

Long-awaited Equipment !! Remove bad odor from cutting oil !

Monthly electricity charge is only

32.5 Yen!

*Per 1m³ of water

Water-soluble Cutting Fluid Deodorization System

Model IDJ-CuI

CLEVER SYSTEM®

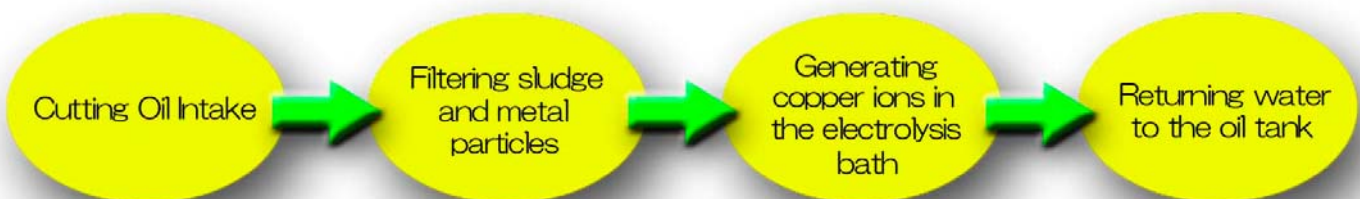
Causes of bad odors

Increase in water temperature during the machining creates an optimal living environment for fungi in water soluble cutting fluids which are used for improving the machinability and cooling down the cutting tools. At the same time, the splashes of the cutting fluids come in contact with unwanted bacteria in the air and the fungi in the fluids rapidly grow its number, causing strong septic odor or mold odor.

Effects

By putting the copper ions generated by electrolysis into water-soluble cutting oil, the deodorization effect is produced.

Operation Flow



The sterilization effect is produced about 2 to 7 days after the system is activated and as the water-soluble cutting fluid and copper ions are mixed. (The effect varies, depending on the environment temperature and capacity of the oil tank.)

CAUTIONS

- It is not applicable for the water-soluble fluid containing more than 15% of the cutting oil and thick cutting fluid. Use the water-soluble cutting fluids diluted at least 8.5 times within the specified range.
- Accessory filtering cartridge is inserted to prevent wear of the circulation pump inner impeller caused by sludge and metal chips in the cutting fluid. It is not for filtering the cutting fluid.
- No water/oil splashing

Machine Specifications

Operation hours:	Specified using the timer. (Default: 2-min operation [green], 1-hour stop [red])
Machine size	D360*W720*H360
Weight	24Kg
Power	Single-phase 200V 200w/h Max 8 hours of operation 54 to 200w/h/D (variable)
Copper ion concentration	Specified using the timer (Approx.0 to 10ppm/L)
Electrolysis current	VOL variable LED indicator (Green, Yellow, Red)
Electrical conductivity	Within 700 to 18,000 μ S/Cm
Connection pipe diameter	20A
Connection pipe	Oil resistant tubes
Filter paper size	Before 100 μ
Filter paper	10" filter cartridge (commercially available)
Cutting fluid component	Water 8.5: oil 1.5, water-soluble fluid diluted at least 8.5 times (Processing is not available if there is too much oil.)
Water temperature	Within 15°C to 40°C

Maintenance

1. Regular replacement of the filter paper cartridge
2. Only when the electrical current indicator LED becomes drastically low, clean the surface of the electrodes.

Appearance and specifications are subject to change without a prior notice.
CLEVER SYSTEM is registered trademark of IGADEN Co., Ltd.

■ Manufacturer

IGADEN CO., LTD.

78-4 Shinoyama, Joso City, Ibaraki Prefecture

TEL:+81(297)42-6372 FAX:+81(297)42-8335

URL:<http://www.igaden.com/>

Mail:idj@igaden.com

■ Distributor: