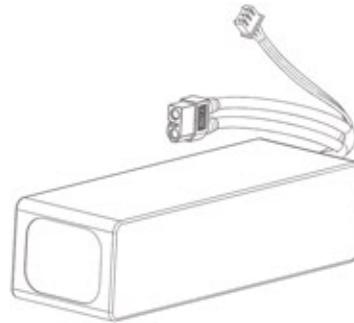
### Magpul M-LOK

Licensed attachment system compatible - Now you can easily add your camera, light, laser, or other accessory to the rail.



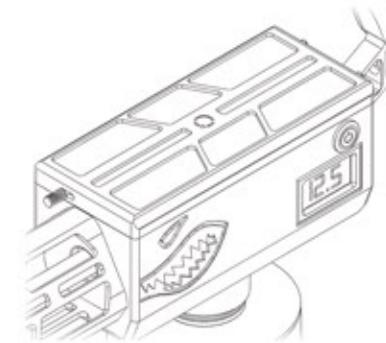
### Nozzles

can be changed at will to configure your XM42-M™ for various applications. Future nozzle designs can be easily installed to change performance.



### Battery Access

Hinged and latching top lid allows easy removal for charging, upgrading, inspection, or hot-swapping.

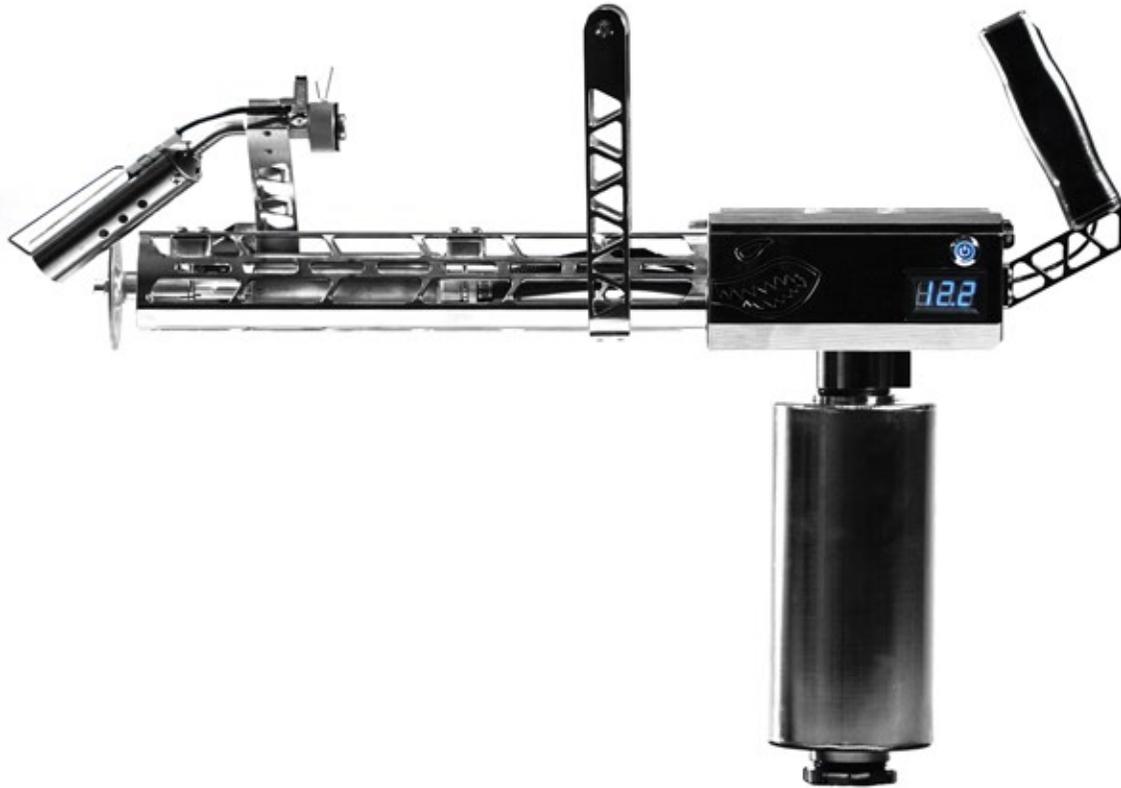


### Volt Gauge

Quickly check remaining battery life. A low voltage alarm will sound when it's time to recharge or swap your battery.

## FINISH OPTIONS

The XM42-M™ is, of course, fully disassemble-able by the end user for custom coating or hydrographics if desired.



### **XM42-M™ Flamethrower** Electroless nickel plated finish.

P/N: XM42-M-NICKEL  
MSRP: \$1,249



*Olive drab image has been computer generated to simulate actual finish. Actual color may vary.*



### **XM42-M™ Flamethrower**

MIL-A-8625 Type III Class II black  
hardcoat anodized.

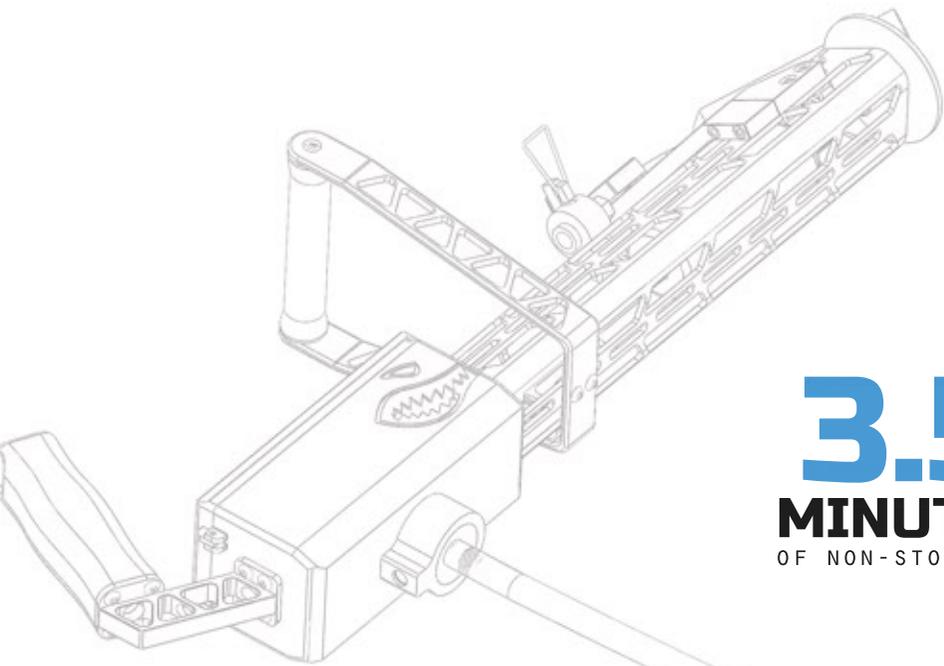
P/N: XM42-M-BLACK  
MSRP: \$1,099



### **XM42-M™ Flamethrower**

MIL-A-8625 Type III Class II olive  
drab hardcoat anodized.

P/N: XM42-M-ODGRN  
MSRP: \$1,099



**3.5**  
**MINUTES**  
OF NON-STOP FIRE



### **Ultralite™ Backpack Kit (Black)**

Powder coated satin black. Also available in OD green or silver finish.

Increase your burn time to over 3.5 minutes by converting your XM42-M™ to the XM42-M™ Ultralite™!

Designed for the US Forestry Service, firefighters, and controlled burn specialists, the Ultralite™ is the epitome of flame throwing technology. Our extended reach torch facilitates application of fire across washes and other geographical concerns compared to standard drip torches.

#### **Features:**

- Hand TIG welded aluminum 3 gallon reservoir
- PTFE stainless steel braided fuel hose
- Translucent armored sight-gauge
- Custom nylon straps by Zulu Nylon Gear
- Heavy duty carry handle
- Weighs 6.8 lb





# FORESTRY

THE ULTIMATE TORCH FOR LAND MANAGEMENT AND  
WILDFIRE SUPPRESSION.

The XM42-M™ is a completely customizable, modular system. We offer a wide range of performance increasing and aesthetic upgrades. From larger fuel tanks to alternate nozzle options, the M is built to last the test of time.



## XM42-M™ Display Stand

LED backlit tabletop display.

P/N: DISPLAY-TABLETOP  
MSRP: \$149.99

View more details and see our full line of accessories at <http://store.XM42.com>



## XM42-M™ 6" Fuel Tank

Increase non-stop use to over 60 seconds. Simply thread it on.

P/N: TANK-6INCH-BLACK  
MSRP: \$79.99  
*Also available in nickel plated or OD green.*



## XM42-M™ Butane Exo

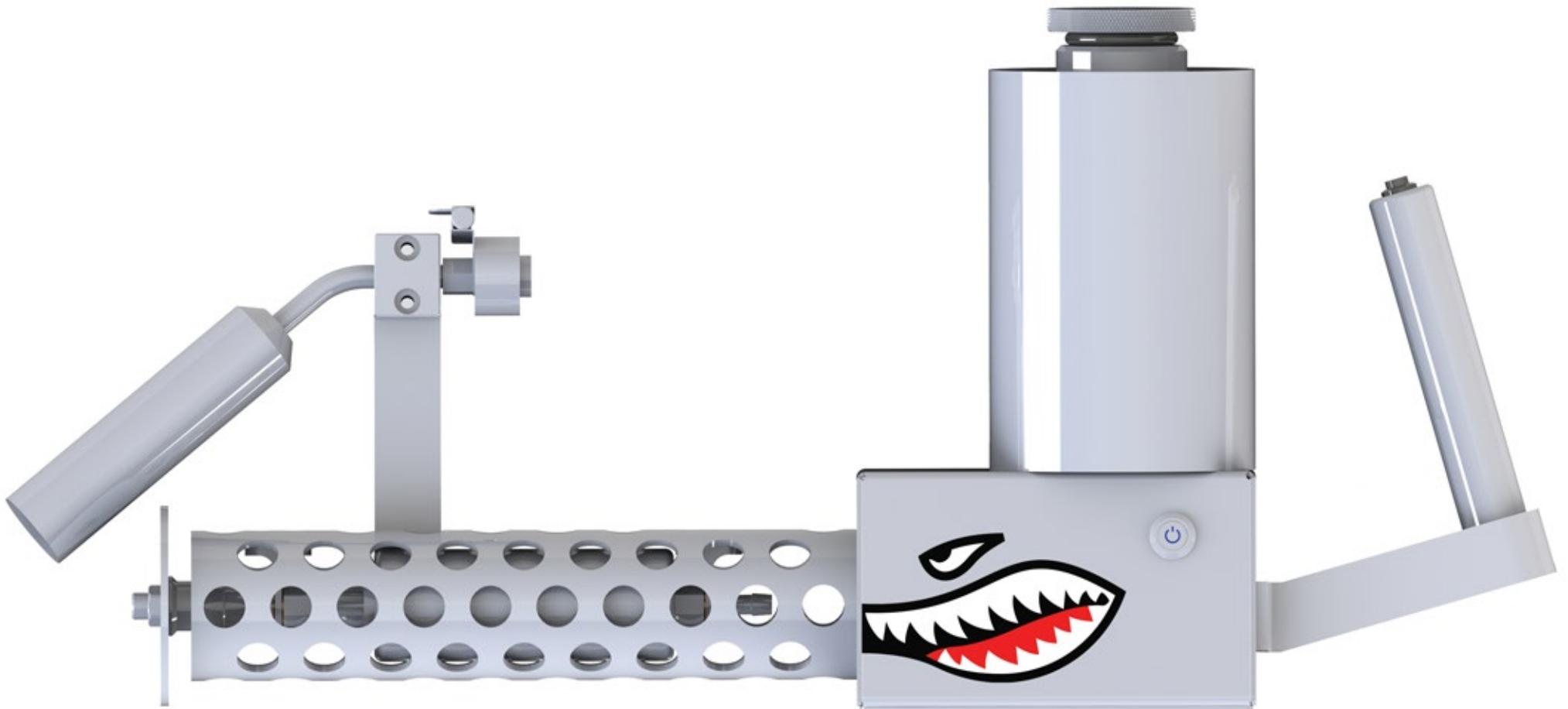
This exoskeleton helps protect the pilot torch butane canister.

P/N: BUTANE-EXO  
MSRP: \$59.99



## THE WORLD'S MOST AFFORDABLE FLAMETHROWER

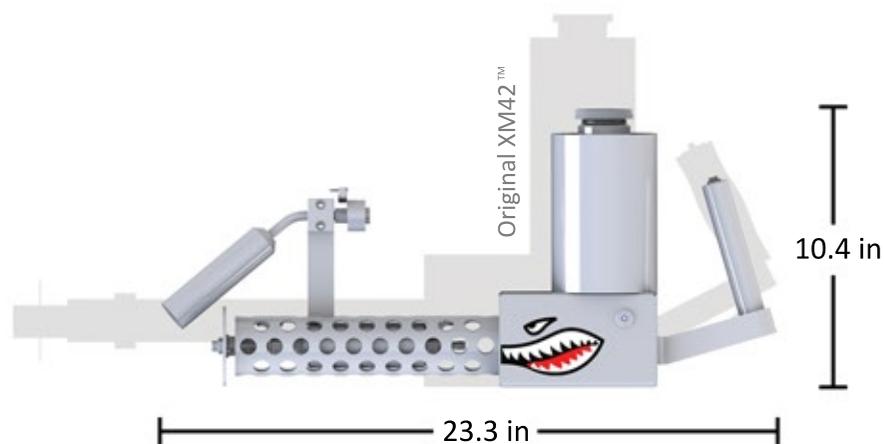
Introduced as a more budget friendly option, the XM42 Lite™ looks to bring handheld flamethrowers to those unable or unwilling to spend what it takes to obtain a full featured XM42-M.



*Computer generated render. Actual product photos pending initial production run.*

With an all-new miniaturized design, the Lite™ is light, but packs the same punch as the original XM42™, and includes two features from our flagship XM42-M™.

Nozzles are interchangeable for easy CA regulation compliance or to vary the burn time, and a low voltage alarm is built in to help alert the user when it's time to charge their battery.



**Required Accessory:**  
Butane (also marketed as isobutane) canister intended for use in camping stoves. *More details on page 9.*



**25+ ft range**

Send a flaming blast of gasoline, gas-diesel, or alcohol fuel out in an on-demand handheld system, with no heavy pressurized tanks involved.



**24 seconds**

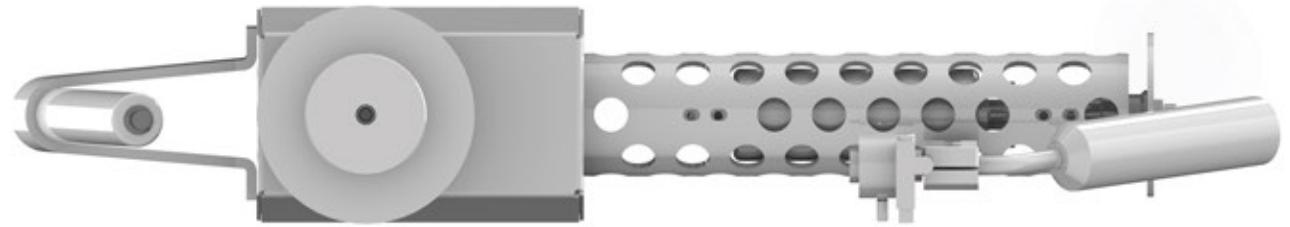
of non-stop fire. The XM42 Lite™ has a built-in fuel reservoir that cannot be changed. However, smaller nozzle options can extend duration.



	XM42 LITE	XM42-M MODULAR
<b>Weight (empty):</b>	5.5 lb*	8.0 lb
<b>Fuel capacity:</b>	0.3 gal*	0.4 gal
<b>Typical distance:</b>	25 ft	30 ft
<b>Non-stop usage:</b>	24 sec*	28 sec
<b>Hot-swappable battery:</b>	✗	✓
<b>Replaceable tank:</b>	✗	✓
<b>Backpack compatible:</b>	✗	✓
<b>M-LOK compatible:</b>	✗	✓
<b>Voltage gauge:</b>	✗	✓
<b>Low voltage alarm:</b>	✓	✓
<b>Replaceable nozzle:</b>	✓	✓
<b>Finish:</b>	Powder coated	Anodized/Nickel Plated
<b>Shark face:</b>	Sticker	Deep engraved

\*Data estimated based on pre-production calculations.

Computer generated renders. Actual product photos pending initial production run.



## FINISH OPTIONS

The XM42 Lite™ is also fully disassemble-able by the end user for custom coating or hydrographics if desired.

Flat black, olive drab green, and a reflective silver powder coat are the launch factory color options. All finishes are powder coated.



### **XM42 Flamethrower**

P/N: XM42-LITE-ODGREEN  
MSRP: \$499



### **XM42 Flamethrower**

P/N: XM42-LITE-BLACK  
MSRP: \$499



### **XM42 Flamethrower**

P/N: XM42-LITE-SILVER  
MSRP: \$499



Rear



Front

#### What's Included:

- XM42 Lite™ flamethrower
- 2200 mAh rechargeable battery
- battery charger
- voltage tester
- detailed user manual



Computer generated render. Actual product photos pending initial production run.

# GEAR UP

WE'VE GOT A FULL LINE OF KICKASS SHIRTS, KEYCHAINS, PATCHES, AND MORE TO GO ALONG WITH YOUR FLAMETHROWER.



See more of our full line of gear at <http://store.XM42.com>

## LEGALITY

There are generally no restrictions on flamethrower ownership in the United States. It is simply an extended-reach torch.

However, we are currently aware that California and Maryland have legislation regarding flamethrowers. The city of Warren, Michigan has also prohibited possession/use/sale/manufacture, although one of our employees was pulled over post-ban and received positive response to the unit that was in his possession.



At the time of this writing, we have read that: in California, unlicensed possession of “any non-stationary and transportable device designed or intended to emit or propel a burning stream of combustible or flammable liquid a distance of at least 10 feet” H&W 12750 (a)—is a misdemeanor punishable with a county jail term not exceeding one year or with a fine not exceeding \$10,000 (CA H&W 12761). Licenses to use flamethrowers are issued by the State Fire Marshal. **We install a nozzle limiting range to < 10 ft** on all California-bound shipments to help customers comply with CA’s regulation.

In Maryland, flamethrowers fall under the state definition for a destructive device and are outright prohibited to possess.



MACHINED PERFECTION.

XM42-M™ THE ION PRODUCTIONS TEAM

[www.XM42.com](http://www.XM42.com)

FORESTRY | UTILITY | RECREATION



Founded in 2004, **The Ion Productions Team, LLC** is a small company located in metro Phoenix, Arizona that focuses on bringing exciting and unique products to the world.

Our company is comprised of thinkers, dreamers, and engineers. We have taken the skills we've developed over the years working in the automotive and aerospace machining industries and honed them toward building a successful business of our own producing high quality products.

**The Ion Productions Team**  
2869 W Houston Ave  
Apache Junction, AZ 85120  
info@XM42.com

 [instagram.com/ionprodteam](https://www.instagram.com/ionprodteam)

 [facebook.com/ionprodteam](https://www.facebook.com/ionprodteam)

 [youtube.com/ionproductionsteam](https://www.youtube.com/ionproductionsteam)