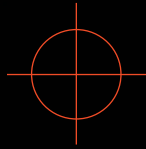


SITE

SPECIFIC



PROTECTING

YOUR

MICRO-ENVIRONMENT

**SHREDDER TRUCK  
FIRE PROTECTION SOLUTIONS**



**FIRETRACE**<sup>®</sup>  
AUTOMATIC FIRE SUPPRESSION SYSTEMS



## **The problem**

In today's world, security of corporate and personal information has become essential. As a result, recent years have seen a dramatic increase in the number of paper shredding trucks in use. However, with the increase in the number of trucks has come a dramatic increase in the number of shredder truck fires.

These trucks create a huge amount of potential fuel for a fire in the form of dry, shredded paper, which does not take a significant ignition source to start burning. In these trucks the two major sources of ignition include the grinding process itself, where foreign metal objects dropped into a collection container may cause a spark. Also during the shredding process, large amounts of paper particles are generated. Even with proper, regular maintenance, these particles can permeate into the mechanical workings and bearings, causing them to overheat and lead to the potential for fire.

While the loss of one of these expensive shredding trucks can reach into the hundreds of thousands of dollars, the liability for fire damage to a customer's facility can be many times that amount.

## **The solution**

Firetrace offers a unique solution for these fires. Firetrace automatic fire suppression systems were designed specifically for vehicular environments. In spite of working conditions that would cause other fire systems to fail, Firetrace's unique design enables it to endure the shocks and vibration associated with the operation of these vehicles.

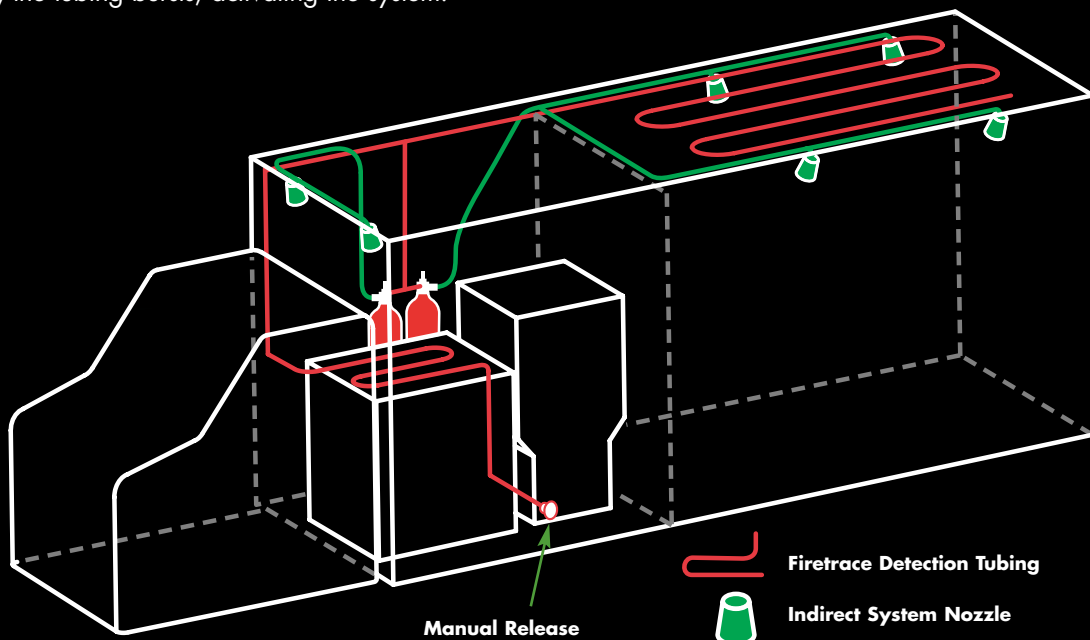
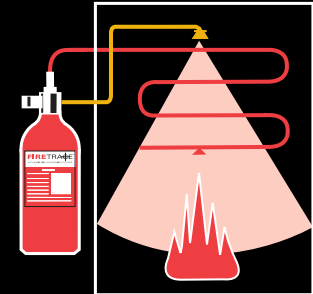
In order to effectively suppress these fires, fast detection is essential. Firetrace, using its proprietary red Firetrace Detection Tubing, can react to fires more than 10 times faster than traditional heat activated sprinkler heads. Firetrace Detection Tubing is durable enough to withstand the harsh environment within the shredder, yet reliable enough to quickly detect fire without costly false discharges.

In a mobile shredder application, when fire is detected, Firetrace typically delivers 50-100 pounds of fire-suppressing agent (depending on the size of the truck) through strategically placed nozzles, creating an agent concentration high enough to effectively suppress the fire, while not harming any potential occupant.

## How it works

Firetrace is a totally self-contained fire detection and suppression system. It requires no electricity to operate and offers automatic 24/7 protection for the machine.

The proprietary red Firetrace Detection Tubing is the key to detecting fires where they start. By routing the tubing through the compartments to be protected, Firetrace's detection can get right to the source of the fire. Firetrace tubing is constructed from a proprietary polymer composition; it is immune to the dust, vibration and shocks associated with shredding. When the tubing is exposed to the heat and radiant energy from a fire, the tubing bursts, activating the system.



The red Firetrace Detection Tubing is routed from the tank to the shredder truck's grinding and collection areas, ensuring that detection is close at hand in the event of a fire.



This is one of the nozzles positioned in the collection area, ensuring fast, even delivery of the fire suppressing agent.



Adjacent to the shredder operation console is this manual release, which enables the operator to operate the system at the first sign of trouble.

While shredder trucks and shredding mechanisms are well built, even a small spark from metal deposited in the collection basin can quickly cause a devastating fire. Firetrace offers fully automatic systems to help protect the major investment shredder companies make in their trucks.

## Firetrace's Vehicle Applications

Firetrace has more than 45,000 systems installed protecting critical equipment worldwide. Firetrace has its origins in the late 1980's in the United Kingdom as a special hazard fire suppression system. Through the 1990's applications expanded to include enclosures such as machines, fume hoods, data centers and electrical cabinets as distribution increased in Europe.

In 2001, the worldwide rights to Firetrace were purchased by Firetrace USA, a group of fire suppression industry veterans who saw the value in creating fire suppression systems for "micro-environments." This concept is simply providing supplemental protection that suppresses fire quickly within the protected space before larger room or building systems would activate. As a result of this supplemental protection, fire damage, both direct and collateral, and costs associated with cleanup and downtime are significantly reduced or eliminated. Available in multiple system sizes (ranging from one pound systems to 50 pound systems) utilizing a variety of fire suppressing agent options, Firetrace is now the choice fire suppressing system for virtually any enclosed application, including shredder trucks.

## Why Choose Firetrace?

- Firetrace systems are totally self-contained, do not require any type of outside electrical source, and thus are not a drain on your truck's power supply.
- Firetrace systems will be designed with the right fire suppression agent for your truck and climate.
- Firetrace systems simple design and application can normally be installed in a few short hours.
- Firetrace's versatile detection tubing virtually eliminates false discharges and subsequent costly down time and expense.
- Firetrace's rugged detection tubing can be used in harsh environments where other types of detection would quickly deteriorate and render the system inoperable.
- Firetrace systems carry major listings and approvals such as UL, FM and ULC.
- Firetrace systems are supported by a network of over 250 distributors worldwide to assure your system is maintained to the requirements of the manufacturer and local authorities.

**FIRETRACE**<sup>®</sup>  
AUTOMATIC FIRE SUPPRESSION SYSTEMS

Distributor:

Firetrace is available exclusively through our worldwide distributors, each of which has been properly trained in the installation and maintenance of Firetrace systems. To locate the Firetrace distributor nearest you please contact us at:

### Firetrace International

15678 N. Greenway-Hayden Loop, Suite 103  
Scottsdale, AZ 85260 USA

1-866-607-1218 (US and Canada)

1-480-607-1218 (Elsewhere)

1-480-315-1316 (Fax)

Firetrace@firetrace.com

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

Firetrace has more than 20 international approvals and listings including:



Approvals and listings vary by system type and agent.