

Evaporating Minimum Quantity Lubrication

Working towards a safer and sustainable path to using coolants

Adopting MQL is a significant step towards reducing the traditional health, safety, environmental and productivity risks from flood coolant use.



With the true cost of soluble coolant use typically 7% – 20% of total production costs there are benefits to convert suitable applications to MQL.

However, traditional MQL fluids are made from mineral or vegetable based oils. Whilst these oils work in a number of applications there is still an ecological impact and a moral question to their continued use.

In some applications the oil film can be left on a component for protection but for others there is a need to clean, incurring additional processes and costs, and over time the machinery also becomes contaminated with oil residues posing a fire risk.

Application benefits of e-MQL

With a viscosity of 2 cSt. **e-MQL** is formulated from quality raw materials, synthesized in the laboratory.

e-MQL is low odour, does not stain and is suitable for use on a multitude of metals in a variety of applications from Sawing to Through Tool Delivery in Milling and Turning applications.

The major benefit of **e-MQL** is it evaporates, leaving no discernible residual coating. In certain applications this can be a significant advantage where it may be possible to eliminate or reduce the amount of post machining cleaning operations.



Parts clean off the machine

