

Weldability



**ANT WELD
CLEANER**

Professional Weld Cleaning & Passivation Solutions



PRODUCT CATALOGUE



Turn Your Stainless Steel & Aluminium Welds Into Perfection

Unlock superior finishing with Ant Weld Cleaner. Designed for maximum efficiency, Ant Weld Cleaner machines clean, passivate, and polish all stainless steel and aluminium grades while offering flexible power options to suit any application.

Intelligent Surface Sensing Technology powers Ant Weld Cleaner machines and provides a real edge in weld cleaning!



Save Time



Flawless Finishing



Increase Productivity



Most Powerful Weld Cleaner



BEFORE



AFTER



Clean, Polish, Passivate Stainless Steel & Aluminium

Every component of an Ant Weld Cleaner machine is designed with precision to ensure exceptional cleanliness, quality and safety when finishing your welds.

Ant Weld cleaners efficiently remove contaminants and passivate welds without affecting their strength. Instead, they improve weld quality by eliminating impurities and preventing corrosion, resulting in stronger, longer-lasting welds.

After cleaning or polishing, welds achieve a smooth, shiny finish that enhances the overall appearance of the final product especially important in industries where visual appeal matters, such as architectural metalwork or bespoke fabrication and the food industry, where cleanliness is key.

ISS - Intelligent Surface Sensing

Ant Weld Cleaner's Intelligent Surface Sensing Technology detects the metal surface to provide the required passivation, minimising the oxidation process.

This results in:

- 🐜 **Faster cleaning**
- 🐜 **Consistent finish**
- 🐜 **Reduced chemical use**
- 🐜 **Protection of the metal surface**

The electrochemical process involves using acid, electricity, and heat to treat the metal surface.

Unlike other machines that often rely on fixed parameters, ISS technology adapts dynamically to the unique characteristics of each surface.



Electrochemical Cleaning

Electrochemical weld cleaning uses an electrolyte bath and electrical current to remove impurities and oxides from welded surfaces. The workpiece is brushed with a conduction solution, allowing the current to clean the metal efficiently.

- 🐜 **Ant Weld Fluid 1 & 5 Litre**
- 🐜 **Ant Weld Neutraliser 1 & 5 Litre**
- 🐜 **Ant Weld Carbon Brushes**



The electrolyte in electrochemical weld cleaning is formulated to dissolve oxides and impurities while protecting the metal.

Selecting the right solution for the specific metal is essential for the best results.

- Enhanced cleaning and polishing performance
- No risk of surface damage
- Higher efficiency and productivity
- Long-lasting durability and cost-effectiveness



Best Selling Product Range & Technical Specifications



	AWC ECO	AWC 70	AWC 200	AWC 600
Power Supply	230V 50Hz	230V 50Hz	230V 50Hz	415V 50Hz
Output Power	900W	840W	2400W	7200W
Weld Cleaning	0-150A fluctuation	5-70A	10-200A	10-600A
Size	31 x 21 x 19 cm	31 x 21 x 19 cm	48 x 29 x 31 cm	48 x 29 x 31 cm
Cable Size	3 metre	3 metre	6 metre	6 metre
Brush Holder	1/2	1/2	1/2/4/10	1/2/4/10/20
Mode	Clean	Clean, Polish & Passivation	Clean, Polish & Passivation	Clean, Polish & Passivation

Advanced Design  **High Power Output**  **Portability**

AWC 250

Nuclear Premium Weld Cleaning Kit



The AWC-250 Nuclear is an industry-first high-performance weld cleaning system designed for nuclear-grade and high-reliability environments. Engineered with radiation-resistant electronics and premium materials, it delivers stable, predictable performance and long service life under demanding conditions.

Providing a continuous 250-amp output, the system ensures uniform weld cleaning, passivation and surface finishing on the workpiece, even during extended usage, thanks to the 100% duty cycle.

Built with a reinforced industrial structure, high-efficiency cooling, and stainless steel and aluminium components, the AWC-250 Nuclear offers exceptional mechanical durability, thermal stability, and chemical resistance.

With precise control electronics and continuous performance monitoring, the AWC-250 Nuclear delivers repeatable, high-quality results with minimal operator effort, making it a rare and specialised solution for critical nuclear applications.



Machine → Capability ↓	AWC ECO	AWC 35	AWC 70	AWC 120	AWC 200	AWC 250 NUCLEAR	AWC 400	AWC 600	AWC MARK
TIG Cleaning									
MIG Cleaning									
Aluminium Cleaning									
Polishing									
Marking Etching									
Heavy Duty Cleaning									

Part Number	Product Name
AWCECO	Ant Weld Cleaner ECO
Clean only. Includes one brush adapter and two brushes, 3 metre handle and ground cables.	
AWC35	Ant Weld Cleaner 35
Includes single and dual brush adapters and five brushes, 3 metre handle and ground cables.	
AWC70	Ant Weld Cleaner 70
Includes single and dual brush adapters and ten brushes, 3 metre handle and ground cables.	
AWC120	Ant Weld Cleaner 120
Includes single, dual and four brush adapters, ten brushes, 6 metre handle and ground cables.	
AWC200	Ant Weld Cleaner 200
Includes single, dual and four brush adapters, ten brushes, 6 metre handle and ground cables.	
AWCNUCLEAR	Ant Weld Cleaner 250 Nuclear
Includes single, dual and four brush adapters, ten brushes, 6 metre handle and ground cables.	
AWC400	Ant Weld Cleaner 400
Includes single, dual and four brush adapters and ten brushes, 6 metre handle and ground cables.	
AWC600	Ant Weld Cleaner 600
Includes single, dual, and four brush adapters and ten brushes, 6 metre handle and ground cables.	
AWCMARK	Ant Weld Cleaner Marking Kit
Includes fluid, cables, 10 cotton pads and an instructional manual. Supplied with a removable handle and marking tip.	



**Part Number****Product Name****AWCBM6S****AWC Brush M6**

AWC carbon fibre brush set, 10 brushes.

**AWCC6****AWC Handle**

AWC handle cable, 6 metre.

**AWCC3****AWC Handle**

AWC handle cable, 3 metre.

**AWCGC6****AWC Ground Cable**

AWC ground cable, 6 metre.

**AWCGC3****AWC Ground Cable**

AWC ground cable, 3 metre.

**AWCASH250****AWC Brush Holder**

AWC brush holder, 250 mm.

**AWCASH200****AWC Brush Holder**










AWC brush holder, 200 mm.

**AWCASH150****AWC Brush Holder**

AWC brush holder, 150 mm.

**AWCADH****AWC 2 Brush Adapter**

AWC 2 brush adapter kit.

Part Number	Product Name	
AWCAQH	AWC 4 Brush Adapter	
AWC quad brush holder kit.		
AWCA10	AWC 10 Brush Adapter	
AWC 10 brush adapter kit.		
AWCA20	AWC 20 Brush Adapter	
AWC 20 brush adapter kit.		
AWCF1	AWC Fluid 1L	
Cleaning and polishing fluid, 1 litre.		
AWCN1	AWC Neutraliser 1L	
Neutralising fluid, 1 litre.		
AWCF5	AWC Fluid 5L	
Cleaning and polishing fluid, 5 litres.		
AWCN5	AWC Neutraliser 5L	
Neutralising fluid, 5 litres.		
AWCWDM6D	AWC Double Brush Holder M6	
Designed to securely hold M6 size brushes.		
AWCWDM6QB	AWC Quadro Brush Holder M6	
Designed to securely hold M6 size brushes.		



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