

# FIRETRACE<sup>®</sup> LTD

## AUTOMATIC FIRE SUPPRESSION SYSTEMS

### STOPS FIRES WHERE THEY START

#### Automated Machinery Protection

##### CNC / EDM

By the nature of their design automated machines make easy work of what were once labour intensive & expensive tasks.

These machines operate for hours unattended and often tasks are set up to run throughout the night to maximise efficiency.

Should anything go wrong during the process the machines should automatically stop and wait for the operator to return but what if this malfunction has caused a fire?

Not only is the expensive machinery now at risk but also the building & any occupants may now be under threat, and in the absence of the operator there is nobody to deal with the fire or raise the alarm.

That's where Firetrace<sup>®</sup> come in...



#### The Firetrace<sup>®</sup> Solution

Firetrace<sup>®</sup> have developed a range of Automatic Fire Suppression Systems ideal for protecting all types of automated machinery. The systems use our unique patented linear detection tubing which is installed throughout the risk areas of the machine. This tubing can quickly and accurately detect a fire whilst still being flexible and robust enough to withstand the harsh environments that often exist within them.

The systems don't need complex electronic detectors or panels and operate simply using pneumatics. This alleviates the need for separate power supplies or battery backups and also makes the entire system fail safe with minimal moving parts.

A choice of extinguishants are available to suit each application and the systems are easily interface able with the machines stop circuit, extraction / ventilation equipment, and the house alarm system.





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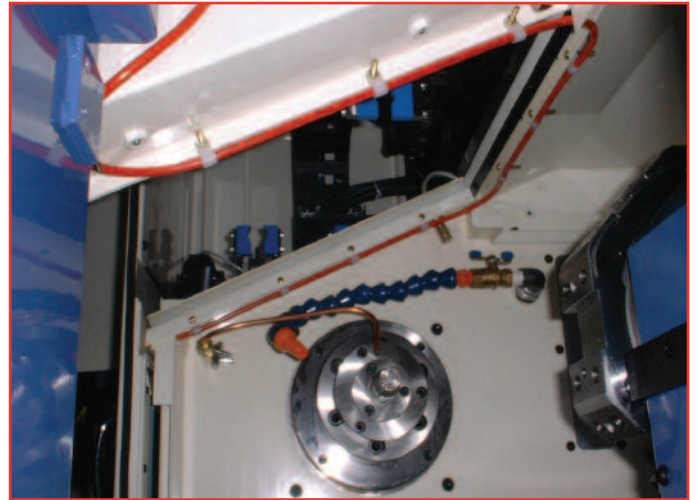


### So how does it work?

Firetrace<sup>®</sup> systems use the patented detection tubing which is installed around the risk and connected to the cylinder valve. The tubing is then charged with nitrogen and this pressure is utilised to hold the valve in the closed position.

Should a high temperature or fire occur then the pressurised tubing will burst and the cylinder valve will activate deploying the extinguishant immediately onto the fire.

A switch is also added to the system and is held closed by the pressure. Should the tubing burst or the pressure be lost for any reason then the switch will open and automatically stop the machine.



### Why Choose Firetrace<sup>®</sup>?

Firetrace<sup>®</sup> offer affordable suppression systems to protect critical items of plant & machinery. The system react quickly and minimising expensive machine damage and downtime. The systems can be easily retrofitted to existing equipment and avoid the need for complicated detectors and electronics.

All Firetrace<sup>®</sup> systems are CE marked and manufactured under our ISO 9001:2008 quality system.

Firetrace<sup>®</sup> have been manufacturing suppression systems for over 20 Years and have a vast experience in the Fire industry. We have a number of documented success stories where the systems have both detected and extinguished fires on CNC & EDM machines, with little or no damage to the equipment.

Firetrace<sup>®</sup> offer a full design, installation and after sales service and are recognised by most major insurers.



### Multiple Engineering Applications



**Firetrace<sup>®</sup> systems are suitable for all types of plant & machinery including:-**  
Injection Moulders  
Welding machines  
Extraction / Filtration  
Grinding

