

**CNC©****Oil Reservoir Additive**

- ◆ **Halts fungus growth in synthetic and semi-synthetic reservoir oils & destroys fungus, bacteria & tramp oil**
- ◆ **Keeps systems clean and efficient, and does not affect the cutting, cooling or lubricity of the oil**
- ◆ **Safe for use in all cutting, grinding & milling machines**
- ◆ **Is non-hazardous**
- ◆ **Packaged ready to use**
- ◆ **Greatly reduces downtime**
- ◆ **Saves tool replacement and sharpening costs and time**
- ◆ **May also extend the effective life of some fluids**

PLUTUS CNC© Milling Machine Additive© Milling Machine Additive is designed to be used in any milling, grinding or cutting machine that has a reservoir for coolant and/or cutting oil.

CNC© Milling Machine Additive is a non-hazardous product that is formulated to break down tramp oil accumulations that form on the liquid surface in the reservoir. CNC© Milling Machine Additive kills bacterial growth in water-based fluids. By killing the bacteria, CNC© Milling Machine Additive eliminates the offensive odor normally associated with these liquids. CNC© Milling Machine Additive stops fungus "oysters" that so often appear in oil based or semi-synthetic fluids.

The most plaguing problems for cutting tool machine operations are spray nozzle aperture stoppages and the clogging of the associated fluid delivery lines. These

conditions result in ruined or damaged cutting tools, inferior parts and higher reject rates, increased maintenance downtime and reduced bottom line products.

These clogging and stoppage conditions are primarily caused by fungus. The fungus occurs in the form of strings or threads and masses that look oysters or mushrooms. The fungus will compact in spray nozzles completely stopping the flow through the nozzle. The fungus will also build up on the inside of supply lines until the coolant or cutting oil is reduced to an inadequate flow volume. The result of these stoppages and reduced flow volume is premature dulling or complete ruin of cutting tools, binding of tools so that the bearings of the machine seize, and production of inferior parts.

Another problem commonly encountered is the offensive odor caused by bacteria in water-based fluids. Machines that are allowed to sit idle for extended periods of time, and even those machines that are used infrequently tend to develop a stale or rotten odor. The CNC© Milling Machine Additive formulation includes microbicides and fungicides to eliminate these bacteria and fungus growths. CNC© Milling Machine Additive also contains a drying and anti-corrosive agent to assure minimal oxidation of tools & finished parts.

CNC© Milling Machine Additive is easy and simple to use. CNC© Milling Machine Additive is packaged in convenient 4 ounce treatment size bottles and is available in bulk for centralized

supply delivery systems. A normal treatment is one bottle for a 30 gallon, or similar sized, reservoir. Larger reservoirs will need a larger treatment, usually an extra bottle. Initial treatment of dirty reservoirs and extra heavy use machines may require additional treatments.

Maintenance is reduced with CNC© Milling Machine Additive. Treatment varies with use and idle time. Light duty machines will normally require one bottle per month. Extra heavy use machines may require weekly treatment. CNC© Milling Machine Additive should be added when fluid is added or replaced. The recommended dosage is one bottle per 20 gallons of new fluid.

CNC© Milling Machine Additive lowers the viscosity of oils so that the fluids drop off the conveyors and screens quicker. This means that fluids are returned to the reservoir for reuse rather than dripping in the floor. Fluids from machine drips and leaks are a major cause of workplace injuries from slips and falls.

CNC© Milling Machine Additive is the "extra man" on your maintenance staff. The low cost and ease of application of CNC© Milling Machine Additive will greatly reduce downtime, save tool replacement and sharpening cost and time, and reduce the number of rejected parts. CNC© Milling Machine Additive will improve employee morale by having less foul odor and danger of injury from slips and falls in the workplace. CNC© Milling Machine Additive may also extend the effective life of some fluids.