

10 LIGHT YEARS
FOR INNOVATION &
QUALITY

The
Jubilee Brochure
with many
jubilee prices
& new
products



SuperCleanox VI
jubilee price: 2,700 €
see page 8

Electrochemical
Cleaning, Polishing, Marking
2019

Electrochemical Cleaning, Polishing, Marking

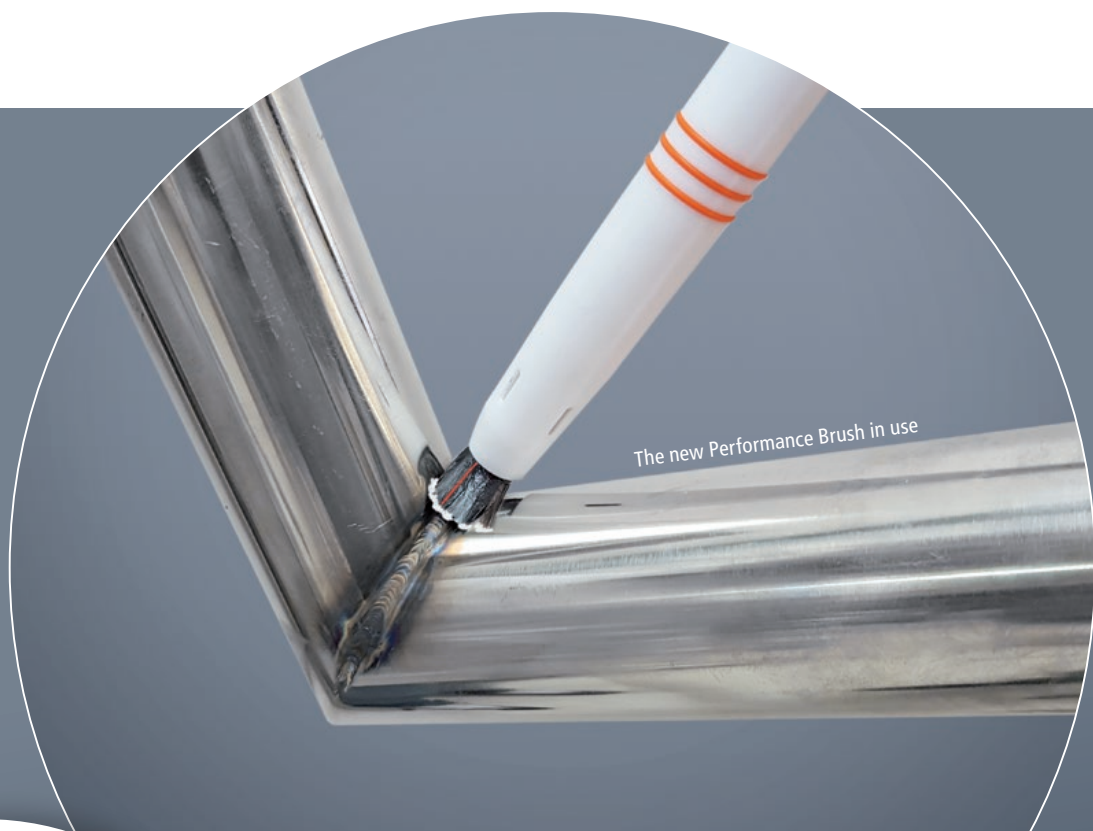
Only 10 years? Hard to believe.

For most metalworkers this is a matter of course:

the welding seam and surface cleaning with the practical carbon fibre brush.

Fast, clean, non-toxic. It is hard to believe that this intelligent technology has only been on the market since 10 years. And who invented it? Right: Reuter!

QUALITY ■ MADE
■ IN
■ GERMANY



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All prices are non-binding
price recommendations and apply
without VAT and freight costs.
Subject to price revisions.
Version: June 2019





Reuter in Erkrath near Düsseldorf



Reuter on the trade fair Schweißen & Schneiden



Reuter online: www.reuter.works

2009 Olaf Reuter founds the company Reuter, the first carbon fibre brush goes into series production. From now on, things really take off: the new electrochemical cleaning technique is to be made usable for all areas of metalworking. A comprehensive product range is created: powerful weld seam cleaning equipment for heavy-duty work, light and mobile equipment for the construction site. Carbon fibre brushes for all applications. Marking equipment. Most different electrolytes, all kinds of accessories. Meanwhile, the folders are filled with patents and utility models.

2019 2019 Reuter is not longer the only supplier of this technique – but innovation and quality reliably keep the competitors at bay. With patented design from Erkrath and production quality made in Germany. This is also shown in this brochure: Browse through the current product innovations on the next 13 pages. And celebrate with us – the jubilee prices are reason enough!



Dear customers: Thank you.

Without your suggestions and ideas we would not be so far. We continue to develop with 100% practical relevance. And we count on you. To the next 10 years – see you!

Cordially, your Olaf Reuter

Dipl.-Eng. SFI / IWE,
mechanical engineer and welding engineer,
owner of Reuter GmbH & Co. KG



The Reuter mascot

The Cleanox 1.0:

The unbelievably affordable entry into Reuter technology

new

10 YEARS REUTER
jubilee price

800 €

LIMITED EDITION

5.2 kg
only

80A!
at 100%
duty-cycle



Optional: marking set

Cleaning of TIG seams, dark marking

With the Cleanox 1.0 set we tied up a package which will convince you for the benefits of Reuter's technology: easy to operate, robust, powerful – and incredibly affordable.

Cleanox 1.0: The Specialist

The Cleanox 1.0 is a pure AC device with 800 VA power and only intended for cleaning of welding seams using the carbon fibre brush. Simple operation makes the device ideal for building sites and pipe installations. The design of the Cleanox 1.0 is specially made for the use of our new carbon performance brushes in size „L“ or „XL“ and works with powerful 80 A continuous current at 100 % duty-cycle and pulse currents of up to 120 A.

The weight of 5.2 kg was significantly reduced compared to the previous series by using plastic and aluminium.

The optional marking set can be used to apply dark labelling, e.g. batch numbers or name plates.



* Our Cleanox devices are sold as a device set; so you have everything you need to get started right away. The picture shows the scope of delivery Cleanox 1.0.

Set Cleanox 1.0*

Item no.:	EP-01-011
Weight device:	5,2 kg
Weight set:	10 kg
Dimensions device:	240x150x260 mm
Power output:	800 VA
Mains voltage:	110/240 V/50–60 Hz/6 A
Secondary voltage:	10,5 V AC
Protection class:	IP21
Jubelee price:	800 €



¹⁾ L brushes available in a set of 5 units for 130.00

²⁾ XL brushes available in a set of 5 units for 189.00

Item no.	The set Cleanox 1.0 includes:	Quantity	Unit price €
EP-02-939	Performance brush L	1 unit	¹⁾ 26.00
EP-02-938	Teflon sleeve performance L	1 unit	85.00
EP-02-930	Adapter M10 Performance	1 unit	29.00
	Teflon handle with 4m cable 10 mm ²	1 unit	
	Earthing cable, 10 mm ² , 4 m, with 200 A clamp	1 unit	
	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
Item no.	Optional accessories:	Quantity	Unit price €
EP-02-929	Performance brush XL	1 unit	²⁾ 37.80
EP-02-928	Teflon sleeve performance XL	1 unit	89.00
EP-02-054	Marking set in plastic case 1.0	1 unit	39.90
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

Our patented inverter technology:

The concentrated Reuter power for your mobile use

new



Slimmed down heavily!

With the latest inverter technology and intelligent lightweight construction with aluminium, carbon fibre and plastic, we bring concentrated power to the new Cleanox generation. With these unusually light devices you are totally mobile – no matter if in the workshop, on assembly or somewhere high on top of the scaffolding, completely without socket.



With the small AkkuSignox I you can apply more than 250 dark markings on metal surfaces independent of mains power: Logos, type plates, EAN codes...

10 YEARS REUTER
jubilee price
595 €

AkkuSignox I
Solo

AkkuCleanox The Outdoor Specialist

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-lightweight 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.



Set AkkuCleanox*

Item no.:	EP-01-050
Weight device:	7 kg
Weight set:	19 kg
Dimensions device:	250 x 150 x 300 mm
Power output:	1,250 VA
Battery:	16 V LiFePo, 320 Wh
Efficiency:	95%
Battery life:	mind. 1 h
Housing:	carbon fibre + aluminium
Charger	
Mains voltage:	115–240V/50 Hz, 3 A
Secondary voltage:	6–12V AC/DC
Charging time:	8 h
Protection class:	IP23
Jubelee price:	4,595 € 2,999 €

Charge Booster

Item no.:	EP-01-160
Weight device:	2.5 kg
Dimensions device:	325x180x75 mm
Power output:	1,250 VA
Mains voltage:	100–240 V, 7 A 50/60 Hz
Protection class:	IP67
Set price:	795 €



EasyCleanox The Travel Companion

Not even 6 kg – but powerful 90A! Modern inverter technology and an ultra-light and robust plastic-aluminium-housing make it possible. 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.

AutoCleanox The Automizer

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.

Set AkkuCleanox & Ladebooster*

Item no.:	EP-01-050B
Weight set:	23 kg
Jubelee price:	4,995 € 3,750 €

Set EasyCleanox*

Item no.:	EP-01-030
Weight device:	5,9 kg
Weight set:	11 kg
Dimensions device:	250x150x300 mm
Power output:	1,500 VA
Efficiency:	96 %
Mains voltage:	100–250 V/50–60 Hz/6 A
Secondary voltage:	6–14V AC/DC
Protection class:	IP65
Set price:	2,850 €

Set AutoCleanox*

Item no.:	EP-01-033
Weight device:	7 kg
Weight set:	12 kg
Dimensions device:	250x150x300 mm
Power output:	1,500 VA
Efficiency:	96 %
Mains voltage:	100–250 V/50–60 Hz/6 A
Secondary voltage:	6–18V AC/DC
Protection class:	IP23
Set price:	3,995 €

* Our device sets contain everything you need to get started:
teflon handle with earthing cable,
carbon fibre brush, several electrolytes,
transport case etc.

The SuperCleanox family: Power for the Industrie

10 YEARS REUTER
jubilee price
2,995 €
2,700 €
Set SuperCleanox VI



For heavy-duty industrial use

The SuperCleanox range has proven itself after years of use in multi-shift operation by reputable customers. Capability and reliability are the top priorities. 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.

This power allows fast 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.



* Our SuperCleanox devices are sold as a device set; so you have everything you need to get started right away. The picture shows the scope of delivery SuperCleanox VI.

SuperCleanox VI HD The Muscle Man

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 The All-Rounder

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+ Enter the Champions 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.

Set SuperCleanox VI HD*

Item no.:	EP-01-017 HD
Power output:	3,450 VA
Weight (set):	32 kg
Dimensions:	190x200x450 mm
Mains voltage:	230V/50 Hz/16 A
Secondary voltage:	6-21 V AC/DC
Protection class:	IP23
Set price:	3,795 €

Set SuperCleanox VI*

Item no.:	EP-01-017
Power output:	2,500 VA
Weight (set):	28 kg
Dimensions:	190x200x450 mm
Mains voltage:	230V/50 Hz/10 A
Secondary voltage:	9-32 V AC/DC
Protection class:	IP23
Jubilee price	2,995 € 2,700 €

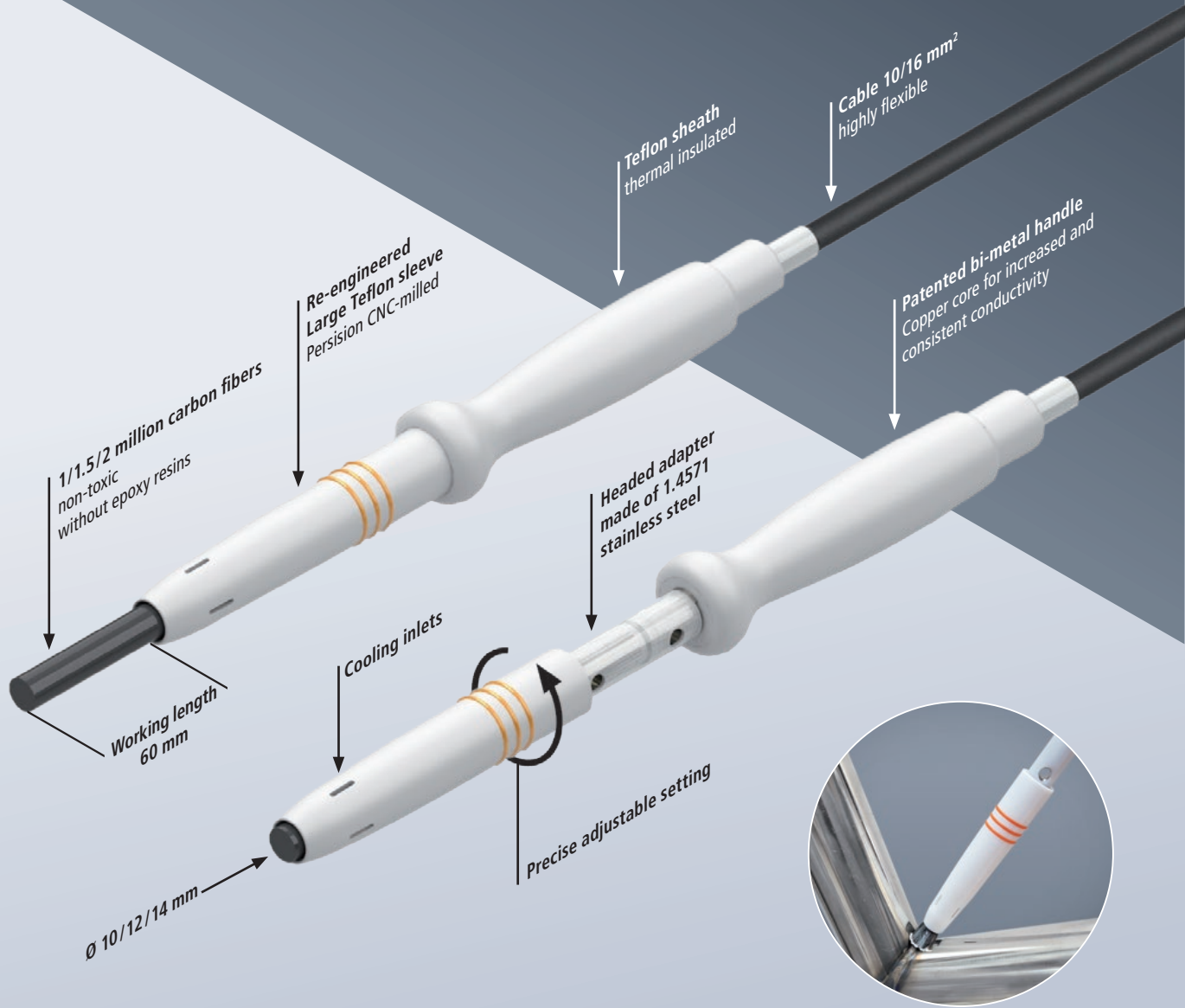
Set SuperCleanox IV+*

Item no.:	EP-01-021
Power output:	1,500 VA
Weight (set):	25 kg
Dimensions:	190x200x450 mm
Mains voltage:	230V/50 Hz/8 A
Secondary voltage:	9-18 V AC/DC
Protection class:	IP23
Set price:	2,595 €

new

Der Performance Brush:

That's how innovation works!



The Performance Brushes are completely redesigned. They combine user-friendliness, performance enhancement and cost-effectiveness:

- available in three sizes: L = 1 million carbon fibers; XL = 1.5 million carbon fibers; XXL = 2 million carbon fibers
- easy and precise adjustment of the brush
- longer life and better cooling through the large Teflon sleeve
- all parts are engineered with acid-proof stainless steel
- cheaper than the time-tested XL brush & even longer brush life

Performance Starter Kit High performance made cost effective

Our three new Performance Brushes L/XL/XX are made of acid-resistant stainless steel – oxidized copper or brass threads are things of the past. 1 million, 1.5 or even 2 million carbon fibers show more performance than any product of the competitors. Within our sets of 5 brushes, the price per brush is 30% lower than our former XL brush.

The high performance large, CNC-turned **Teflon sleeve** will give you the required brush length quickly and precisely in a few simple turns.

The new **thread adapter** will allow you to quickly replace your current handle and insert the newly designed version. Because all our products come with German precision engineering as standard, it will also protect the thread between the brush and the handle preventing any oxidization.

The new transparent **heat resistant cap** is designed to place over your brush once finished to keep your brush in pristine condition and ready for the next job.



10 YEARS REUTER
jubilee price
26 €
Performance Brush L



Item no.	Description	Quantity	Kit price €	Kit L	Kit XL	Kit XXL	Kit MIX
EP-02-937	Performance Starter Kit L	1 Set	210.00	✓			
EP-02-927	Performance Starter Kit XL	1 Set	270.00		✓		
EP-02-947	Performance Starter Kit XXL [△]	1 Set	390.00			✓	
EP-02-931	Performance Starter Kit MIX	1 Set	390.00				✓
Item no.	Starter Kits: Included accessories	Quantity	Individual price €				
EP-02-930	Adapter M10 Performance	1 unit	29.00	✓	✓	✓	✓
EP-02-938	Teflon sleeve performance L	1 unit	85.00	✓			✓
EP-02-928	Teflon sleeve performance XL	1 unit	89.00		✓		✓
EP-02-948	Teflon sleeve performance XXL	1 unit	95.00			✓	✓
EP-02-939	Performance brush L 1 million carbon fibers, 60 mm working length	5 units	130.00 (26.00 / unit)	✓			
EP-02-929	Performance brush XL 1.5 million carbon fibers, 60 mm working length	5 units	189.00 (37.80 / unit)		✓		
EP-02-949	Performance brush XXL 2 million carbon fibers, 60 mm working length	5 units	315.00 (63.00 / unit)			✓	
	Performance brushes L, XL, XXL	3 x 1 unit	n.a.				✓
	Plastic cap, suitcase, for mounting: stainless steel pin & spanner	1 unit	n.a.	✓	✓	✓	✓

[△] only for use with SuperCleanox- – cleaning voltage can get higher than 100 A
n.a.: not available as a single unit

new

The new AutoFeed

Finally: The first automatic electrolyte supply system

- ✓ Significantly faster working
- ✓ Reduced fluid consumption
- ✓ Compatible with any cleaning device on the market



Clean it. The electrolyte flows all by itself

Similar to the wire feed control in MSG welding machines, a microprocessor calculates the optimum amount of electrolyte, which is then fed directly into the carbon fibre brush by a servo pump. As soon as the brush is lifted off the workpiece, the electrolyte supply stops; with a back pump that prevents dripping – all fully automatic!

The complete AutoFeed inside the compact MagicBox

All of our technology for the Auto Feed system is completely protected in the compact MagicBox. This is simply connected to any weld cleaning device – which then also takes over the power supply (a wide-range power supply unit makes it possible). A voltage sensor measures the cleaning energy – and the servo pump doses exactly the right amount of electrolyte, which is then delivered via the hose system and AutoFeed handle directly into the carbon fibre brush.

Even a 5l canister with the electrolyte liquid can be stored in the MagicBox (signal transmitter for empty supply included). Of course, all components are acid-proof; due to the use of mild REUTER electrolytes, hoses and AutoFeed handle do not have to be cleaned after use.

And the special highlight: The MagicBox is compatible with any welding seam cleaning device on the market!



AutoFeed handle

10 YEARS REUTER
jubilee price

1.500 €

MagicBox &
AutoFeed handle

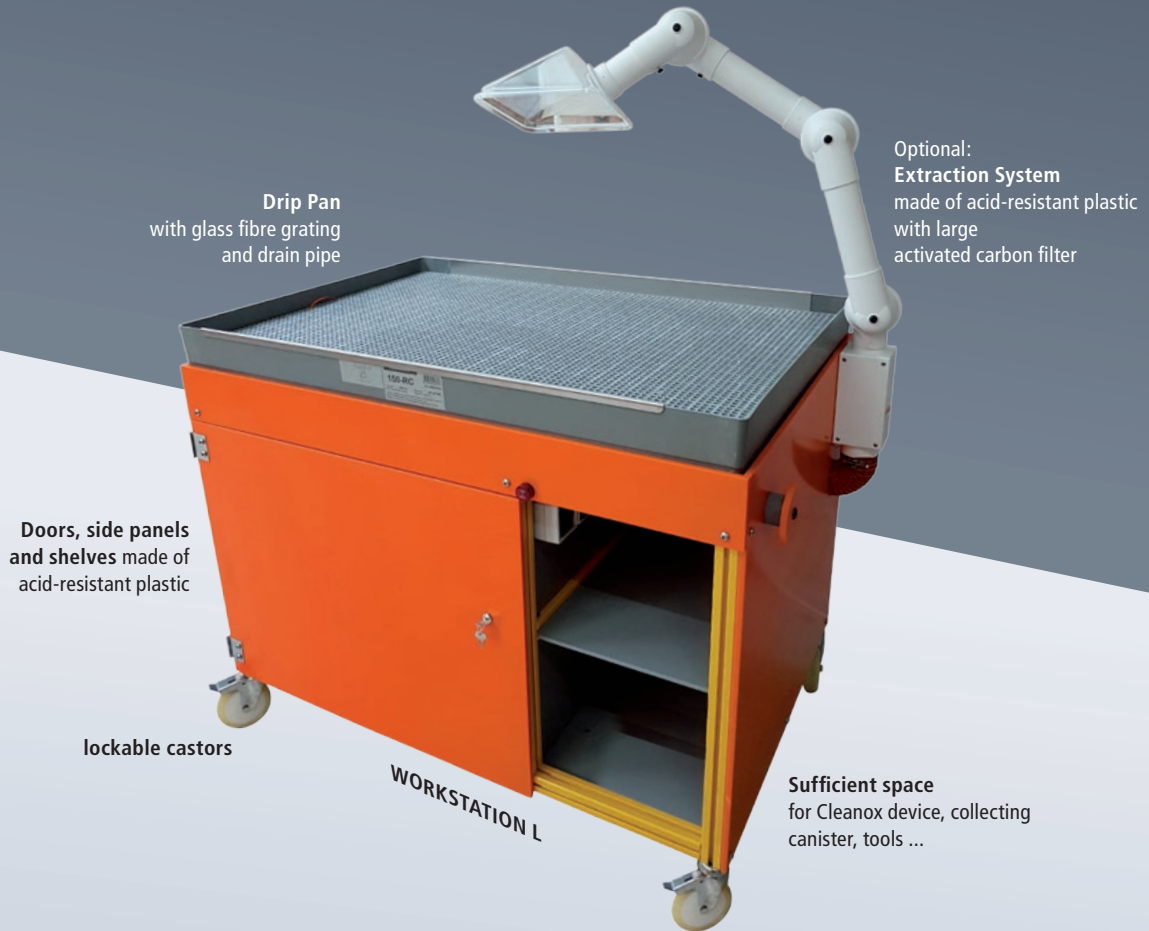


MagicBox

Item no.	Description	Quantity	Kit price €
EP-01-060	MagicBox includes:	1 set	1,500.00
	• AutoFeed handle		
	• Control device of stainless steel		
	• Servo pump		
	• 2,5 m hose package		
	Accessories (optional):		Individual price €
EP-02-960	Performance AutoFeed brush XL	1 unit	89.00
EP-02-961	Performance AutoFeed brush XXL	1 unit	119.00
EP-02-928	Teflon sleeve Performance XL	1 unit	89.00
EP-02-948	Teflon sleeve Performance XXL	1 unit	95.00
EP-04-041	Canister Cleaner electrolyte	5 liter	49.00

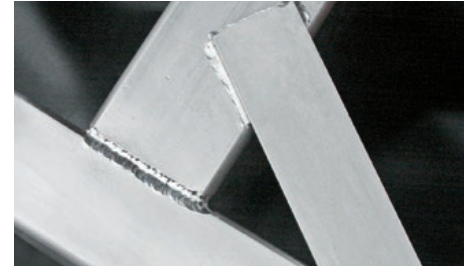
Reuter WorkStation...

and your Cleanox becomes a full-fledged workplace



Ergonomic Cleaning, Polishing, Marking

Our WorkStations M&L turn your Cleanox into a fully-fledged workplace – stationary or mobile. Sufficient storage space for device and accessories as well as a work surface with integrated drain enable ergonomic working. The WorkStations are completely made of acid-resistant materials. The work surface made of glass fibre grating protects your workpieces from damage and prevents unwanted power transmission.



This WorkStation fits exactly into your company

Customize your WorkStation precisely to your operational needs:

The **collecting canister** with drain tap fits perfectly into the storage space under the work surface. And the associated **level sensor** warns you – visually or acoustically – when the canister is full.

With a powerful 350m³/h, the **extraction system** with large active charcoal filter provides good air in the workshop.

The **wastewater treatment plant** treats the water exactly as you need it. We can offer an almost closed water circuit with up to 96% efficiency. The system is individually configured according to your requirements and applicable rules. We will be pleased to make you an offer – for this we need a waste water sample from your company.

We also construct **individual WorkStations** in special sizes or with other special equipment. We would be pleased to provide you an offer – 3D drawing included.



Optional: wastewater treatment plant

Item no.	Description	Set price €
EP-06-030	Workstation M – 800x400x1000 mm	990.00
EP-06-020	Workstation L – 1200x800x1000 mm	1,995.00
	Accessories (optional):	Unit price €
EP-07-126	Collecting canister with drain tap	28.80
EP-07-130	Level sensor for canister	79.00
EP-06-023	Extraction system – 350m ³ /h incl. filter	795.00
EP-06-027	active charcoal filter replacement cartridge	149.00



collecting canister



Schimmelbuschstr. 9e
40699 Erkrath
GERMANY
☎ +49 211 730604-30
mail@reuter.works

www.reuter.works

The electrolytes: Guaranteed non-toxic



10 YEARS REUTER
jubilee price

49€

Cleaner 5l

Our cleaning electrolyte is the non-poisonous E338 food additive – which is also used in Cola-drinks. We use a natural mineral acid without artificial additives such as surfactants, dyes or stabilizers. Our electrolytes are guaranteed non-toxic.

Item no.	Description	Unit price €
EP-04-041	CLEANER – electrolyte for cleaning slightly oxidised TIG weld seams 5l canister	49.00
EP-04-042	SUPERCLEANER – to clean severely tarnished or oxidised weld seams 5l canister	79.00
EP-04-043	POLISHER – for polishing stainless steel surfaces; also very suitable for cleaning 5l canister	109.00