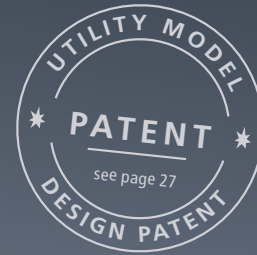


The Catalogue

2024/2025

new



The HybridCleanox:
Battery and inverter technology
under one bonnet

Electrochemical
Weld Cleaning, Polishing, Marking

Content

About Reuter	2
The process	3
The HybridCleanox	4
The Cleanox series	6
The AkkuCleanox	8
The SuperCleanox family	10
The AutoFeed system	12
The Signox series	14
Accessories for marking:	
- Marking electrolytes	16
- Marking set	16
- Long-term templates	17
- Label printer	17
Carbon fibre brush	18
Cleaning electrolytes	20
www.reuter.works	21
Surface after-treatment	22
Surface cleaners	23
WorkStations	24
Preview	28

A complete overview of all Reuter products and prices can be found in our current price list.

We reserve the right to make changes.
Status: September 2023

Magic metal works – made in Germany

May we introduce ourselves?



in Erkrath near Düsseldorf, Germany, Reuter GmbH & Co. KG manufactures state of the art technology for electrochemical cleaning, polishing and marking. All the devices offered have been developed by us and are produced in series. Numerous technologies have been patented or are subject to utility model protection.

Our in-house claim ‚magic metal works‘ is the motivating power behind each device line:

- smart solutions that can replace significantly more complex technologies
- ease of use
- scalable product range – for trade and industry
- 100 % Made in Germany
- high continuous loading capability with 100% duty cycle
- outstanding price-performance ratio

Do you have questions about our products – or perhaps a special task which is proving to be difficult? Please feel free to contact us. Send us your samples. We will work it out for you.



Mechanical engineer and welding engineer Dipl.-Eng. Olaf Reuter, owner of Reuter GmbH & Co. KG, stands for solid know-how in this sector. Over 25 years of experience in arc welding technology and voluntary engagement in DIN committees stands for practical expertise.

Electrochemical Cleaning, Polishing, Marking

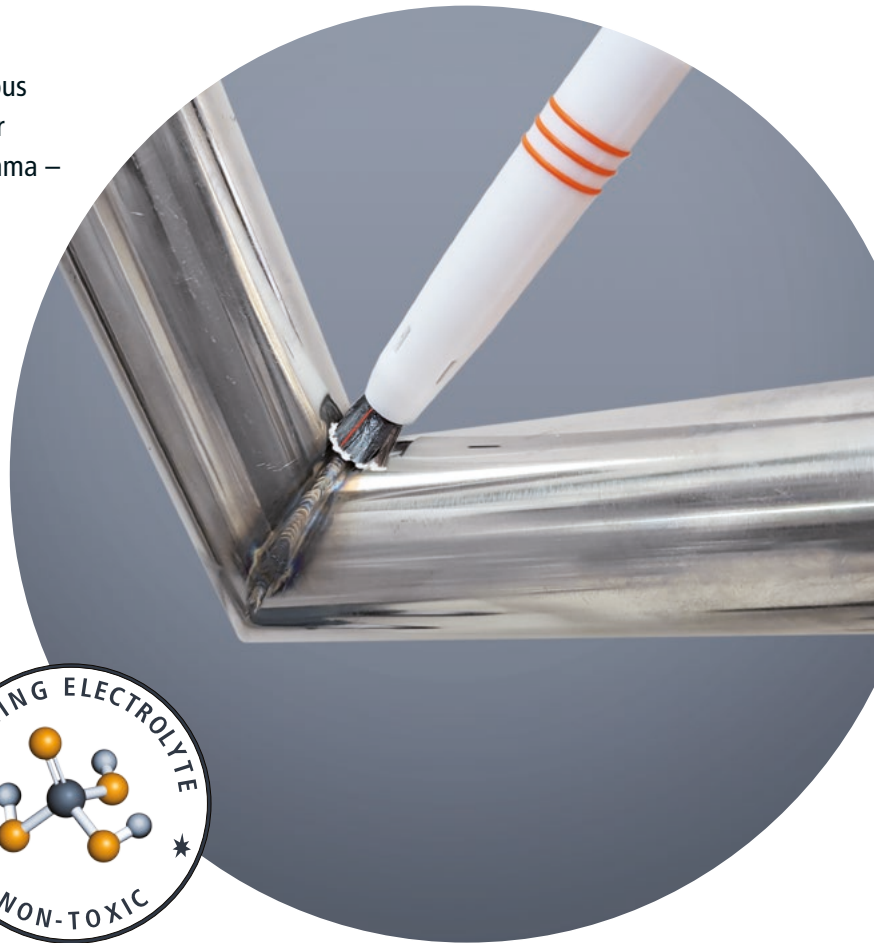
The process

Take a million carbon fibres, a good 100 A continuous current, plus the right electrolyte: the welder has never polished so quickly. This solves the main welding dilemma – tarnish, scaling and rust, which are caused by the destruction of the passive layer during welding, are simply brushed away.

This is made possible by the high energy density and the conductivity of the up to 4.5 million carbon fibres: electric arcs are created at the tip of the fibres. These remove tarnish, oxidation and even light scaling in a flash, without damaging the surface.

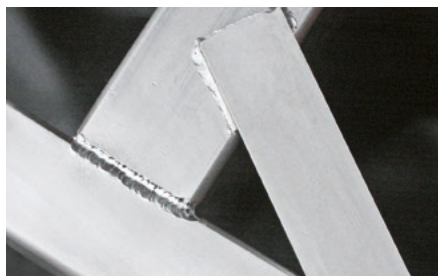
Our cleaning electrolyte is the non-toxic food additive E338, also known from cola drinks. It cools, increases the electrical conductivity and protects against renewed overheating by evaporation. The oxygen split off in the process combines on the metal surface to form chromium oxide: in this way, the protective passive layer is restored in the same operation. This effect has been certified by the Federal Institute for Materials Research.

The cleaning effect is therefore not created by etching or grinding, but is gentle on the surface due to the extremely high energy density. When brushing, the carbon fibres nestle exactly to the shape of the workpiece; by flexibly extending the fibres from the Teflon sleeve, corners and crevices can also be reached. Suitable brush shapes and sizes are available for every cleaning task.



Mirror-smooth polishing: Our switchable AC/DC units also allow polishing to a mirror-smooth surface in direct current (DC) mode. Heavier discolourations can be removed and levelled, matt areas in the HAZ can be brought to the desired gloss level.

Forgery-proof marking: You can also apply your own signatures to your workpieces with the help of a marking template or with a label printer. Dark-marking introduces oxidation into the surface; light-marking removes parts of the surface – like an engraving, but not dark. Both processes are durable and resistant to chemicals or abrasion – which is why they are often used on surgical instruments, tools and sanitary fittings.

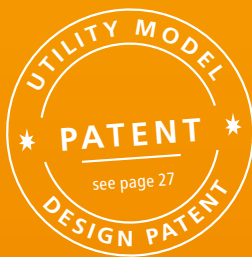


The AkkuCleanox

Freedom for weld seam cleaning



**The first battery-operated
weld cleaning device
worldwide**



High up on the wind turbine, in the middle of the stainless steel silo, somewhere on the scaffolding: What to do when no extension cable is long enough? With the AkkuCleanox you can get anywhere. Weighing just 8.5 kg, it is one of the lightest devices on the market – and extremely powerful with up to 100 A continuous current. The operating time of the battery in standard mode is up to two hours.

Cleaning electrolytes

Guaranteed non-toxic



Chemical production at Reuter

Electrolytes for cleaning & polishing

With the Reuter electrolytes you clean and polish super fast in one step. The surface is then protected against corrosion. Immediately.

The high processing speed is not least due to the formula: We use only high-quality natural mineral acid – and do not use stabilisers, sulphuric acid or tensides. Our mineral acid is guaranteed non-toxic and, among other things, approved as food additive E338 – for cola drinks, for example. We produce all electrolytes ourselves and fill them ourselves in modern automated filling plants.

The Cleaner is recommended as an electrolyte for cleaning slightly oxidised TIG welds, the SuperCleaner is suitable for heavily tarnished or oxidised welds. And the Polisher is used for polishing stainless steel surfaces, but is also ideal for all cleaning tasks.

All Reuter electrolytes come in super-tight bottles and canisters with UN hazardous goods approval: indestructible and in the stylish Reuter orange. You have the choice between the 1-litre bottle, the 5-litre canister or the 25-litre canister.



Cleaner

1 litre – Item no.: EP-04-130
5 litre – Item no.: EP-04-041
25 litre – Item no.: EP-04-140

SuperCleaner

1 litre – Item no.: EP-04-131
5 litre – Item no.: EP-04-042
25 litre – Item no.: EP-04-141

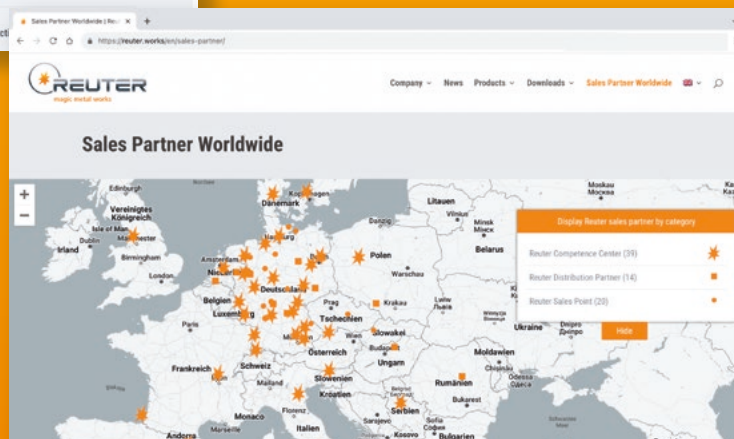
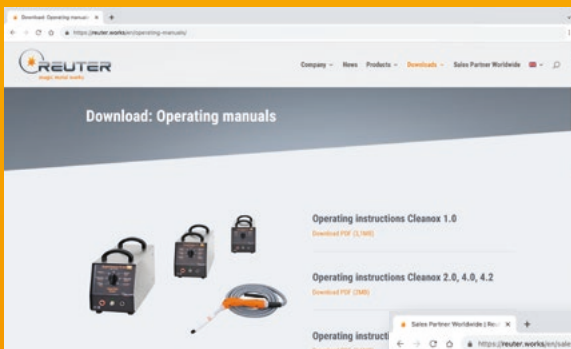
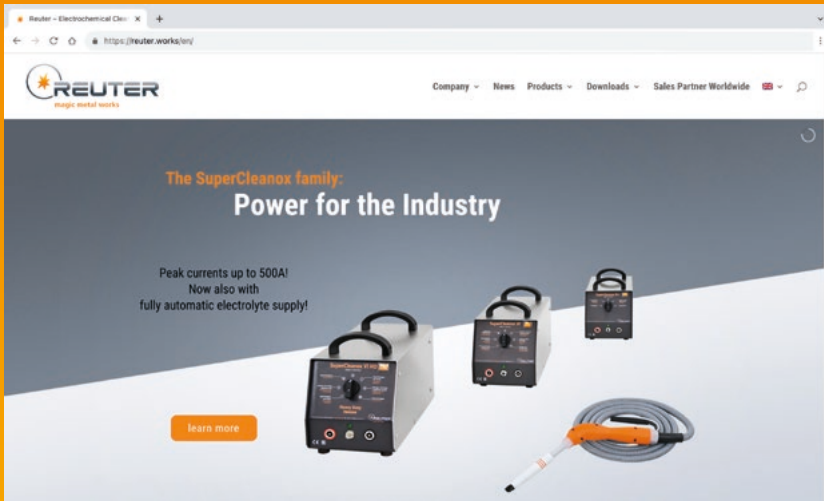
Polisher

1 litre – Item no.: EP-04-132
5 litre – Item no.: EP-04-043
25 litre – Item no.: EP-04-142

Our recommended prices
you will find in the current price list.

www.reuter.works

Know how, know where, know when



Reuter on the net:

- ✓ Sales partners worldwide
- ✓ Operating instructions & safety data sheets
- ✓ News & events

www.reuter.works

Top products deserve premium service and competent consultation. That is why we do not sell our products via an online shop but exclusively through qualified sales partners.