

SURFOX MINI™ Weld Cleaning System

The SURFOX™ electrochemical weld cleaning system is a highly effective method of removing heat tint in the heat affected zone of TIG, MIG (aluminum only), and spot welded stainless steel and aluminum, without altering the surface of the parent material. It also promotes the formation of a uniform and durable chromium oxide passive layer to protect stainless steel against further corrosion. Surfox is a safer, faster and more cost effective alternative to very hazardous pickling pastes and abrasive weld cleaning processes like wire brushing and grinding.



The ideal unit for field or repair work

The ergonomically designed SURFOX MINI™ comes equipped with a variable power setting that ensures a perfect finish on even the most delicate surfaces. This unit utilizes refillable electrolyte cartridges instead of an integrated tank to reduce the weight and increase portability. Excellent for use on repairs, touch-ups and small jobs. This newly redesigned unit can clean TIG or spot welds on stainless steel and MIG, TIG, or spot welds on aluminum. It can also mark stainless steel, aluminum and titanium surfaces with the use of a SURFOX marking kit.

Process

- Put the wand setting to the micro wand setting under ALU or Stainless depending on the type of material you are working with.
- Put the power to AC LEVEL 2. If needed go to AC LEVEL 3 which has the most power. AC LEVEL 1 can be used on thin gauge metal when overheating could be an issue.
- Ground the workpiece
- Secure the electrolyte cartridge on the micro-wand.
- Turn on the machine
- You will need to manually pump the liquid out of the cartridge pressing the micro-wand.
- Once the weld or the surface is cleaned use a rag to remove the excess of electrolyte solution. You could also rinse with water that contains less than 200 ppm.
- Apply Surfox-N or FT-100 everywhere the electrolyte solution has been.
- Use a different rag to remove the Surfox-N or FT-100. You could also rinse with water that contains less than 200 ppm.
- **Wait 48 hours to make sure the passive film is formed prior applying a protector or wrapping for shipping.**

Be careful when mounting/removing the wand, always clean and neutralize the connector with Surfox-N or FT100.

Please read the user manual of the surfox before using the device.