

Sales Points

SuperCleanox II;IV+;VI



**Electrochemical cleaning, polishing and marking
with carbon fibre brush**



Application Video: <http://www.youtube.com/watch?v=y4Tk-itnCX0>

Oreuters Stainless Steel Weld Cleaning System is a stylish, portable kit which quickly and efficiently cleans stainless steel welds and refurbishes stainless steel surfaces rapidly, safely efficiently and cost-effectively. The system uses an electro-chemical process, combining low-toxicity fluids with a robust power supply and distinctive brush design to produce better results than competitor products. It provides one-step cleaning and passivation, requires minimal user training, and gives welders complete control over the surface finishing of their work. In all applications, the Super Cleanox 6 eliminates the need for the highly toxic and hazardous acids (“pickling paste”) that were traditionally used for this operation.

Electrochemical cleaning is used for the removal of undesired temper colours, oxidation and light scaling as well as for passivation without damaging the surface structure of the metal. Unlike grinding or brushing, specific surface properties (e.g. ground, brushed, polished or dulled).

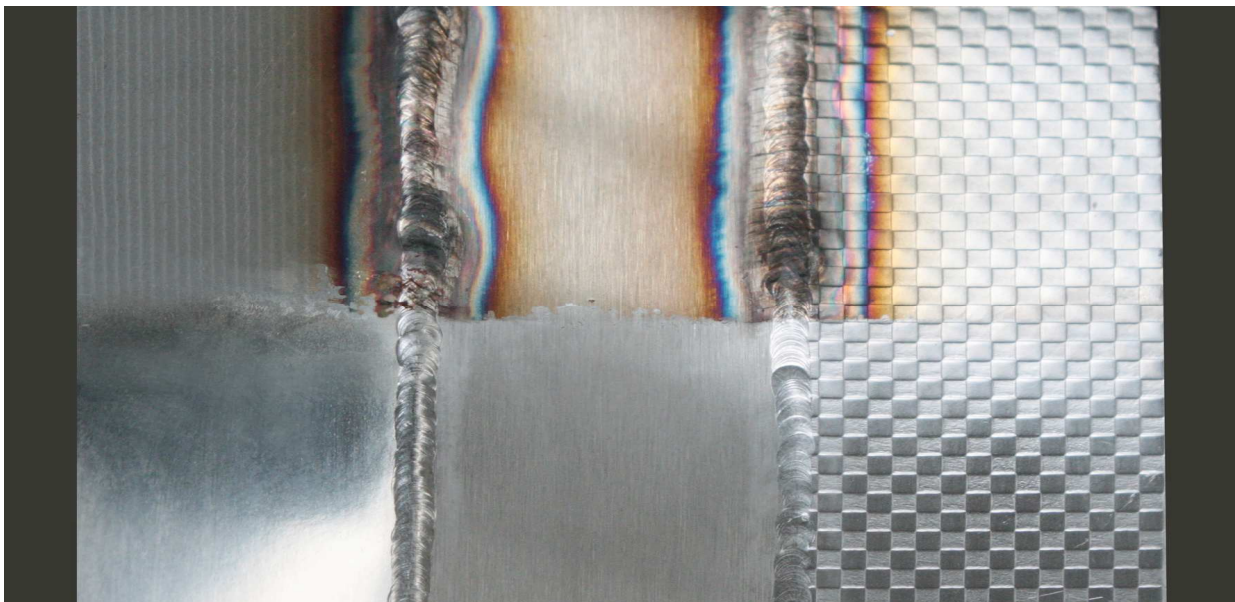
In contrast to aggressive pickling sprays or pastes, the majority of which consist of toxic hydrofluoric or nitric acids and require special disposal measures, Oreuters uses environmentally compatible mineral acids, which can be diluted with water and neutralised for disposal for electrochemical cleaning. The redox processes are accelerated by the electrolytic reaction – this leads to excellent cleaning results, even with very low pickling electrolyte concentrations.

Cleaning and passivating weld seams with unmatched speed and precision:

The high device power and millions of small arcs on the tips of our carbon fibre brushes clean TIG, MIG, and MAG weld seams quickly and thoroughly. Even brazed components are no longer a problem. The innovative carbon fibre brush can easily access corners and radii that are otherwise hard to reach with our successful carbon electrodes and felts. This ultra fast cleaning performance and simultaneous passivation enhance your productivity – completely free of polluting pickles. Our cleaning electrolytes are completely nontoxic and are also used as a food additive (E338), e.g. in cola beverages.

Advantages of electrochemical cleaning:

- One-step weld cleaning and passivation
- Powerful, fast, high-quality weld cleaning
- Superior surface protection
- Safety improvements compared to toxic pickling paste
- No marking lines that are left from using pickling paste
- Economical costs
- 100% duty cycle to increase productivity



SuperCleanox Advantages

- Robust power source

The Oreuters product range has a greater output than competitor brands 2500VA compared to the TIG brush TBX-700 which is 700VA.



- Increased productivity

The major advantage of the Oreuters Supercleanox VI compared to competitors is the visible reduction in weld cleaning time due to the increased power source even on the lowest function.



- Storage kit

Provision of a unique storage kit to ensure the machine is protected as well as plastic containers for electrolytes and water to minimize usage of consumables.



- Robust Leads

The Supercleanox VI comes standard with heavier duty 10mm² cables with extensions available on request.



- Leads locking system

Leads are standard with a integrated heavy duty current socket and 200amp insulated gold plated laminated contacts to prevent corrosion and ensure maximum conductivity.



- Carbon fiber brush design

The effective life of the Oreuters carbon fibre brushes is between 60-100 hours.

This is as a result of:

1. Increased finer carbon fibres in the brush of up to 1.5 million
2. Outer Teflon sleeve to ensure fibres only protrude 5-10mm ensures optimal cleaning results as only the carbon fibre tips have contact with the workpiece and this allows numerous small arcs to be produced!
3. Outer Teflon sliding sleeve can be adjusted to compensate for fibre wear which occurs at the head of the brush



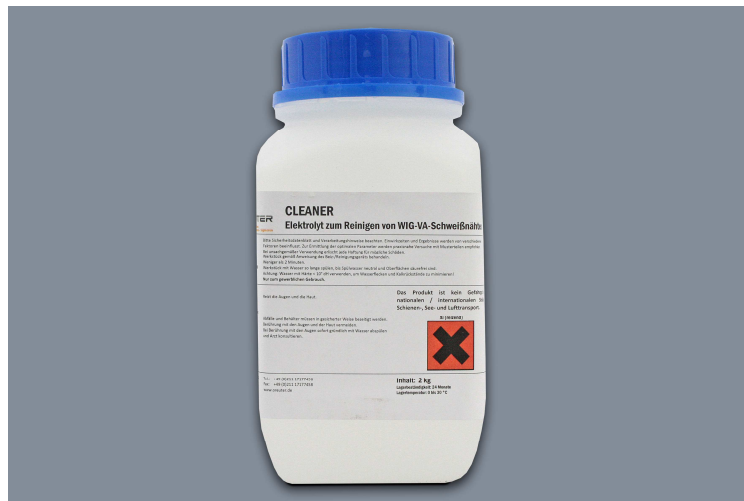
- Simple marking

Custom templates are designed seamlessly through Oreuters with a custom carbon block brush that can be easily fitted to the machine.



- Non-toxic electrolytes

Food quality electrolytes that are non-toxic and can be diluted with water and neutralised for disposal for electrochemical cleaning



Free consumables

- 1 robust plastic box
- 1 teflon grip with 4 m 10 mm² cable
- 1 4 m 10 mm² earth cable with robust cast brass clamp
- 1 cleaner electrolyte 0.5 kg
- 1 polisher electrolyte 0.5 kg
- 1 x L brush
- 1 x XL brush
- 1 Wide neck receptacle
- 1 spray bottle for water
- 1 50 ml marking electrolyte
- 1 cleaning/marking grip with 60°+90° carbon electrode
- 5 felts fro cleaning
- 5 felts for marking
- 1 thin black 2 m cable
- 1 set of gloves
- 1 pair of goggles
- 1 apron

Value: \$1408 free of charge

