

PRODUCT CATALOG



**EUROPEAN
TECHNOLOGY
SOLUTIONS GMBH**



INNOVATION & SUSTAINABILITY

WELD SEAM CLEANING DEVICES

ETS SolidClean X® / ETS Electrolytes / ETS Accessories



Nonfood Compounds

NSF REGISTERED

3 electrolytes for applications in food processing

CLEANER

A3

POLISHER

A3

NEUTRALIZER A1

NSF Nonfood Compounds Registration Program

Technology That Makes Your Work Easier.

Your Partner for Pioneering Electrochemical Cleaning Solutions and Global Distribution.

With over 35 years of international welding industry experience and in-depth know-how in electrochemical cleaning, we provide high-grade products and services tailored to effective weld seam cleaning and surface treatment. Our many years of expertise and hands-on experience enable us to develop individual solutions for even the most demanding challenges encountered throughout the welding industry.

Our roots in practical welding technology give us a deep understanding of the processes and needs of weld seam cleaning. Our work focuses on the development and manufacture of our own electrochemical cleaning systems. With state-of-the-art technology, uncompromising standards and innovative designs, we set new benchmarks in the welding industry and provide sustainable solutions precisely tailored to the needs of our customers.



Globally connected - continuously growing

ETS European Technology Solutions GmbH - worldwide, close to the customer.

Our electrochemical cleaning solutions are already in use in many countries - and their reach continues to grow. With an expanding network of international partners, we ensure that our products are available worldwide.

We work closely with our distributors to provide high standards, reliable service and individual solutions on site. Through targeted expansion and new partnerships, we continuously grow our global sales network - building a strong presence in all relevant markets.



Technology That Makes Your Work Easier.

Each weld seam counts - the right device makes the difference

Electrochemical cleaning with ETS means:
state-of-the-art inverter technology, easy
handling and excellent results.

ETS electrochemical cleaning devices
provide a technological advantage across
all welding processes through high efficiency,
resource conservation and sustainable
cleaning and polishing performance.

Whatever welding process you use, whether
MIG/MAG, electrode, plasma or TIG,
high-grade ETS inverter technology gives
you the performance needed for professional
weld seam cleaning.

To help you choose the right model from
our broad range of professional weld seam
cleaning devices, we created the new ETS
product configurator. It helps you find
the device that best matches your
application - because the ideal weld seam
cleaning system first has to be found.



SolidClean X - Efficient solution for weld seam and surface treatment

The SolidClean X series provides an advanced, environmentally friendly solution for electrochemical cleaning, polishing and passivation of stainless steel weld seams. It is ideal for TIG, MIG pulse arc, laser, submerged arc (SAW), resistance, orbital, plasma and spot welding processes - regardless of the surface finish.

Equipped with modern inverter technology, the SolidClean X enables an immediate electrochemical reaction for fast and precise results - without halos, without waiting times and with maximum operator safety.

For demanding industrial and series production applications, SolidClean X stands out through:

Modular design for maximum flexibility,

Automatic electrolyte feed (depending on model),

Intuitive operation for efficient workflows.

SolidClean X - Powerful. Precise. Sustainable.



System and Application

SolidClean X

Complete System. Ready for Use.

Device, electrolytes and accessories form a coordinated system for professional weld seam and surface treatment.

- **Cleaning, polishing and passivation**
- **Modular design for different applications**
- **Matched accessories for efficient workflows**
- **For workshop, assembly and series production**



ETS AutoBrush



SolidClean X Set

USE IN FOOD PROCESSING

All three products are registered for defined applications in and around food processing areas. They are not intended for direct food contact.

THREE REGISTERED PRODUCTS



ETS Cleaner

A3

NSF Registration No. 174045

Category Code: A3 Acid cleaner

NSF REGISTERED NONFOOD COMPOUND



ETS Polisher

A3

NSF Registration No. 174046

Category Code: A3 Acid cleaner

NSF REGISTERED NONFOOD COMPOUND



ETS Neutralizer

A1

NSF Registration No. 174047

Category Code: A1 General cleaner

NSF REGISTERED NONFOOD COMPOUND

GENERAL APPLICATION INSTRUCTIONS

When used in food processing facilities, food and packaging materials must be removed or protected. Cleaned surfaces must be rinsed with potable water after use. Apply according to the manufacturer instructions and the respective NSF category.



**NSF REGISTERED
3 PRODUCTS**

Nonfood Compounds Registration Program

Company No. C0903420

- **ETS Cleaner** **A3**
No. 174045
- **ETS Polisher** **A3**
No. 174046
- **ETS Neutralizer** **A1**
No. 174047

Verify registration in the NSF White Book online.



nsfwhitebook.org

Verify

registration

SolidClean X 80 - 100 - 150 (Auto)



SolidClean X® 80 / 100 1200 W / 2000 W

SOLIDCLEAN X 80/100 ACDC DEVICE SET
WELD SEAM CLEANING AND POLISHING DEVICE WITH
MARKING FUNCTION - CONSISTING OF:

- Carbon brush
- adjustable Teflon sleeve
- Ground cable 3 m, 16 mm², with 250 A clamp
- Brush handle with 3 m, 16 mm² highly flexible cable
- Wide-neck container 500 ml for cleaning electrolytes
- Spray bottle 500 ml
- 1 L ETS Cleaner
- 1 L ETS Polisher

230 V 50-60 Hz, 7.5 / 8.5 kg, 40x18x30 cm

in plastic case 60x40x32 cm

Code: ETSSC.X80 / ETSSC.X100



ETS SolidClean X® 150 (Auto) 2500 W

SOLIDCLEAN X 150 ACDC DEVICE SET
WELD SEAM CLEANING AND POLISHING DEVICE WITH
MARKING FUNCTION - CONSISTING OF:

- Carbon brush
- adjustable Teflon sleeve
- Ground cable 3 m, 16 mm², with 250 A clamp
- Brush handle with 3 m, 16 mm² highly flexible cable
- Wide-neck container 500 ml for cleaning electrolytes
- Spray bottle 500 ml
- 1 L ETS Cleaner
- 1 L ETS Polisher

230 V 50-60 Hz, 12 kg, 40x18x30 cm

in plastic case 60x40x32 cm

Code: ETSSC.X150

ETS SOLIDCLEAN X 80 - 100 - 150 (AUTO)

Technical Data

Detail	80	100	150
Input voltage	200-250 VAC		
Input frequency	50-60 Hz		
Input current 230 V	6.5A	11A	15A
Connection type	Single-phase		
Output power	1200W	2000W	2500W
Output voltage	1...12V	1...24V	1...30V
Max. output current	100A	83.3A	83.3A
AC output frequency	50-60 Hz	50-60 Hz	50-60 Hz
AC balance adjustment	x	x	x
Voltage accuracy	± 0.5 %		
Energy efficiency	> 80 %	> 80 %	> 80 %
EMC standards	EN61000-3-2, 61000-3-3, 61000-3-12, EN61000-4-4		
Insulation resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70%RH		
Dielectric strength	Input & Output: 2500 VAC Input & Ground: 1500 VAC Between output end and housing: 500 VAC		
Permissible operating temperature	-10...+40°C		
Overload protection	x	x	x
Short-circuit protection	x	x	x
Cooling	Fan		
Pump capacity	---	---	25...75 ml/min
Pump capacity adjustment	---	---	Potentiometer
Liquid tank	---	---	external
Weight	7.5 kg	8.5 kg	12 kg

ETS EUROPEAN TECHNOLOGY SOLUTIONS GMBH

Product Catalog

ETS - Electrolytes

ETS Cleaner, ETS Polisher and ETS Neutralizer are registered in the NSF Nonfood Compounds Registration Program.



ETS - CLEANER
ETS Cleaner 6x1 Liter
Code: ETSC6
ETS Cleaner 1x5 Liter
Code: ETSC5
NSF registered - Category A3



ETS - POLISHER
ETS Polisher 6x1 Liter
Code: ETSP6
ETS Polisher 1x5 Liter
Code: ETSP5
NSF registered - Category A3



ETS - NEUTRALIZER
ETS Neutralizer 6x1 Liter
Code: ETSN6
ETS Neutralizer 1x5 Liter
Code: ETSN5
NSF registered - Category A1

ETS - Accessories



ETS - MARKING SET
Code: ETSSS
Included:
1 marking handle with carbon
1 marking holder
1 power cable, length 2 m
1 graphite electrode for marking, 35 mm
5 O-rings
1 marking stencil (sample - ETS logo)
Solutions for marking stainless steel (AISI 300 / Duplex)
1 INOX-M, black marking solution - 100 ml



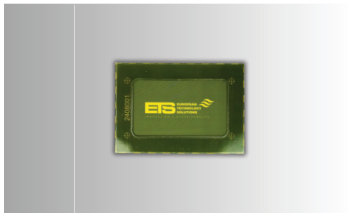
ETS - CARBON
MARKING HANDLE

Code: ETSSGK



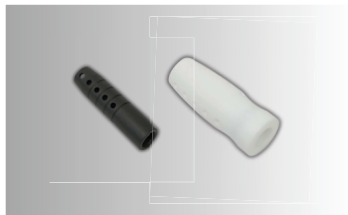
ETS - MARKING
ELECTROLYTE 100 ML

White **Code: ETSMELW**
Black **Code: ETSMELS**



ETS - MARKING
STENCIL

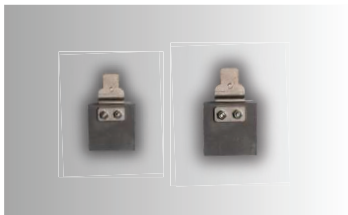
25x15 mm
Code: ETSMS



ETS - CARBON NOZZLE
Ø 10 mm
Code: ETSPB10
Ø 12 mm
Code: ETSPB12



ETS - POWER CABLE
FOR BRUSH
Length 2 m
Code: ETSSKB2
Length 4 m
Code: ETSSKB4
Length 6 m
Code: ETSSKB6



ETS - MARKING
ELECTRODE
22 mm
Code: ETSSSEL22
35 mm
Code: ETSSSEL35

ETS EUROPEAN TECHNOLOGY SOLUTIONS GMBH

Product Catalog

ETS - Accessories



ETS - BRUSH HANDLE

Code: ETSBUR



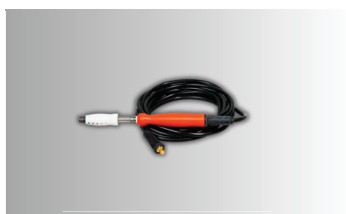
ETS - BRUSH HOLDER

Code: ETSBH



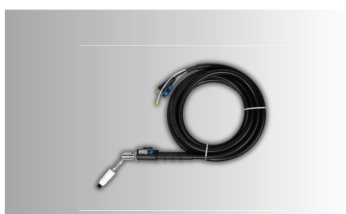
ETS - BRUSH 10 MM
(COMPLETE)

Code: ETSBXC.10



ETS - BRUSH 12 MM
(COMPLETE)

Code: ETSBXC.12



ETS - AUTO BRUSH

Code: ETSXAB



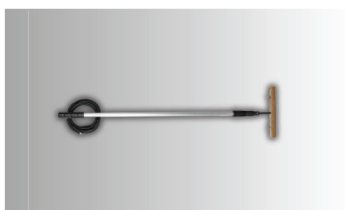
ETS - COUPLING PIECE
M/F

Code: ETSKUP



ETS - CONTAINER
500 ML WITH LID

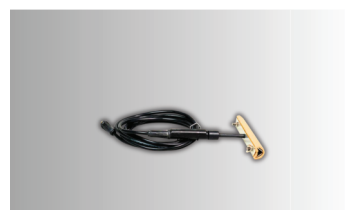
Code: ETSBMD



ETS - SURFACE CLEANER
(WITH HANDLE)

300 mm

Code: ETSFL300X



ETS - SURFACE CLEANER
200 mm

Code: ETSFL200

300 mm

Code: ETSFL300



ETS - GROUND CABLE
(16 MM²) COMPATIBLE

Length 3 m

Code: ETSMK3

Length 6 m

Code: ETSMK6



ETS - POWER CABLE

Length 4 m

Code: ETSSK4

Length 8 m

Code: ETSSK8



ETS - BRUSH

Ø 10 mm

Code: ETSPIN10

Ø 10 mm 5 pcs

Code: ETSPIN10x5

Ø 12 mm

Code: ETSPIN12

Ø 12 mm 5 pcs

Code: ETSPIN12x5

Technology that makes your work easier.



ETS European Technology Solutions GmbH

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