

# Macron EDM 110

EDM oil with excellent cooling and cleaning ability



## | INTRODUCTION |

Macron EDM 110 is a newly developed EDM oil product that has excellent cooling and cleaning properties. It is colorless and odorless low viscosity coolant which is very advantageous for processing precision parts because it has higher precision of machining area than general oil.

## | FEATURES |

- Safe working atmosphere

The purpose of Macron EDM 110 is mainly in the cooling action of the generated heat. However, when the service life is prolonged, the machining precision is reduced due to the interference caused by the chip separated from the machining area. Macron EDM 110 is a low-viscosity oil that quickly precipitates fine chips that can be dispersed in oil, while using a high-flash point base oil.

- Extend the oil life time

Petroleum base oils are mainly hydrocarbons, which are easily oxidized by oxygen in the air. Normally, when the oil is oxidized, an oxide is formed in the early stage, and again, an insoluble substance such as polymerization of the oxide, condensation, sludge, and acidic substance is produced. Macron EDM 110 contains an antioxidant that allows for continuous use for a long period of time, as long as it is not polluted by foreign substances.

- Reduce usage

Since Macron EDM 110 is a low-viscosity, high-flash point product, the amount of oil on processed parts are small, but also the amount of volatilization is much less than other products when the oil temperature rises. It is economical because it has less replenishment amount than low flash point and high viscosity product.

- Human influence and workability

Macron EDM 110 is manufactured from well-refined Base Oil and has no poisonous smell of oil itself, so it does not create an unpleasant or harmful atmosphere for workers. Especially, it does not cause irritant dermatitis, which often occurs when volatile and low viscosity oil is used. In addition, Macron EDM 110 is very stable in terms of machining accuracy and has a good effect.

## | PHYSICAL PROPERTIES |

Appearance		Transparent
Specific gravity	(15/4℃)	0.80
Kinematic Viscosity	(cSt, 40℃)	2.3
Copper Corrosion	(100℃, 1Hr)	1a
Flash Point	(℃)	105

## | APPLICATION |

- Applicable material: Applicable to all metals such as alloy steel and nonferrous metal.
- Application: Used for general cutting such as Turning, Milling, Drilling, Tapping and others.

## | STORAGE |

- Handling : Avoid Squirts When Decanting, Keep drum closed When not in use.

## | PACKING & SAFETY |

- Tank/Lorry, Tote, Drum(200LT), Pail(20LT)
- For your Safety, Refer to the Material Safety Data Sheet.