



# CNC & Machine Tool Fire Protection



## THE RISK: Fires in CNC Machines and Machine Tools

Fire protection of CNC and other machine tools is critically important as there is a great risk of fire in these valuable machines. Fires can quickly cause expensive down time, costly repairs, possible human injury and damage to plant and equipment.

The number of CNC machines throughout the world has grown dramatically as they have become established as state-of-the-art equipment for milling, drilling, grinding, tapping, honing, turning and other operations critical to manufacturing. These machines can cost up to \$200,000 each, and are designed to run 24/7 in a demanding, often grueling work environment.

Fires in CNC machines are commonplace. Using oil-based coolants, typically combustible petroleum or mineral oil, flash fires are reported as a "fireball" when oil mist is ignited. Without an immediate and automatic fire suppression solution in these "micro-environments", these fires can be catastrophic to the operator and result in significant downtime and expensive property damage. While sprinklers are often required by insurance, they will only control the spread of a fire throughout a plant. Stat-X® offers a compact, economical and reliable solution to protecting the CNC machine and operator from extensive and costly damage and injury.

## THE SOLUTION: Stat-X Fire Suppression

### *Advanced Technology*

Stat-X condensed aerosol fire suppression technology offers the CNC machine owner a compact and economical fire extinguishing solution. A Stat-X unit consists of an extremely rugged, sealed, stainless steel canister containing a stable, solid compound. The canister is durable and non-pressurized, and is designed to withstand the harshest environments. In the event of a fire, Stat-X units automatically release ultra-fine particles and propellant inert gases which quickly and effectively extinguish fires without depleting oxygen levels and with no negative impact on the environment.

The Stat-X unit is designed to extinguish the fire in seconds, often even before an operator has time to react, and to put out the fire, enabling production to resume within an hour.

Hundreds of CNC machines throughout the world are being protected by Stat-X units. It's time you considered these for your machines!



*Stat-X® extinguishing units are compact and modular.*

### **Versatile Applications**

Stat-X units are available either as electrically activated units, integrated with a variety of fire detection systems, or as manually-activated units, with a cable-pull action. They are available in several sizes, adaptable to a great variation of applications.

Typical CNC and machine tool installations include a single Stat-X aerosol generator installed with a linear heat fire detection system, an interface with the machine's emergency shutdown system, and a release control panel. The simplicity of this system results in an extremely robust and versatile fire suppression system for the machine shop owner.

Retrofitting into CNC machines is fast and easy, and requires minimum installation time.



### **Highly Economical**

Installation of Stat-X units requires minimal expense as it is typically bolt-on. The simple and robust design requires virtually no maintenance, thereby reducing ongoing operating costs. Discharge of the extinguishing agent causes no harmful byproducts, so in the event of a fire, downtime is kept to a minimum.

### **Proven Success!**

Stat-X fire suppression systems are being used by hundreds of tools used by machine and tool and die shops throughout the world. This is a proven solution that can save you downtime, costly repairs, and greatly reduce the risk of human injury. To locate a distributor in your region, please call or email us, or visit our website at [www.statx.com](http://www.statx.com) today!



*Stat-X fixed system protecting CNC machines with internally mounted aerosol unit.*



*Stat-X automatic generators protecting CNC machine with an externally mounted aerosol unit.*

### **The Advantages**

- Effective fire suppression
- 24/7 automatic protection
- Extended service life
- Ideal for remote locations
- Rugged, sealed stainless steel construction
- Compact and modular design
- UL Listed (and many other certifications)
- Zero Global Warming potential
- Zero Ozone Depletion potential
- Non-toxic (when designed and operated to listing requirements)
- Easy retrofit option
- Low maintenance required
- Low cost

## Stat-X Technology Protects Critical Infrastructure Worldwide

Today there are thousands of Stat-X installations protecting lives and property on six continents.



### Approvals, Listings, and Certifications

The advanced technology used by Stat-X products is covered by NFPA® 2010 Standard for Fixed Aerosol Fire-Extinguishing Systems. Current approvals are shown below and more are pending. Contact your Stat-X representative for details, limitations, and the latest listings.



### Committed to Quality and Technology

Stat-X® is manufactured by Fireaway Inc., an ISO 9001 certified company with USA manufacturing in Minnetonka, MN and Minden, LA. Application questions? Contact an authorized dealer or Fireaway direct.

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