FIRETRACE® LTD

info@firetrace.co.uk
01473 744090
www.firetrace.co.uk

AUTOMATIC FIRE SUPPRESSION SYSTEMS

By the very nature of their design, automated machines make easy work of what were once labour intensive and expensive tasks.
These machines operate for hours and often tasks are set up to run through 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 the building and any occupants may now also be under threat. In the absence of the operator there is nobody to deal with the fire or raise the alarm.

That's where Firetrace® come in....

Automated Machinery Protection

The Firetrace® Solution

The Firetrace® Automatic Co2 Suppression systems are ideal for protecting all types of automated machinery. These 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.

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

The systems can be simply retrofitted to existing machinery and are easily interfaced with the machines stop circuits, extraction or ventillation equipment and the house alarm system.

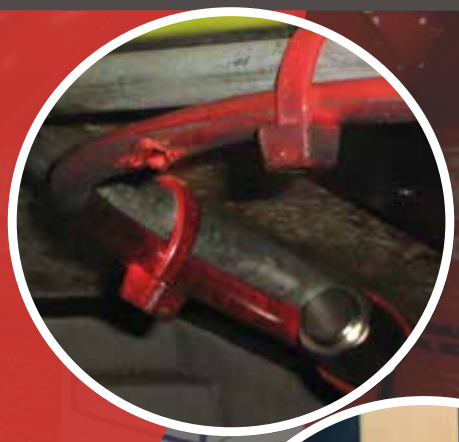
All Systems CE & Fully PED Compliant

Simple Automatic Fire Protection, No Complicated Electronics

FIRETRACE® LTD

AUTOMATIC FIRE SUPPRESSION SYSTEMS

So how does it work?



Firetrace® 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 pressursied tubing will burst and the cylinder valve will activate deploying the extinguishant immediately onto the fire.

A pressure switch is also added to the system. Should the tubing burst or the pressure lost for any reason, the switch will change state and automatically stop the machine and/or send a signal to a local alarm.

A manual activation point can be added to the system to activate the discharge of the system should a machine operator witness ignition of a fire within the enclosure.

Why choose Firetrace®?

Firetrace® offer affordable suppression systems to protect critical and expensive machines. The system react quickly to minimise 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® systems are CE marked and manufactured under our ISO 9001:2015 quality system

Firetrace® have been manufacturing suppression systems for over 25 years and has vast experience in the fire industry. We have anumber of documented success stories where the systems have both detected and extinguished fires on CNC machines and spark eroders with little or no damage to the equipment.

Firetrace® systems are suitable for all types of machines including:-

- Injection Moulders
- Welding Machines
- Extraction & Filtration
- Grinding Machines

STOP FIRES WHERE THEY START

Issue 4 Mar 2019