REUTER®
magic metal works

Is it a mystery?

No. It's Electrochemistry!

The AkkuCleanox:
Fully portable power for ≥ 90 min.

The first battery-powered weld cleaner in the world

see Page 10

Electrochemical
Cleaning, Polishing, Marking

General Catalogue 2017/2018

REUTER®
magic metal works

Cleaning
Polishing
Marking

Electrochemical Cleaning, Polishing,

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Cleaning, Polishing & Marking

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For Marking only

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All prices are non-binding price recommendations and apply without VAT and freight costs. Subject to price revisions.
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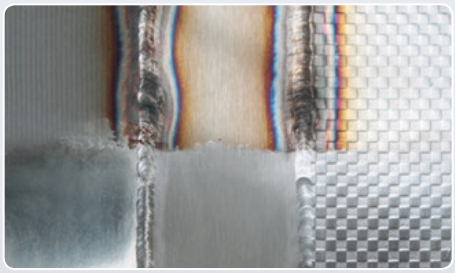
The welding dilemma

Stainless steels are corrosion resistant due to a thin passive coating of chromium oxide. Heat during welding destroys this layer; the surface is then susceptible to corrosion. Tarnish colours and oxidation layers must therefore be removed after welding and the surface must be repassivated.



This is done either chemically or mechanically. Chemical cleaning by pickling is poisonous, requires long exposure times and leaves unsightly pickling edges. Mechanical methods by brushing or grinding are not poisonous – but mostly leave ferrite or iron oxides on the surface that cause new rust. Blasting methods, on the other hand, are associated with high vibrations.

All methods have a major common disadvantage: The surfaces must be passivated in a further work step. This can be done either by storage under controlled air humidity and oxygen supply conditions, or with the aid of a passivation agent that will again affect health and the environment.

Magic? No – electrochemistry!

Our newly developed method cleans and passivates metal surfaces electrochemically using high-current electric arcs – in one work step! The user wets the work piece with non-poisonous electrolyte fluid and passes a carbon fibre brush over it – millions of electric arcs do the rest.

A similar principle has already been applied for two decades with the tampon method, which is based on moving a piece of electrolyte-soaked felt on a carbon electrode. However, this method never grew beyond a niche market, due to the low electrical output and the small contact area of the electrode.

Old method: Welding seam cleaning with tampon

Only our newly developed carbon fibre brush in combination with new, high-power device technology have made this intelligent electrochemical method with all its advantages suitable for industrial applications.

Marking

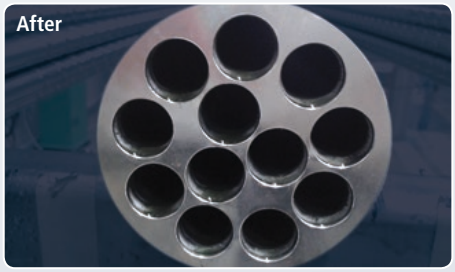
Cleaning with carbon fibres

Carbon fibres are excellent conductors. Our carbon fibre brush contains up to 1.5 million of them; they conduct high current to the work piece with a current density of up to 250 A per cm². Electric arcs form at the tips of the carbon fibres – similar to the process in TIG welding. These millions of small electrical charges are electronically limited to a length of 5 µm. They remove tarnish colours, oxidation layers and even minor scaling at lightning speed without damaging the surface.

The electrolyte liquid is used to increase electrical conductivity and provide cooling. Evaporation generates a protective gas atmosphere that protects against new corrosion. The split-off oxygen forms chromium dioxide during the cleaning process – which restores the protective passivation layer! This effect was confirmed for us by the IGOS Institute in Solingen after standardised tests with salt spray.

The cleaning effect is not achieved by etching or pickling – as is the case with the devices made by our competitors – but almost exclusively through the extremely high energy density. Our cleaning electrolyte is the non-poisonous E338 food additive – which is also used in cool drinks.

Carbon fibre brush in action



The fibres of the carbon fibre brush hug the shape of the work piece during the cleaning process; different brush sizes, shapes and types make any cleaning task easier. Flexible extension of fibres from a Teflon sliding sheath can be used to reach corners and gaps. And our patented in-pipe brushes allow pipes and holes to be cleaned from the inside.

Mirror-smooth polish

Our switchable AC/DC devices also facilitate direct current (DC) mode for high-gloss polishing. Strong discolouration can be removed or evened out and dull areas in the heat-impact zone can be treated to the desired level of gloss.

Forgery-proof marking

A writing template or label printer can be used to produce individual signatures on your work pieces. Dark marking applies an oxidation layer to the surface; bright marking removes parts of the surface - like engraving, but does not look dark. Both methods are permanent and resistant against chemicals and abrasion – and are therefore often used for surgical instruments, tools, sanitary fittings, etc.

- Cleaning
- Polishing
- Marking

The SuperCleanox family:

Power for the industry

The SuperCleanox range has been designed for heavy-duty industrial use and has proven itself after years of use in multi-shift operation by reputable customers. Capability and reliability were the top priorities during the development phase. The devices are designed for a 100% duty cycle; they reach peak currents of up to 400 A during cleaning and polishing – the highest performance level on the market.

Our SuperCleanox devices are sold as complete kits; giving you everything you need to get started straight away.
The illustration shows everything included with the SuperCleanox VI.

Devices by competitors only reach a maximum of 60 A and are then switched off or throttled. The SuperCleanox series achieves a significantly higher output, facilitating faster and interruption-free work. An additional benefit: The cable length to the work piece can be drastically increased, which is particularly advantageous on building sites.

The SuperCleanox series are AC/DC devices – in other words, they take both alternating and direct current to clean, polish and create both light and dark marking patterns.

SuperCleanox VI HD

Item No.:	**EP-01-017 HD**
Power output:	3,450 VA
Weight (set):	32 kg
Dimensions:	190x200x450 mm
Mains voltage:	230 V / 50 Hz / 16 A
Secondary voltage:	6-21 V AC/DC
Protection class:	IP23

Heavy duty!

At 3,450 VA, this is currently the most powerful welding seam cleaning device in the world. Three power levels cover all requirements: from gentle cleaning of thin, TIG-welded metal sheets to polishing strongly tarnished or scaled MAG welding seams. The power electronics were adapted to provide the high output. Thermal fuses only switch off above 140 A permanent current (100% duty cycle) or 400 A pulse current. Brush and mass cables with a cross-section of 16 mm² provide power to the work piece without electrical and thermal losses and without interruption during permanent operation, using cables with a length up to 100 m.

SuperCleanox VI

Item No.:	**EP-01-017**
Power output:	2,500 VA
Weight (set):	28 kg
Dimensions:	190x200x450 mm
Mains voltage:	230 V / 50 Hz / 10A
Secondary voltage:	9-32 V AC/DC
Protection class:	IP23

The pioneer

The SuperCleanox VI has set the standards in the market for a long time: its output of 2,500 VA provides 80 A continuous current (100 % duty cycle) or 200 A pulse current to the work piece. Three power levels each for cleaning and polishing solve almost any cleaning task: all welding seams, from TIG-welded thin metal sheets to MAG-welded beams, can be cleaned and polished in heavy-duty industrial applications.
You can continue to use cleaning and polishing handles with rigid carbon electrodes and felts – but you can also work at top efficiency with a large-surface cleaner or a 4-fold brush.

SuperCleanox IV+

Item No.:	**EP-01-021**
Power output:	1,500 VA
Weight (set):	25 kg
Dimensions:	190x200x450 mm
Mains voltage:	230 V / 50 Hz / 8A
Secondary voltage:	9-18 V AC/DC
Protection class:	IP23

Enter the professional league!

The SuperCleanox IV+ has been designed for heavy-duty, long-term use in 3-shift industrial applications. An output power of 1,500 VA facilitates cleaning and polishing at two power levels and provides up to 80 A continuous current (100% duty cycle) or 140 A pulse current. This output power is completely sufficient for most cleaning tasks.
However, the 4-fold brush and large surface cleaner can only be used to a limited extent and the use of rigid carbon electrodes is also restricted.
Like all SuperCleanox devices, the IV+ is also suitable for marking.

Item No.	Description	Quantity	Set price €	Set VI HD	Set VI	Set IV+
EP-01-017-HD	**Set SuperCleanox VI HD** – weight 38 kg	1 set	**3,795.00**	✔		
EP-01-017	**Set SuperCleanox VI** – weight 36 kg	1 set	**2,995.00**		✔	
EP-01-021	**Set SuperCleanox IV+** – weight 32 kg	1 set	**2,595.00**			✔
	Device set: The accessories		**Individual price €**			
EP-07-600	Teflon handle with 4m cable 10 mm²	1 unit	198.00		✔	✔
EP-07-693	Teflon handle with 10m cable 16mm²	1 unit	358.00	✔		
EP-07-605	Earthing cable, 10 mm², 4 m, with 850 A clamp	1 unit	169.00		✔	✔
EP-07-691	Earthing cable, 16mm², 10m, with 850 A clamp	1 unit	299.00	✔		
EP-02-912	Carbon fibre brush XL	1 unit	54.00	✔	✔	✔
EP-02-033	Marking handle with 90° carbon electrode	1 unit	65.00	✔		✔
EP-02-018	Cleaning handle with 60° carbon electrode	1 unit	69.00		✔	
	Cleaning and polishing felts made of Kevlar, yellow	5 unit			✔	
EP-02-003	90° carbon electrode for marking	1 unit	22.90		✔	
	Marking felts, white	5 unit		✔	✔	✔
	O-rings	5 unit		✔	✔	✔
EP-07-005	Connection cable 1.5 mm², marking handle	1 unit	14.50	✔	✔	✔
	Cleaning and polishing electrolyte	2x 0.5 kg		✔	✔	✔
	Marking electrolyte, universal	50 ml		✔	✔	✔
	Protective goggles, gloves, PVC apron	1 unit each		✔	✔	✔
EP-07-019	Plastic box	1 unit	46.90	✔	✔	✔
EP-07-100	Wide-mouth container	1 unit	2.85	✔	✔	✔
EP-07-002	Spray bottle for water	1 unit	8.95	✔	✔	✔

✔ Cleaning
✔ Polishing
✔ Marking

The Cleanox series:

Flexibility for workshop and assembly

Compact & light, reliable and powerful: These are the characteristics of our new Cleanox device series. It was made for metal construction companies that want to use their cleaning devices in a flexible manner – either in the workshop or on a construction site.

Our Cleanox devices are sold as complete kits, giving you everything you need to get started straight away.

The three models of the Cleanox series differ in their functional scope to provide for individual needs. All of them are among the most powerful devices in the market. 70 A continuous current at 100% duty cycle and pulse currents of up to 140 A – achieved with very light and transportable devices – make our competitors take note.
The weight was significantly reduced compared to the previous series by using plastic and aluminium. The front and rear are made of acid-resistant and food-safe polypropylene, and are very rugged.

Cleanox 4.2

115 V + 230V

Item No.:	**EP-01-042**
Power output:	1,000 VA
Weight:	15 kg
Dimensions:	250x150x300 mm
Mains voltage:	115/230 V / 50 Hz / 6 A
Secondary voltage:	10.5–18 V AC/DC
Protection class:	IP21

The globetrotter

Cleaning and polishing of TIG and MAG seams at two power levels and bright or dark marking, 115 or 230 V: The power levels also enable the Cleanox 4.2 to perform intensive cleaning and polishing. Another feature: The input voltage can be switched between 115 and 230 V, so the device can be used all over the world.
The Cleanox 4.2 in combination with an optionally available marking set, can also be used for bright or dark marking.

Cleanox 4.0

Item No.:	**EP-01-040**
Power output:	1,000 VA
Weight:	14 kg
Dimensions:	250x150x300 mm
Mains voltage:	230 V / 50 Hz / 6A
Secondary voltage:	10.5-12.5V AC/DC
Protection class:	IP21

The multi-talent

Cleaning and polishing of TIG seams, bright or dark marking: The Cleanox 4.0 is the entry device into the AC/DC class. It cleans speedily, using our XL carbon fibre brushes. It can also be used in direct current (DC) mode for polishing to create a mirror-like surface. Work pieces can be marked with bright or dark patterns using the optionally available marking set.

Cleanox 2.0

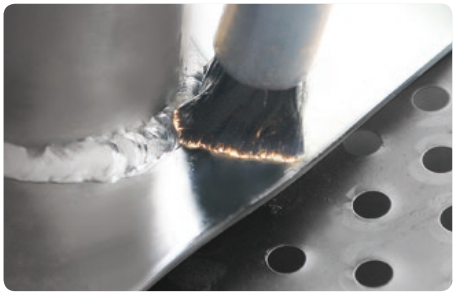
Item No.:	**EP-01-020**
Power output:	1,000 VA
Weight:	13 kg
Dimensions:	250x150x300 mm
Mains voltage:	230 V / 50 Hz / 6A
Secondary voltage:	10.5V AC
Protection class:	IP21

The specialist

Cleaning of TIG seams, dark marking:
The Cleanox 2.0 is a pure AC device and only intended for cleaning of welding seams using the carbon fibre brush. It can do this just as well as its bigger brother. Simple operation makes the device ideal for building sites and pipe installations.
The optional marking set can be used to apply dark labelling, e.g. batch numbers or name plates.

Item No.	Description	Quantity	Set price €	Set Cleanox 4.2	Set Cleanox 4.0	Set Cleanox 2.0
EP-01-042	**Set Cleanox 4.2** – weight 20 kg	1 set	**2,395.00**	✔		
EP-01-040	**Set Cleanox 4.0** – weight 19 kg	1 set	**2,195.00**		✔	
EP-01-020	**Set Cleanox 2.0** – weight 18 kg	1 set	**1,795.00**			✔
	Device set: The accessories		**Individual price €**			
EP-07-600	Teflon handle with 4m cable 10 mm²	1 unit	198.00	✔	✔	✔
EP-07-606	Earthing cable, 10 mm², 4 m, with 200 A clamp	1 unit	169.00	✔	✔	✔
EP-02-912	Carbon fibre brush XL	1 unit	54.00	✔	✔	✔
	Cleaning and polishing electrolyte	2x 0.5 kg		✔	✔	✔
EP-07-100	Wide-mouth container	1 unit	2.85	✔	✔	✔
EP-07-002	Spray bottle for water	1 unit	8.95	✔	✔	✔
EP-07-017	Plastic box	1 unit	23.70	✔	✔	✔
	Optional accessories *		**Extra price €**			
EP-02-050	Marking set in plastic case	1 unit	100.00			
EP-04-021	Cleaner electrolyte	2 kg	27.30			
EP-04-012	Super-cleaner electrolyte	2 kg	35.90			
EP-04-013	Polisher electrolyte	2 kg	39.80			
EP-04-909	Neutralyte in canister with spray bottle	5 l	96.90			
EP-06-004	Gloves, acid-resistant CAT III, Size 8	1 pair	7.90			
EP-06-004-11	Gloves, acid-resistant CAT III, Size 11	1 pair	7.90			
EP-06-005	Apron, acid-resistant, rugged version	1 unit	10.90			
EP-06-003	Protective goggles, closed at the side	1 unit	9.90			
EP-07-024	Pressure spray bottle, 2 litres	1 unit	19.95			

* Further accessories can be found from page 11 onwards



Cleaning
Polishing
Marking

The AkkuCleanox

Fully portable power for ≥ 90 min.

The first battery-powered weld cleaner in the world

High up on a wind turbine, right in the middle of a stainless steel silo, somewhere up on the scaffolding: what do you do when your extension cable just isn't long enough? With the AkkuCleanox you can go anywhere. Weighing just 7 kg, it is one of the lightest devices on the market – and is extremely powerful, with up to 100 A continuous current. In standard mode, the batteries last for up to two hours.

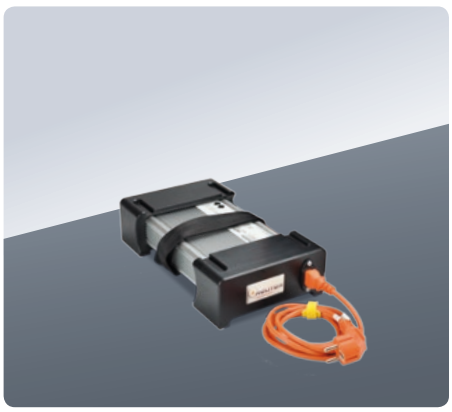
This is made possible by combining the latest battery innovations with high-performance inverter technology. Packed into an ultra-light-weight carbon sandwich housing, featuring a large colour screen and user-friendly menu controls – it's the perfect device for outdoor, offshore and offline.

Our charge booster recharges empty batteries to 95% in just 30 minutes. Alternatively, you can also use it for mains operation: coupled with the charge booster, the AkkuCleanox runs at 100% indefinitely without draining the battery. This lets you use the portable device in the workshop without any restrictions.

AkkuCleanox

Item No.:	**EP-01-050**
Power output:	1,250 VA
Weight:	7.0 kg
Dimensions:	250 x 150 x 300 mm
Battery:	16 V LiFePo, 320 Wh
Efficiency:	95%
Battery life:	min. 1 hour
Housing:	Hybrid carbon fibre aluminium PP material
Charger supplied:	
Mains voltage:	115–240 V/50 Hz, 3A
Secondary voltage:	6-12 V AC/DC
Charging time:	8 hours
Protection class:	IP23

Charge booster



Item No.:	**EP-01-151**
Power output:	600 VA
Weight:	2.5 kg
Dimensions:	325x180x75 mm
Mains voltage:	100-240V, 7 A 50/60Hz
Protection class:	IP67

The charge booster recharges the battery in just 30 minutes. Alternatively, it assists the battery and transforms the AkkuCleanox into a stationary workshop unit.

Buy the charge booster separately or together with the AkkuCleanox in a great value kit.

Combine the AkkuCleanox and charge booster into one unit with the Quickbelt – and use it as a portable unit while connected to the mains.

Item No.	Description	Quantity	Set price €	AkkuCleanox	AkkuCleanox and charge booster	Charge booster
EP-01-050	**Set AkkuCleanox** – 19 kg	1 set	**4,595.00**	✔		
EP-01-050-B	**Set AkkuCleanox with charge booster** – 23 kg	1 set	**4,995.00**		✔	
EP-01-151	**Charge booster** – 4 kg	1 set	**795.00**			✔
	Charger included:		**Individual price €**			
EP-07-600	Teflon handle with 4m cable 10 mm²	1 unit	198.00	✔	✔	
EP-07-605	Earthing cable, 4 m, with 850A clamp	1 unit	169.00	✔	✔	
EP-02-912	Carbon fibre brush XL (M10)	1 unit	54.00	✔	✔	
EP-02-908	Carbon fibre brush M (M6)	1 unit	35.00	✔	✔	
EP-02-915	Carbon bottle brush DN10-50	1 unit	94.50	✔	✔	
EP-02-917	Carbon bottle brush DN8-20	1 unit	79.00	✔	✔	
EP-02-902	An M6-to-M10 adapter	1 unit	27.85	✔	✔	
EP-02-904	Elbow piece 40° M10	1 unit	48.85	✔	✔	
EP-02-901	PTFE Teflon sliding sheath	1 unit	75.00	✔	✔	
EP-07-223	Mounting pins for brush	2 unit	2.50	✔	✔	
EP-02-050	Marking kit in plastic box	1 unit	100.00	✔	✔	
EP-01-151	30 A charge booster and plastic case	1 unit	795.00		✔	✔
EP-01-152	Charger and 230V adapter plug D	1 unit	145.90	✔		
	Cleaning and polishing electrolyte	2x 0.5 kg		✔	✔	
EP-07-100	Wide-mouth container	1 unit	2.85	✔	✔	
EP-07-002	Spray bottle for water	1 unit	8.95	✔	✔	
EP-07-068	Travel case, large – 575x470x270mm	1 unit	249.00	✔	✔	
EP-07-071	Trolley for case	1 unit	89.00	✔	✔	
EP-07-049	Small grey plastic case for charge booster	1 unit	65.00		✔	✔
	Optional accessories: *		**Individual price €**			
EP-01-151-UK	Adapter plug for charger, UK	1 unit	5.95			
EP-01-151-EU	Adapter plug for charger, EU 2-pin	1 unit	4.05			
EP-01-151-USA	Adapter plug for charger, USA/Taiwan	1 unit	4.05			
EP-01-151-CH	Adapter plug for charger, Switzerland	1 unit	5.95			
EP-01-153	Vehicle charger 12 V	1 unit	89.90			

* Further accessories can be found from page 11 onwards

Cleaning
Polishing
Marking

AutoCleanox

Item No.:	**EP-01-133**
Power output:	1.500 VA
Weight:	7 kg
Dimensions:	250x150x300 mm
Mains voltage:	110/240V/50–60Hz/6A
Secondary voltage:	6–14V AC/DC
Protection class:	IP23

Ready for Industry 4.0

Modern inverter technology for the automation of cleaning and polishing of TIG welding seams by robotic and / or CNC-controlled systems;
also suitable for semiautomatic cleaning using the optional electrolyte-feed system as well as to light and dark marking.
Variable input-voltage, 100% duty cycle at 80A and pulse current up to 100A allow diverse fields of application.

EP-01-033 – Set AutoCleanox	
Set weight:	12 kg
Set price:	3.995 €

EasyCleanox

Item No.:	**EP-01-130**
Power output:	1.000 VA
Weight:	5,9 kg
Dimensions:	250x150x300 mm
Mains voltage:	110/240V/50–60Hz/6A
Secondary voltage:	6–14V AC/DC
Protection class:	IP65

Super-lightweight

Modern inverter technology and an ultralight and robust plastic-aluminium-housing brings the weight of the EasyCleanox under 6 kg.
Smarter one-button operation, variable input voltage and powerful 70 A at 100% duty cycle (up to 100 A pulse current!) make the device an ideal travel companion for worldwide assembly work.
With AC / DC switching for cleaning, polishing, light and dark signing.

EP-01-030 – Set EasyCleanox	
Set weight:	11 kg
Set price:	2.495 €

✔ Cleaning
✔ Polishing
✘ Marking

Carbon fibre brush:

The quality makes the difference

Electrochemical cleaning with carbon fibres - who invented this? Correct: Reuter! We have been producing this innovative solution at our site in Erkrath since 2012. We have also invented the sliding sleeves made of Teflon. Numerous utility models and patents secure our advantage over our competitors.

We ensure the use of high-quality materials and careful processing during production. This is the only way to achieve permanent acid resistance, rugged durability and maximum performance. It is the reason why up to 1.5 million carbon fibres fit the work piece so snugly.

We have, for example, made brush holders out of 1.4571 material and bonded them with hydraulic tools developed in-house at 700 bar. The handles and sliding sleeves consist of PTFE (Teflon) - and easily withstand the process temperatures of approx. 200°C.

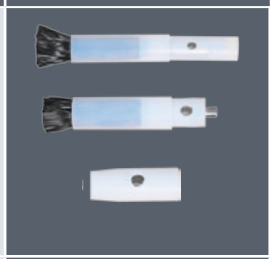
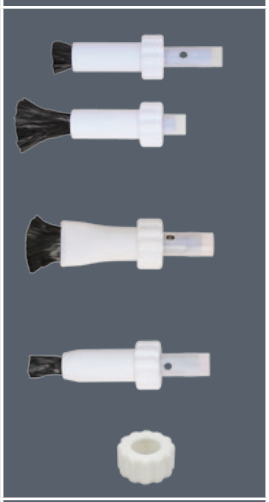
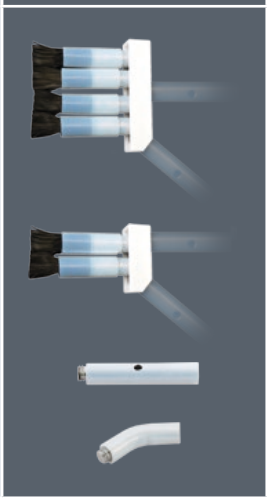
Our brushes are available in a variety of shapes and sizes – for large areas, narrow spaces, for cleaning holes or the insides of pipes.

Carbon fibre brush

Price/performance ratio
using the example of the carbon fibre brush XL, compared to that of our competitors

Fibre length: 40% more
Cross-section: 30% more
Total carbon fibre: 70% more

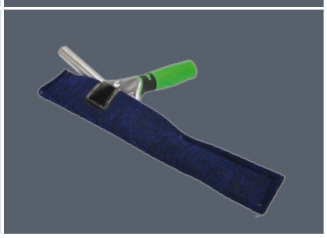
The 70% higher proportion of carbon fibre, together with robust processing, is responsible for the faster and more effective cleaning. In direct comparison, Reuter carbon fibre brushes are clearly the price/performance winners!

Item No.	Description	Individual price€	
EP-02-912	**XL brushes**, 60 mm usable length, approx. 1.5 million fibres	54.00	
EP-02-908	**M brushes**, 60 mm usable length, approx. 0.8 million fibres	35.00	
EP-02-902	**An M6-to-M10 adapter** is required for M-brush type EP-02-908 and the bottle brush	27.85	
EP-02-901	**Teflon sliding sleeve** – without brush – turned from solid PTFE, with M22 clamping nut, 50x20 mm, as replacement for XL brush standard sliding sleeve that is too thin for the increased thermal stress during continuous operation	75.00	
EP-02-901-F	Teflon sliding sleeve, flat shaped mouth	79.90	
EP-02-901-K	Teflon sliding sleeve, conical shaped mouth	94.70	
EP-02-901-M	Union nut M22	23.50	
EP-02-915	**Carbon bottle brush** Type DN10-50	94.50	
EP-02-917	**Carbon bottle brush** Type DN8-20 Both bottle brushes require adapter EP-02-902	79.00	
EP-02-909	**4-fold brush** incl. 4 units M-brush, mounted	278.00	
EP-02-905	**2-fold brush**incl. 2 units M-brush, mounted	185.00	
EP-02-903	**Extension for brush** / handle M10x75mm	29.60	
EP-02-904	**Angle piece 40°** M10 for brush / handle	48.85	

Surface cleaner

Cleaning
Polishing
Marking

For cleaning, rust removal and passivating of large stainless steel surfaces such as tanks, silos, facades etc. For efficient cleaning, the surface cleaner requires the highest energy performance; it can therefore only be used together with the VI SuperCleanox HD.
Welds should first be cleaned with a carbon fibre brush.

Item No.	Description	Individual price€	
EP-02-913	**Surface cleaner,** 35 cm width, with telescopic handle up to 180 cm (optional 250 cm), Stainless steel electrode 350 mm, Cleaning pad with Velcro fastening, 10 mm² / 10 m connection cable with 200 A high current socket, bucket	295.00	
EP-02-914	**Cleaning pad for surface cleaner** for cleaning and passivating, 350 x 60 mm, white	12.85	
EP-02-919	**Cleaning pad for surface cleaner** for cleaning and passivating, longer service life 400 x 60 mm, white	42.00	
EP-02-920	**Cleaning pad for surface cleaner** for cleaning, passivating and polishing, longer service life 400 x 60 mm, brown/blue	49.00	

For the SuperCleanox VI HD only – see Page 4

✔ Cleaning
✔ Polishing
✘ Marking

Electrolytes for cleaning & polishing

Electrolytes for marking can be found on page 25

Item No.	Description	Individual price €
	CLEANER – electrolyte for cleaning slightly oxidised TIG weld seams	
EP-04-021	2 kg container[1] (net 1.71 l)	27.30
EP-04-211	4 x 2 kg container[1] in carton ≈ approx. 10% discount (net 6.84 l)	87.87
EP-04-041	5 kg bottle[2] with handle (net 4.22 l)	54.50
EP-04-355	4 x 5 kg bottle[2] with handle in carton ≈ approx. 10% discount (net 21.1 l)	198.10
EP-04-351	30 kg[3] canister (net 26.34 l)	287.50
	NEUTRAL CLEANER PH 5,5 – skin neutral electrolyte – exclusively for cleaning TIG VA welds	
EP-04-801	1 kg bottle[4] (net 0.9 l)	34.95
EP-04-802	6 x 1 kg bottle[4] in carton ≈ approx. 10% discount (net 5.4 l)	188.73

Item No.	Description	Individual price €
	SUPERCLEANER – to clean severely tarnished or oxidised weld seams	
EP-04-012	2 kg container[1] (net 1.48 l)	35.90
EP-04-212	4 x 2 kg container[1] in carton ≈ approx. 10% discount (net 5.92 l)	119.86
EP-04-042	6 kg bottle[2] with handle (net 4.51 l)	89.50
EP-04-356	4 x 6 kg bottle[2] with handle in carton ≈ approx. 10% discount (net 18.04 l)	325.45
EP-04-220	35 kg canister (net 26.84 l)	357.00
	POLISHER – for polishing stainless steel surfaces; also very suitable for cleaning	
EP-04-013	2 kg container[1] (net 1.18 l)	39.80
EP-04-330	4 x 2 kg container[1] in carton ≈ approx. 10% discount (net 4.72 l)	131.60
EP-04-043	7 kg bottle[2] with handle (net 4.21 l)	122.50
EP-04-357	4 x 7 kg bottle[2] with handle in carton ≈ approx. 10% discount (net 16.84 l)	445.45
EP-04-353	35 kg canister[3] (net 21.32 l)	389.00
EP-07-503	Tap for 30 l canister[3]	16.95

Note: Weight information for electrolytes always relates to the gross weight. The filling height of the containers varies due to the different density of the electrolytes and the filling process.

30 l canister[3]

5 l bottle[2] with handle

1 l bottle[4]

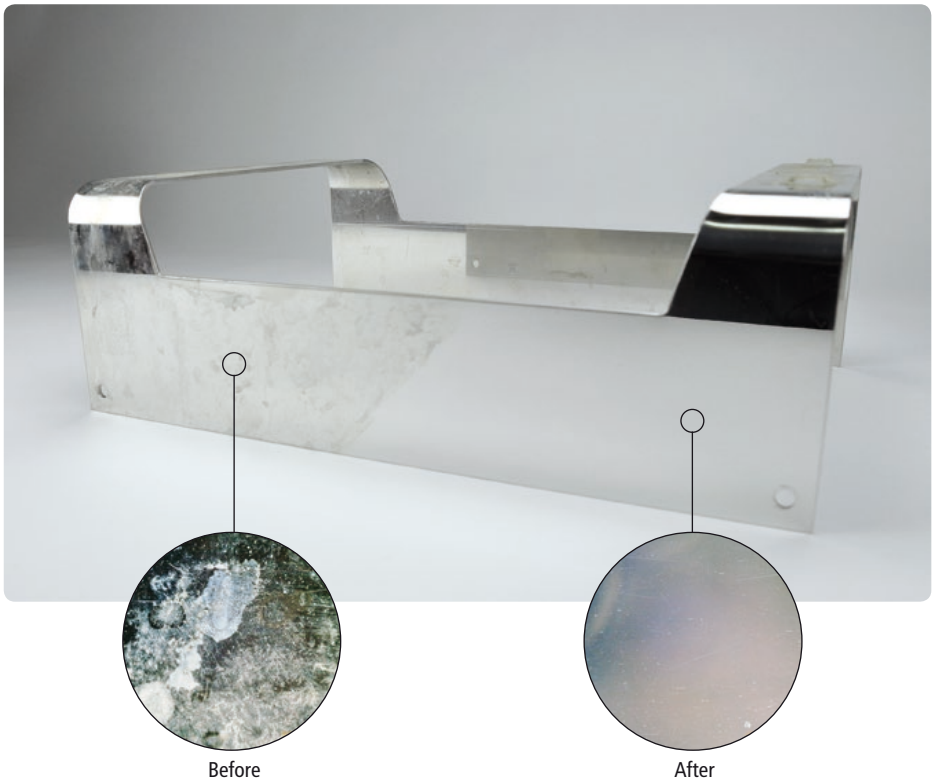
1.5 l container[1]

Surface finishing treatment

Item No.	Description	Individual price €
EP-04-800	**SFC STAINLESS FINISHING CLEANER** – 2 kg container – SFC removes grease and cleans stainless steel and other metal surfaces gently and reliably. Used on stainless steel, it renews and reinforces the passive layer at the same time.	39.95
EP-04-901	**FPR STAINLESS STEEL CARE PRODUCT** – 1.5 kg container – for finishing treatment of cleaned steel surfaces (fingerprint remover)	28.50
	NEUTRALYT SOFT for removing electrolyte residues directly after cleaning	
EP-04-909	5 kg canister with integrated 350 ml spray bottle	96.90
EP-04-990	30 kg in canister	259.00

✔ Cleaning
✔ Polishing
✘ Marking

Have electrolyte residues dried on after cleaning or polishing?
Are white streaks, clouding or scaling visible? With our SFC cleaner, you can easily wipe it off.



Before

After

Does your stainless steel surface still look rather dull after cleaning, polishing or marking?
Take advantage of our stainless steel care product FPR. It brings out the contrast in your marking and leaves a waxy film as protection against fingerprints.

Do you still have stains on your surface after rinsing?
Is your tap water too hard?
Use our Neutralyt-Soft!

✔ Cleaning
✔ Polishing
✔ Marking

Ergonomic
Cleaning, Polishing, Marking

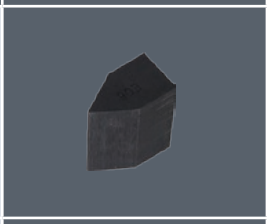
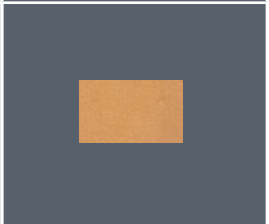
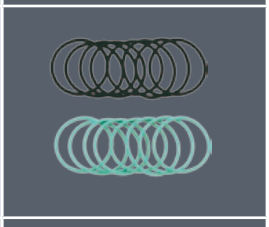
Our workstations turn your Cleanox into a fully-fledged workplace – stationary or mobile.
Sufficient shelves for equipment and accessories as well as a working surface with integrated drain, enables ergonomic working. The soft plastic surfaces protect your workpieces from scratches.

The Workstation
– stationary workplace –
Dimensions: 110x110x70 cm, weight 80 kg
Item no.: EP-06-020 & EP-06-024

The Rolly
– mobile equipement trolley –
Dimensions: 42x90x55 cm, weight 20 kg
Item no.: EP-06-010

Item no.	Description	Set price €	Rolly	Workstation
EP-06-010	**Rolly** – mobile equipement trolley	**790,00**	✔	
EP-06-020	**Workstation** – stationary workplace	**1.100,00**		✔
	Optional accessories:	**Einzelpreis €**		
EP-06-024	Doors, rear wall and splash guard	490,00		✔
EP-06-023	Extraction system	1.190,00		✔
EP-06-024	Automatic electrolyt supply system consisting of Hose bundle 4m, teflon handle with integrated nozzle, motor-controlled hose pump. Only with AutoCleanox (EP-01-133)	795,00	✔	✔

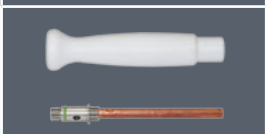
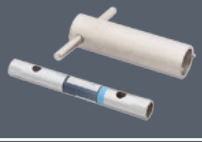
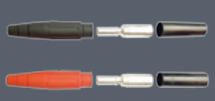
Accessories and consumables for cleaning & polishing

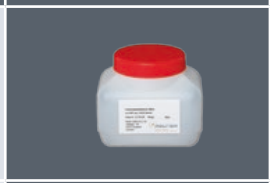
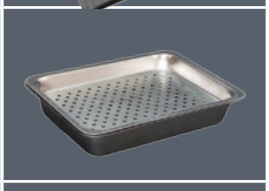
Item No.	Description	Individual price €	
EP-02-001	**Carbon electrode 60°, M10 x 1.5 thread**	24.90	
EP-02-001-By	**Version with M10 x 1.0 fine thread** (BYMAT)	24.90	
EP-02-002	**Carbon electrode 30°, M10 x1.5 thread** more pointed electrode for thin fillet welds for cleaning and polishing with cleaning handle	27.50	
	Kevlar felts, yellow, 40 x 60 x 2 mm suitable for 60 ° carbon electrode/cleaning handle for cleaning and polishing at stage III with the SuperCleanox VI		
EP-03-222	10 pieces	14.90	
EP-03-002	20 pieces	22.75	
EP-03-022	100 pieces	98.70	
EP-03-220	**Kevlar felts, yellow, 40 x 100 x 2 mm** suitable for 30° carbon electrode/cleaning handle for cleaning and polishing at stage III with the SuperCleanox VI 100 pieces	159.00	
	O-rings for fixing the felts to the carbon electrode		
EP-03-000	O-rings, black, PU 10 pieces	3.99	
EP-03-000-g	High temperature O-rings, green, PU 10 pieces	9.85	
EP-02-018	**Cleaning handle with 60° carbon electrode** for 1.5 mm² cable, 4 mm power socket Note: Only for stage III with Cleanox IV, SuperCleanox VI	69.00	
EP-07-005	**Connection cable** black, for cleaning handle	14,50	
	Teflon handle with highly flexible cable Handle air cooled inside – will not get hot in your hand; incl. 200 A insulated high-current plug with gold-plated laminated contacts		
EP-07-600	with 4 m / 10 mm² cable	198.00	
EP-07-601	with 6 m / 10 mm² cable	249.00	
EP-07-603	with 10m / 10 mm² cable	298.00	
EP-07-693	with 10 m / 16 mm² cable	358.00	

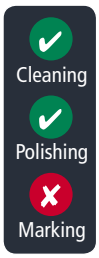
✔ Cleaning
✔ Polishing
✘ Marking

Accessories for marking can be found from page 26 onwards

✔ Cleaning
✔ Polishing
✘ Marking

Item No.	Description	Individual price €	
EP-07-309	**Teflonhandle without inner parts**	34.90	
EP-07-059	**Inner part for electrode handle complete 10 mm²**	54.80	
EP-07-059-16	**Inner part for electrode handle complete 16 mm²**	54.80	
	CAUTION! The inner part cables must be connected by crimping with a pneumatic crimping tool!		
EP-02-999	**Teflon handle solo** with integrated 200 A high-current socket for 10 mm² cable	98.00	
EP-07-607	**Teflon handle with high-current socket with 4 m / 10 mm² cable** Handle is air cooled inside and will not get hot in your hand; incl. 200 A insulated high-current plug/socket with gold-plated laminated contacts	249.00	
EP-07-618	**Connection cable with 2 high-current sockets 4 m**	175.00	
EP-07-619	**Connection cable with 2 high-current sockets 10m**	239.00	
	Extension cable with high-current socket and high-current plug		
EP-07-608	4 m / 10 mm²	175.00	
EP-07-609	10m / 10 mm²	239.00	
EP-07-699	10m / 16 mm²	259.00	
	Earthing cable, highly flexible 10 mm², with 850 A clamp, incl. 200 A high-current plug with gold-plated laminated contacts		
EP-07-605	4 m / 10 mm²	169.00	
EP-07-602	6m / 10 mm²	190.00	
EP-07-604	10m / 10 mm²	239.00	
EP-07-691	10m / 16 mm²	299.00	
	Earthing cable, highly flexible 10 mm², with 200 A clamp, incl. 200 A high-current plug with gold-plated laminated contacts		
EP-07-606	4 m / 10 mm²	160.00	
EP-07-610	10 m / 10 mm²	229.00	
EP-07-301	**200 A earthing clamp made of cast brass** with large opening angle 80 mm, especially for pipes	19.90	
EP-07-300	**850 A earthing clamp made of cast brass** Opening angle 40 mm, plastic coating red, fully insulated	26.69	
EP-07-222	**Mounting kit for 200A high-current socket** comprising socket spanner and special nose spanner	69.90	
EP-07-206	**High current socket** black with lock nut	18.95	
EP-07-207	**High current socket** red with lock nut	18.95	
EP-07-106	**Power socket / plug** for brush handle cable, 10 mm², black	19.95	
EP-07-107	**Power socket / plug** for brush handle cable, 10 mm², red	19.95	
EP-07-106-16	**Power socket / plug** for brush handle cable, 16mm², black	19.95	
EP-07-107-16	**Power socket / plug** for brush handle cable, 16mm², red	19.95	

Item No.	Description	Individual price €	
EP-07-100	**Wide-mouth container, 500 ml** Working container, to be filled with electrolyte Note: maximum fill level 2 cm! Note: immerse brush often and long enough to cool!	2.85	
EP-07-102	**Safety brush holder** made from VA sheet metal for wide-mouth container 500 ml with glue clamp black/green	37.50	
EP-07-002	**Spray bottle for water 500 ml** For filling with tap water or demineralised water if the water hardness exceeds 10 dH	8.95	
EP-07-024	**Pressure spray bottle, 2 litres** For filling with tap water or demineralised water if the water hardness exceeds 10 dH	19.95	
EP-06-003	**Protective glasses** closed design with elasticated band	9.90	
EP-06-004 EP-06-004-11	**Gloves, acid-resistant Cat III** velour coated on the inside, reusable gloves, to protect your skin from drying out due to the electrolyte acids Size 8 Size 11	7.90 7.90	
EP-06-005	**Acid-resistant apron,** robust design, black, reusable	10.90	
EP-06-002	**Stainless steel bath** approx. 300 x 200 x 20 mm integrated drip tray made of stainless steel ideal for cleaning and marking small parts	59.00	
EP-06-006	**Barrier cream (liquid glove), 500 ml** to protect your skin from drying out due to the electrolyte acids, apply before working	12.85	
EP-07-019 EP-07-017	**Plastic box, orange** with REUTER logo, sturdy design, suitable for: – SuperCleanox IV+/VI/VI HD; 600x400x320 mm – Cleanox 2.0/4.0/4.2; 300x400x320 mm	46.90 23.70	
EP-07-023	**Trolley** for one large or two small plastic boxes, orange with robust PVC rollers	59.00	



Accessories for marking can be found from page 26 onwards

Cleaning ✗
Polishing ✗
Marking ✓

The Signox series:

Marking for eternity

Nameplates, logos, bar codes,...: Initially, the application of markings with our cleaning devices was just an additional benefit. It has, however, generated huge demand. We have therefore developed the Signox device series - specifically focused on forge-proof and permanent marking on all electrically conductive objects.

Electrolytic marking is a very cost-effective and economical method. After only 3–4 seconds you obtain high-contrast, permanent marking: corrosion free, seawater, abrasion, acid and sterilisation resistant. It is therefore often used for surgical instruments, tools, sanitary fittings, etc.

The patented AkkuSignox is a network-independent, mobile device; it creates oxidation patterns on the metal surface that result in dark markings - dark brown to deep black.

The Signox II is an AC/DC device and can also provide bright marking; it looks similar to laser engraving, i.e. is a bright marking that is slightly recessed in the work piece surface. Metals without ferrite or plastic can also be labelled, e.g. aluminium, brass or copper.

We have securely packed three complete sets of equipment into one practical case, so that everything you need for marking is always at hand, wherever you are.

AkkuSignox I

Set with battery WLAN printer

Item No.:	**EP-01-025**
Power output:	50 VA
Weight:	3.5 kg
Dimensions, case:	380x300x150 mm
Mains voltage:	Lithium/ion batteries
Charger:	115-240 V / 50 Hz
Protection class:	IP64

AkkuSignox I

Set with battery-powered USB printer

Item No.:	**EP-01-026**
Power output:	50 VA
Weight:	3.0 kg
Dimensions, case:	380x300x150 mm
Charger:	115-240 V / 50 Hz
Protection class:	IP64

Set IV: AkkuSignox with battery WLAN printer

Completely independent

Maximum flexibility without a power socket, USB or network cable: Transfer the logos by wireless link from your smart phone to your printer - the iPrint&Scan software, including smart phone app, makes this possible. Easily create labelling on your keyboard. Simply print the marking templates with 360 dpi on site. The battery of our AkkuSignox manages up to 250 dark markings before it has to be recharged.

The mobile marker

Design markings on site and apply them directly: This battery-powered printer can also communicate with a PC via a USB interface and create and print labels right away with the P-touch editor and printer keyboard. The AkkuSignox will then transfer your design up to 250 times onto work pieces. We pack and deliver all you need safely in one case.

Item No.	Description	Quantity	Set price €	Set battery	Set battery
EP-01-025	**AkkuSignox with battery WLAN printer**	1 set	**1,195.00**	✔	
EP-01-026	**AkkuSignox I with battery USB printer**	1 set	**895.00**		✔
	AkkuSignox I device set: The accessories		**Individual price €**		
EP-05-220	Printer E550WVP, WLAN, USB, Li-Ion battery	1 unit	249.00	✔	
EP-05-221	Printer H500, USB, battery	1 unit	119.90		✔
EP-05-229	Lithium/ion battery for printer	1 unit	21.99	✔	
EP-05-228	Printer charger	1 unit	26.99	✔	
EP-07-066	Lithium/ion battery for Signox	2 unit	14.69	✔	✔
EP-07-065	Charger for Signox batteries	1 unit	35.00	✔	✔
EP-07-064	Earthing cable with stainless steel crocodile clamp	1 unit	9.50	✔	✔
EP-02-060	Carbon electrode, semi-circular	1 unit	19.90	✔	✔
EP-07-045	Case with foam insert	1 unit	89.00	✔	✔
EP-05-211	24 mm template marking band	1 unit	29.90	✔	✔
EP-03-010-1	O-rings, small 15x1.8	5 unit	0.25	✔	✔
EP-03-001-2	Marking felts, white	5 unit	0.36	✔	✔
	Marking electrolyte 50ml and neutralyte 50ml	2x 50 ml		✔	✔
	Optional accessories		**Extra price €**		
EP-05-208	Label printer Brother P-touch P900W	1 unit	429.90		
EP-05-213	Label printer Brother P-touch D800W	1 unit	499.90		
EP-05-210	Labelling band, 18mm	3 m	21.90		
EP-05-212	Labelling band, 36mm	3 m	36.60		

* Further accessories can be found from page 23 onwards

Signox II: Set with transformer for 230 V mains

Signox II

Set with transformer-powered device for 230 V network

Item No.:	**EP-01-024**
Power output:	120 VA
Weight:	5 kg
Dimensions, case:	300x400x320 mm
Mains voltage:	230 V / 50 Hz / 1A
Secondary voltage:	12V AC/DC
Protection class:	IP23

The heavyweight

This workshop device is intended for bright and dark marking: The Signox II is connected to the mains and is provided without a printer – but sports a powerful transformer and a large rectifier with considerably higher output. It facilitates the use of large templates with up to 2,400 dpi as well as fast and powerful marking of large areas.

The Signox II can handle dark marking as well as bright marking – which looks stylish, similar to laser engraving.

Item No.	Description	Quantity	Set price €	Set Signox II
EP-01-024	**Signox II without printer**	1 set	**695.00**	✔
	The accessories		**Individual price €**	
EP-07-044	Connection cable, red, 2 m, 1.5 mm²	1 unit	14.50	✔
EP-02-055	Connection cable, black, 2 m, 1,5 mm²	1 unit	14.50	✔
EP-07-003	Crocodile clip, red, plastic-coated	1 unit	8.50	✔
EP-02-033	Marking handle with 90° carbon electrode	1 unit	65.00	✔
EP-07-045	Case with foam insert	1 unit	89.00	✔
EP-03-000-1	O-rings, large, 26x2	5 unit	0.36/ea.	✔
EP-03-001-1	Marking felts, white	5 unit	1.00/ea.	✔
EP-04-004	Marking elektrolyte for stainless steel dark / aluminium bright	100 ml	8.25	✔
EP-04-009	Neutralyte highly concentrated	100 ml	5.90	✔
--	Elektrolyte samples	3 units	--	✔

Further printer accessories can be found from page 23 onwards

Cleaning ✘
Polishing ✘
Marking ✔

From a single source

**We supply everything you need for marking:
Equipment, templates, electrolytes, accessories.
This means you can be sure
that everything will work perfectly.**

Long-term templates

Long-term templates can be used up to 5000 times. Due to the high resolution of 2400 dpi, even small 4-point fonts can be marked on the work piece.

A plastic frame is available as an option, to give the film more stability and facilitate alignment on the work piece.

The maximum template size is 80x50 cm (4000 cm²).

Price calculation: To create a long-term template, we charge an order fee of 15.00 (reproduction / photosetting costs and proofs - not charged for reorder). In addition, a price per cm² will be charged according to the template size (see table). When calculating the size of the template, please note that your subject requires a margin of 2 cm on each side - for aligning and fixing on your work piece.

Item No.	Template size	€ / cm²
	Template with plastic frame	
EP-05-003	up to 100 cm²	0.50
EP-05-004	101 to 200 cm²	0.45
EP-05-005	201 to 500 cm²	0.35
EP-05-006	501 to 4000 cm²	*

Item No.	Template size	€ / cm²
	Template without plastic frame	
EP-05-007	up to 100 cm²	0.40
EP-05-008	101 to 200 cm²	0.35
EP-05-009	201 to 500 cm²	0.30
EP-05-010	501 to 4000 cm²	*

* For templates over 500 cm² we recommend:
for curved surfaces, unframed templates,
for flat surfaces, an aluminium frame -
we are happy to calculate this for you on request.

Example: long-term template with plastic frame

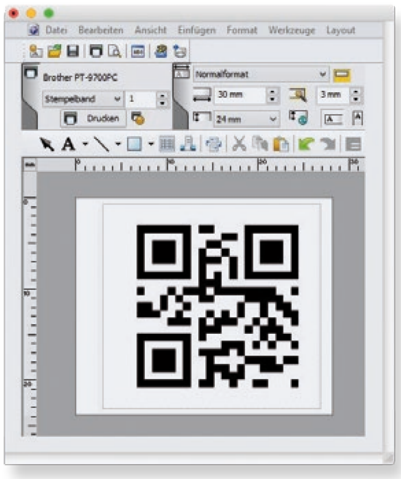
Image size: 8 cm x 3 cm
corresponds to template size: 12 cm x 7 cm

Calculation example:
12 cm x 7 cm = 84 cm²
84 cm² x 0.50 € = 42 €
42 € + 15 € order fee = 57 €

Print your own marking templates

Cleaning
Polishing
Marking

With the help of a labelling machine, you can create your own single-use marking templates – the ideal solution for marking your products with individual product numbers.
On the display printers, you can create text and numbers on the spot and print them directly.
By connecting the printer to the PC, you can embed logos, frames, or bar codes in the label layout.



Screenshot
Labelling software

Item No.	Description	Individual price€	
EP-05-221	**Label Printer Brother PT-H500** Professional labelling machine with PC connection, print resolution 180 dpi, band width 18-24 mm supplied without batteries / power cord, incl. USB cable **Optional accessories:**	119.90	
EP-05-228	Mains adapter	21.99	
EP-05-229	Lithium/ion batteries	26.99	
EP-05-220	**Brother PT-E550WVP** Professional labelling machine for industrial application, print resolution 180 dpi, band width 18-24 mm, WLAN, incl. Li-Ion battery, mains cable / USB cable, carrying case	249.00	
EP-05-204	**Brother PT-D600VP** Professional labelling machine including colour display, print resolution 180 dpi, band width 18-24 mm, incl. mains cable / USB cable, carrying case	149.90	
EP-05-208	**Brother P-touch P900W** Professional labelling machine for the PC, print resolution 360 dpi, band width 18-36 mm, incl. mains cable / USB / WLAN	429.90	
EP-05-209	**Brother P-touch P950NW** Equipment as above plus network connection	599.00	
EP-05-213	**Brother P-touch D800W** Professional labelling machine incl. WLAN and separate LCD keyboard, print resolution 360 dpi, band width 18-36 mm, incl. mains cable / USB / WLAN	499.90	
EP-05-223	**Brother TD-4000** Professional label printer for high print volumes, print resolution 300 dpi, for 100 mm continuous label roll, incl. mains cable / USB cable	474.81	
EP-05-224	**Brother TD-4100N** Equipment as above plus network connection	629.51	
	Labelling bands, 3 m for Label Printer PT-H500, PT E550WVP, PT-D600VP, PT-9700PC, PT-9800PCN		
EP-05-210	18 mm band width	21.90	
EP-05-211	24 mm band width	29.90	
EP-05-212	36mm band width	36.60	
	Template paper 100 mm for thermal template printer TD-4000 / TD-4100N		
EP-05-911	45 m continuous label roll	125.00	
EP-05-912	3 m continuous label roll	10.50	
	other sizes on request		

Electrolytes for marking

Dark marking applies an oxidation layer to the surface; bright marking removes parts of the surface - like engraving, but does not look dark. Both methods are permanent and resistant to chemicals and abrasion - and are therefore often used for surgical instruments, tools, sanitary fittings, etc.

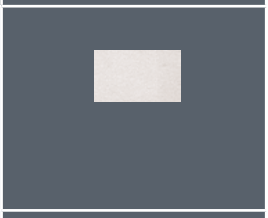
✘ Cleaning
✘ Polishing
✔ Marking

Item No.	Description	Individual price €
	Electrolyte for dark marking on stainless steel (AC) and bright marking on aluminium (DC)	
EP-04-004	100 ml	8.25
EP-04-014	500 ml	36.75
EP-04-044	1,000 ml	67.20
	Electrolyte for marking aluminium (not anodized) - DC	
EP-04-007	100 ml	9.75
EP-04-018	500 ml	39.75
EP-04-077	1,000 ml	73.50
	Electrolyte for marking corrosion-sensitive structural steels - AC	
EP-04-006	100 ml	8.25
EP-04-016	500 ml	36.75
EP-04-066	1,000 ml	67.20
	Electrolyte for marking burnished surfaces - DC	
EP-04-053	100 ml	9.75
EP-04-054	500 ml	41.25
EP-04-056	1,000 ml	75.60
	Electrolyte for marking surgical instruments and gold-plated surfaces - AC	
EP-04-106	100 ml	8.25
EP-04-020	500 ml	36.75
EP-04-038	1,000 ml	67.20
	Electrolyte for bright marking on stainless steel – DC	
EP-04-045	100 ml	8.25
EP-04-046	500 ml	36.75
EP-04-049	1,000 ml	67.20

Item No.	Description	Individual price €
	Electrolyte for marking brass, bronze, copper and zinc - AC	
EP-04-005	100 ml	12.00
EP-04-015	500 ml	45.00
EP-04-055	1,000 ml	82.50
	Electrolyte for marking titanium – AC	
EP-04-050	100 ml	12.00
EP-04-051	500 ml	45.00
EP-04-052	1,000 ml	82.50
	Electrolyte for marking chrome-plated and nickel-plated surfaces - AC	
EP-04-017	100 ml	8.25
EP-04-047	500 ml	36.75
EP-04-048	1,000 ml	67.20
	Electrolyte for marking tool steel (hardened) – AC	
EP-04-008	100 ml	8.25
EP-04-039	500 ml	36.75
EP-04-088	1,000 ml	67.20
	Highly concentrated neutralyte for neutralising after marking	
EP-04-009	100 ml	5.90
EP-04-019	500 ml	27.45
EP-04-099	1,000 ml	54.90

Accessories and consumables for marking

Cleaning
Polishing
Marking

Item No.	Description	Individual price€	
	Marking felts, white, 40 x 60 x 2 mm suitable for 90 ° carbon electrode / marking handle for marking lettering using a marking electrolyte		
EP-03-111	10 pieces	3.90	
EP-03-001	20 pieces	6.90	
EP-03-011	100 pieces	25.80	
EP-03-110	**Marking felt roll 40 x 5000 x 1.70 mm**	27.50	
EP-03-000	**O-rings, 10 pieces** For attaching the felts to the carbon electrodes	3.99	
EP-02-033	**Marking handle with 90° carbon electrode** for 1.5 mm² cable, 4 mm power socket	65.00	
EP-07-005	**Connection cable** black, for marking handle	14,50	
EP-02-003	**Carbon electrode 90°, M10 x1.5 thread** for marking with templates and white marking felts, universally usable with marking or cleaning handle	22.90	
EP-02-003-By	Version with M10 x 1.0 fine thread (BYMAT)	22.90	
	Connection cables 1 m / 1.5 mm², with angled plug for Signox devices for cleaning and marking with carbon electrode and red handle. Not suitable for cleaning with carbon fibre brushes!		
EP-07-044	Connection cable red	14.50	
EP-07-055	Connection cable black	14.50	
EP-07-003	**Crocodile clamp, red** For marking small parts in connection with connection cables 1.5 mm² Opening angle 35 mm, max 15 A continuous load Not suitable for cleaning with carbon fibre brushes!	8.50	
	Power sockets for Cleanox IV, Signox II and polishing handle, 4 mm		
EP-07-006	Device socket red	2.99	
EP-07-007	Device socket black	2.99	
EP-07-008	Handle socket black	2.99	
EP-02-050	**Marking set** complete basic marking equipment in a case Contents: • red Softtouch marking handle, 90 ° marking electrode • 2 m bl, 1.5 mm“ connection cable • 1 x 100 ml marking electrolyte for stainless steel (universal) • 1 x 50 ml Neutralyt • 5 white marking felts • 5 O-Rings • Sample marking template	100.00	

May we introduce ourselves?

Reuter GmbH & Co. KG manufactures state of the art technology for electrochemical cleaning, polishing and marking, in Erkarth near Düsseldorf. 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 workshop 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.

www.reuter.works

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.

PREVIEW
2018

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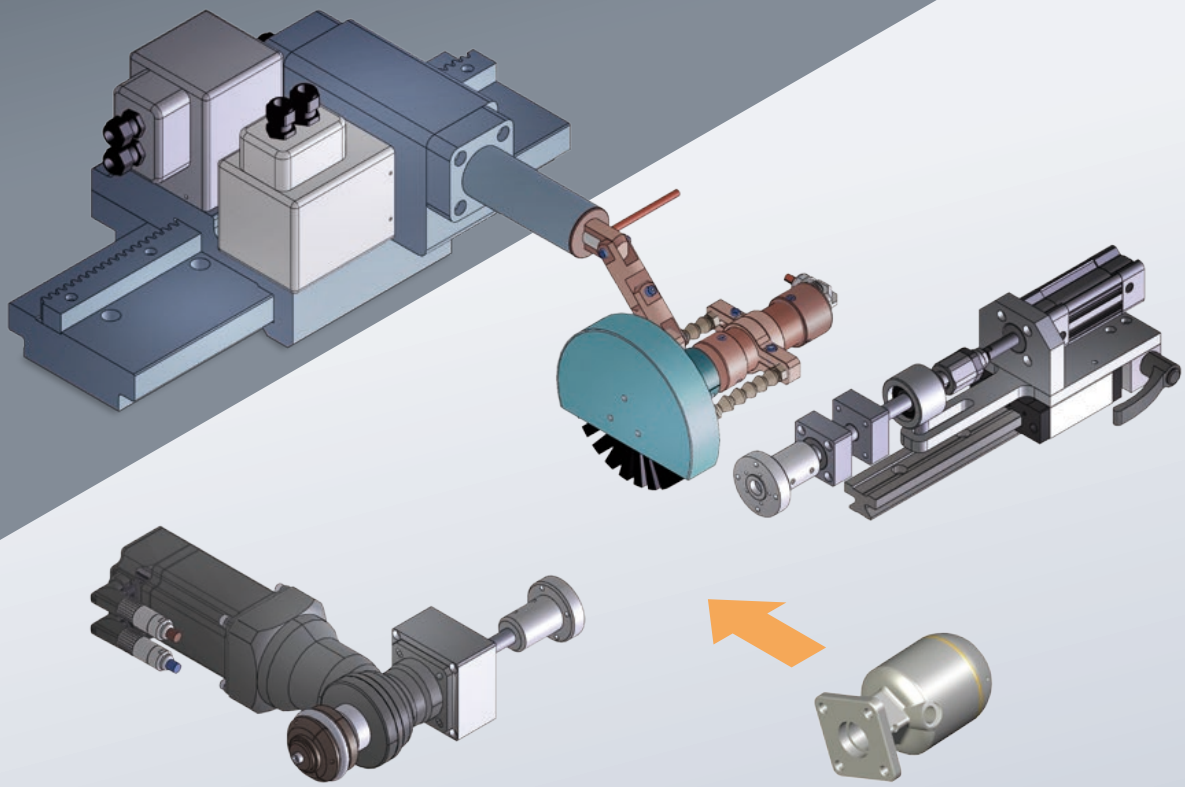
AutoCleanox 4.0



The AutoCleanox 4.0

- **cleans, polishes, passivates, rinses & drys fully automatic in one operation with up to 75% time and cost savings**
- Full automation with up to 4 CNC axes
- CNC control with program memory and can-bus interface
- patented electromechanical brush drive
- patented high-performance electrolyte intelligent feeding
- automatic rinsing and drying program
- integrated exhaust system with condensate and carbon filter