



Quality-products for professional
welding seam cleaning | metal-refincment | labeling



Made in Germany



hs strahlboy



Art.Nr.: hsstrahlboy - HS-60010

Technical data

230 V, 10 VA, 50 Hz, P1 max 12 bar

weight: about 6 kg

The sandblaster for small areas is suitable for decreasing of cinder and cinder residuum on welding seams. Furthermore work can be very effectively implemented such as roughening up, cleaning, derusting, deburring, polishing and unpolishing of small surfaces. The *hs strahlboy* is equipped with compressed air entrance up to 12 bar, an automatic water trap on pressure regulator and a vapour blasting vessel. The jet is actuated by operation of the switch on jet handle. Over the pressure regulator the desired operating presser can be stopped and read off from the manometer. During the transport the jet hose is stowed in the apparatus. The *hs strahlboy* is the ideal addition to our cleanserie.

Scope of supply:

1 *hs strahlboy* complete with jet house
2,5 m

- 1 x 1 kg EK10 (cleaning and unpolishing)
- 1 x 1 kg EG10 (cleaning and polishing)
- 1 x jet 1,5 mm

combination apparatus *hs cleaner* + *hs strahlboy*



Art.Nr.: *hs cleaner 1/hs strahlboy* - HS-40050

Art.Nr.: *hs cleaner 2/hs strahlboy* - HS-40060

Art.Nr.: *hs cleaner 3/hs strahlboy* - HS-40070

Technical data (*hs strahlboy*)

prim 230 V, 10 VA, 50 Hz

P1 Max 12 bar

Technical data (*hs cleaner*)

prim 230 V, 300 VA, 50 Hz

sec. 260 VA, 15 Amp

AC 18 V - DC 25 V

weight: about 12 kg

The combination apparatus - all in one. The *hs strahlboy* is to combine with the *hs cleaner 1, 2 and 3* depending upon need. All processing options in one equipment. We advise you gladly and provide you a detailed offer.

Scope of supply

1 combination apparatus *hs cleaner* / *hs strahlboy*

- 1 x 1 kg EK10 (for cleaning and unpolishing)
- 1 x 1 kg EG10 (for cleaning and polishing)
- 1 x jet 1,5 mm

1 accessories cas (*hs cleaner*) with:

- 1 x 1 litre cleanox 2
- 1 x container
- 1 x cleaning plunger complete
- 1 connecting cable red 4 m
- 1 connecting cable black 4 m
- 1 current clamp red
- 2 x O-rings
- 1 x Kettlar longtime-felt (moistered fells)
- 1 x cleaning and marking felts one-side countersunk
- 1 acid protective gloves
- 1 protective goggles
- 1 cable for power stage





Art.Nr.: hs cleaner 1 / upright format -
HS-40010

Art.Nr.: hs cleaner 1 - HS-40010

Technical data

prim 230 V, 300 VA, 50 Hz

sec. 260 VA, 15 Amp, AC 18 V - DC 25 V

weight: about 5,5 kg

The *hs cleaner* is, like the other devices from the *hs cleaner* series a professional equipment, tested in practical applications, which finds its employment in trade and industry. It is available in the flat as well as the upright format. It is a characterised simple and safe operation. Following work can be implemented professionally with the *hs cleaner* 1:

Tidy and precise cleaning of welding seams

Marking with screen printing form



Art.Nr.: hs cleaner 2 / upright format -
HS-40020

Art.Nr.: hs cleaner 2 - HS-40020

Technical data

prim 230 V, 300 VA, 50 Hz

sec. 260 VA, 15 Amp, AC 18 V - DC 25 V

weight: about 5,8 kg

The *hs cleaner* 2 is also available according requirements in flat and upright format.
It is a characterised simple and safe operation.

Following work can be implemented professionally with the *hs cleaner* 1:

Tidy and precise cleaning of welding seams

Marking with screen printing form

**Polishing – removing of peripheries and zones
influence of heat**



Art.Nr.: hs cleaner 3 - HS-40030

Technical data

prim 230 V, 300 VA, 50 Hz

sec. 260 VA, 15 Amp, AC 18 V - DC 25 V

weight: about 6 kg

The *hs cleaner* 3 is the allround under the *hs cleaners*. By its versatility it is the ideal addition for metal working factories.
Also this equipment is characterised by its simple and safe operation. Following work can be implemented professionally with the *hs cleaner* 3:

Tidy and precise cleaning of welding seams

**autographe – marking dark and light with screen
printing form**

**Polishing – removing of peripheries and zones
influence of heat**

**galvanise coated – corrosion-prevent-coats like tin an
zinc as well as refinemet by gold, silver and nickel.**



Art.Nr.: HS-40075

enclosed in the scope of supply of *hs cleaner* 1,2 and 3.

1 accessories case

- 1 x 1 ltr. Cleanox 2
- 1 x container
- 1 x cleaning plunger complete
- 1 x connector cable 4 m red, with current clamp
- 1 x connector cable 4 m black
- 2 x O-rings
- 1 x Kettlar longtime-felt (moistered felts)
- 1 x cleaning and marking felts one-side countsunk
- 1 x acid protective gloves
- 1 x protective goggles
- 1 x cable for power stage

hs cleaner 1

cleaning
marking

hs cleaner 2

cleaning
marking
polishing

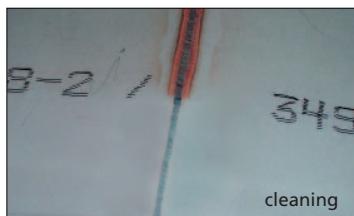
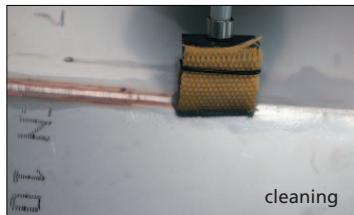
hs cleaner 3

cleaning
autographe
polishing
coating
elektroplating

hs accessories

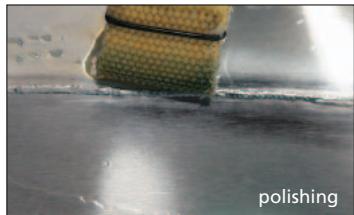


cleaning



95 % of all tasks of metal cleaning equipments consist of eliminating annealing colour and cinder residues on stainless steel welding seams. The stepless regulation of hs cleaner makes a cleanly, precise treatment and colour identical possible. With adequate applications no poisonous steams arising. After cleaning the parts with clear water are washed off, passivation. Only in this condition the so important chrome oxide protection is forming within 10 – 12 days the protection of stainless steel surface in connection with oxygen. In this time no oils or other compounds may be applied. Should it be compellingly necessary that we have to passivate, in a second processing step is it possible to apply our passivator P 100 on the cleanded welding seams with a brush. Allow to react 10 minutes, wash off again with water. The chrome oxide film is now present an maintainance oil can be applied.

polishing



Possibly araising peripheries and zones influence of heat can be removed by polishing.

marking autographhe dark / light

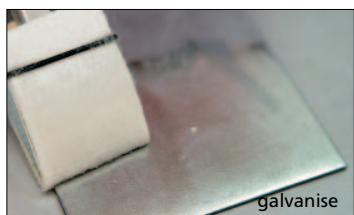


By applying of anticorrosion electrolyte on the screen printing form it is possible to autographe durable manufacturers logo's, serial numbers etc. on metal surfaces for example type plates and tools.

(Autographhe black) After completely cleaning of the surface with cleanox 1 or 2, the symbols, writings or numbers by means are deep black etched by means of templates electronically. With large surface dencity the corrosion goes more deeply, similarly to an engraving.

(Autographe light) Marking – like "Autographhe black" For the light inscriptiuons – also similarly engraving it is to use electrolyte "light marking".

coating elektroplating



By galvanize coating corrosion protection layers can be applied as for example tinand zinc. For refine metal surfaces can be applied, gold, silver or nickel layers.



hs signature MSG 1

Marking apparatus model range MSG

The marking apparatus of the model range MSG are optimally adapted on quality, technology and design to the requirements of the market. By applying of the electrolyte on the screen printing from manufacturers logo's, serial numbers etc. can be marked durably on metal surfaces like for example type plates and tools. No dangerous materials are used. The screen printing forms are many times usable and can be purchased in our company as well as are prepared individually.

The stainless steel plate is connected by contact with the apparatus. For special activities the stainless steel plate can be removed. In addition the red terminal clamp must be connected with the plate.

The devices are available depending upon your need in 3 types.



Marking dark (labelling). Power AC in 2 stages adjustably. Suitably for dark marking of chrome nickel steel, simply- and high-alloyed steel, chrome, nickel, zinc, brass and copper.

Art.Nr.: hs signature MSG 1 - HS-30010

Technical data

prim 230 V, 50 VA, 50 Hz

sec. 80 VA, 5 Amp, AC 16 V

weight: about 5 kg

hs signature MSG 2



With MSG 2 are all inscriptions possible like with MSG 1. Power in 2 stages adjustably AC/DC. Light marking is on nearly all materials possible including aluminium.

Art.Nr.: hs signature MSG 2 - HS-30020

Technical data

prim 230 V, 50 VA, 50 Hz

sec. 80 VA, 5 Amp, AC 16 V, DC 16 V

weight: about 5 kg

hs signature MSG 3



With MSG 3 are all inscriptions possible like with MSG 1. Additionally the MSG 3 possesses a stepless regulation, adjustable marking time with electrical circuit control and display.

Art.Nr.: hs signature MSG 3 - HS-30030

Technical data

prim 230 V, 50 VA, 50 Hz

sec. 80 VA, 5 Amp, AC 16 V

weight: about 5 kg

Accessories

Accessories, enclosed in the scope of supply:

Art.Nr.: HS-30035

1 accessories case with basic equipment for marking - containing:

- 1 x 100 ml. universal electrolyte for marking
- 1 x 100 ml. Cleanox 1 for cleaning
- 1 x labelling plunger complete
- 1 x connector cable 1,5 m red
- 1 x connector cable 1,5 m black
- 1 x current clamp red
- 1 x felt for labelling
- 1 x extra O-ring
- 1 x sample form
- 1 x cleaning cloth
- 1 x cable for power stage

(Additionally contained for MSG2)

- 1 elektrolyte 100 ml „light“ for light labelling



**hs cleaner P**

cleaning
marking ○●
polishing
coating
elektroplating

The Professional-Compact-Application with built in electrolyte-pump

- to cleaning welding-seams
- to polish
- to writing, marking
- to the galvanic coating

- with variable Stromausgangsstärke
- built-in electrolyte-reservoir
- automatically measuring pump and intergrated switch-off-logic.

Through the new concept, you can save with this type of device, specially with bigger work-scope, up to 50 % treatment times.

The advantages of the *hs cleaner P*

- Adjustable, manually or automatically pump intervals gives continuously the right quantity electrolyte at the workpiece.
- Switch-off stream with handle, pumping (stream and pump switch-off at the same time with the switch).
- Protection-switch prevents baking material at short circuit.
- Alternative stream-exit.
AC (alternating current for cleaning and marking dark) DC (direct current, for polishing, marking bright and galvanizing).
- Clearly operator-surface. Cleaner and pump are graphically separate.
- Simple and safe handling
By attitude "of norm" at the regulator, are reached optimal results with all applications. Fine tunings are possible every time with continuously variable controller.
- At adjustable AC DC strom-exit all cleaning work can be executed efficiently.
- Switch-off-logic after approx. 8 seconds stoppage.
- Automatically exhaustion of pump hose.
The electrolyte in the hose will be re-pumped in the tank.
- housing compl. stainless steel, partial powder coated, Contents of tank about 2,5 ltr.
- The welded together platform protects from the leakage of electrolytes.
- All electro- and electronics-components are stowed in the upper part of the machinery.
- The pump tube is stowed in the machinery during the transport.
- The machinery is built easy-to-maintain and can be serviced without problem in every elektro shop.



Art.Nr.: *hs cleaner P - HS-50010*

Technical data

prim 230 V, 300 VA, 50 Hz

sec. 260 VA, 15 Amp

AC 18 V - DC 25 V

Tank capacity about 2,5 ltr

hose length 3 m

weight: about 10 kg



hs cleaner P

hs cleaner P

cleaning
marking ○●
polishing
coating
elektroplating



Scope of supply:

- 1 *hs cleaner P* (pump cleaner)
- 1 pump tube 3m
 threatened parts for graphite coals exchangeable
- 1 x tank; 2,5 ltr. electrolyte
- 1 connecting cable red 4 m with stream-clamp
- 1 roll
- 1 acid protective gloves
- 1 full-view eye protector
- 1 network-appliance cable

Options:

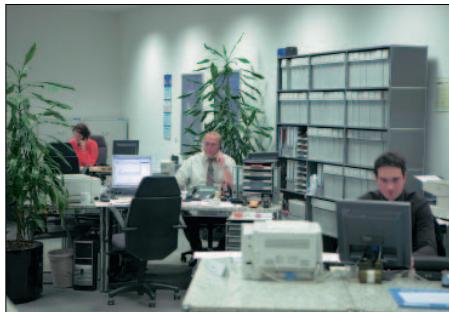
- plastic or aluminium case with content after choice for further applications. Price according to equipment on request
- Pump hoses up to 6 m deliverable against extra costs
- Electrolyte 2,5 ltr. (VE 3 pcs). or in canister with 5 ltr. for refilling



In Baden Württemberg, at the foot of the Hohenstaufen, the products of the hs-production (resp. hs-series) are conceived and produced after the strict high-quality-guidelines of the DIN ISO 9001:2000.

The experience of many years and extensive knowledge of the trade is the foundation of that, for the practice thorough draft of the quality-conscious production of our appliances (resp. devices).

By dear advantages, in engineering and quality, the appliances are optimal adjusted to the demands of the market. Our products find your effort, at the trade and in the industry at every place where, at the treatment of metalsurfaces great store is setting by quality.



Our appliances are very service-friendly. When there ever will arise a problem or when there will be damaged something by improper treatment. Our service-department will stand by you during the usual business hours.

We show you an extensive supply for accessories and consumer goods.

Under our homepage, www.hscleaner.de, you find the complete supply, the operating instruction of the appliances and many useful informations about the treatment.

hs cleaner-products are only available from the authorised specialized trade.



hs partner: