



Exothermic Technologies' Pulsefire LRT, or Long Range Torch, uses an arc of electricity to ignite the stream of fuel.

## REACH OUT AND TORCH SOMETHING

Exothermic Technologies' long-range handheld flamethrowers provide fire where and when you need it.

PHOTOS BY EXOTHERMIC TECHNOLOGIES

**W**ith its cutting-edge products, Exothermic Technologies has set the industry ablaze – literally. The company's compact, lightweight, handheld flamethrowers are truly revolutionary. Here's how this hot concept became a reality.

"Exothermic Technologies was formed in early 2019 after I flew to Florida to meet with the owner of one of the largest national sales rep groups

in the sporting goods and firearms industries," explains Chris Byars, one of the company's founders. "His best friend, Lewis Clanton, a 31-year firefighter, was interested in starting a business based around the flamethrower concept I brought to the table."

He continues, "The meeting went well, we partnered up, and got to work. The first 900 units were built by St. Lucie County firefighters that Lewis worked with as we got things off the

ground, and every unit was QC'd by me. The sales rep group introduced the product to their network of physical dealers, who immediately sold out our entire inventory. It was clear what we had was going to be a hit, and we quickly expanded our operations to support the market demand."

"Pardon the pun," quips Byars, "but our sales spread like wildfire."

**THE PULSEFIRE LRT**, or Long Range Torch,



The units are lightweight, about 6 pounds when loaded with fuel, and shoot flames out to 25 feet or so.

was introduced as the first truly on-demand handheld flamethrower. By using an arc of electricity to ignite the stream of fuel, users don't need to rely on finding pressurized butane canisters and getting a pilot torch running like previous systems on the market. As long as you have power and fuel, you're operational.

"The main goal in the development of the Pulsefire lineup (which also includes the Pulsefire UBF, or Underbarrel Flamethrower) was to create the safest way to apply fire at a distance," says Byars. "Having automatic ignition without the need for pressurized fuel canisters was a key part of that design."

He describes the design further, stating, "The fuel reservoir is filled with regular gasoline like any other outdoor tool, and is non-pressurized. An automotive-style fuel pump sends that fuel through the nozzle whenever the trigger button (beneath a flip-up safety cover) is pressed. A physical lever-operated valve at the nozzle, acting as a secondary safety, must also be opened before use, and ensures leak-free transport/storage."

"Everything is powered by

the included, non-proprietary, rechargeable lithium battery. Integrated circuitry automatically cuts power to the trigger when voltage is low and it's time to recharge or hot-swap a new battery, which is typically after 15 to 20 tankfuls of fuel. We also have a very popular backpack reservoir accessory, which increases capacity to nearly 5 minutes of fuel."

Today, Exothermic Technologies has sold over 45,000 units and has six

major distributors selling to almost every gun, hardware and outdoors store in the country, as well as numerous customers in the forestry and firefighting industries. Not only are these products dependable and easy to use, but they are also backed by a lifetime warranty.

"When most people think of a flamethrower, they think of heavy, pressurized tanks, and that can be intimidating, for good reason," says Byars. "Our lineup is focused on efficiency. They reach out a reasonable distance (about 25 feet), are lightweight (about 6 pounds), and they are instant-action with arc ignition. Fill it up, turn it on and press the button, and you're sending a stream of fire."

What's next for Exothermic Technologies? According to Byars, two patents were recently approved, including their arc ignition technology and numerous safety features, securing the company's lead in the market of handheld torch systems.

"While the flagship Pulsefire LRT and the underbarrel Pulsefire UBF are our primary systems, new products are on the horizon that will satisfy customers interested in smaller and larger offerings," he says. "We're excited to share our products with a wider audience as we continue to grow." ★

*Editor's note: For more information, visit [exothermic.tech](http://exothermic.tech).*



A backpack reservoir is also available from Exothermic and contains almost five minutes' worth of fuel.