

Wire cutting fluid

● Performance Overview

Maxtop Wire cutting fluid is specially designed for electrical discharge wire cutting processing. It features highly efficient cooling and lubrication performance, quickly removing processing heat and ensuring cutting accuracy and surface finish. It contains anti-rust components, protecting workpieces and machine tools from corrosion and extending the service life of equipment. It adopts a low-odor and environmentally friendly formula, free of irritating volatile substances, ensuring operational safety and environmental friendliness. It is suitable for conductive materials such as stainless steel and hard alloy, and is compatible with CNC wire cutting machines.

● Features

01

Protect the metal surface from oxidation and corrosion, and is suitable for various equipment such as fast wire cutting and slow wire cutting.

02

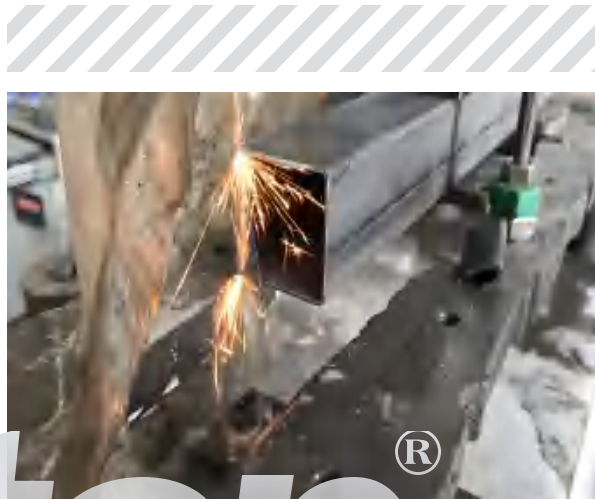
It contains no harmful substances such as chlorine, sodium nitrite and phenol, and is non-irritating to the skin, meeting the green production standards.

03

Adapt to high-pressure systems and both soft and hard water environments, reduce foam interference, and maintain processing stability.

04

The unique emulsifier formula reduces friction, quickly removes heat, minimizes molybdenum wire loss and enhances cutting efficiency.



● Application Scenario

- 1: Mold manufacturing and processing
Compatible machines: Fast wire cutting/slow wire cutting machine, CNC machining center
- 2: Precision parts processing
Compatible machines: Slow wire cutting machine, high-precision CNC machine tool
- 3: Cutting of hard materials
Compatible machines: Diamond wire cutting machine, special equipment for hard alloy
- 4: Batch production of parts
Compatible machines: medium wire EDM cutting machine, automated cutting equipment
- 5: Advertising art and handicraft processing
Compatible machines: Fast wire cutting machine, electrical discharge engraving machine

Performance indicators of wire cutting fluid

Project	Quality indicators
Appearance (15-35°C)	A uniform brownish liquid
PH value of 5% emulsion	7~8
The stability of 5% emulsion (15-35°C, 3 hours), ml shall not exceed	0.5
Rust prevention of 2% emulsion (iron sheet, single sheet, 15-35°C), h not less than	8

Maxtop®