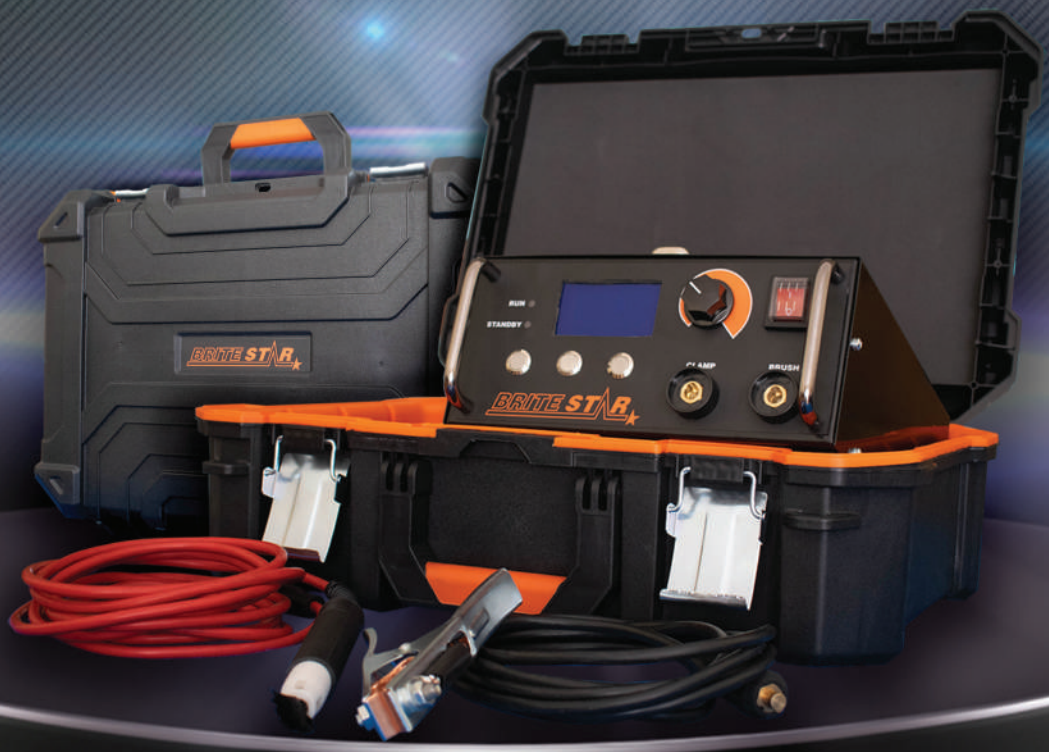
BRITE STAR

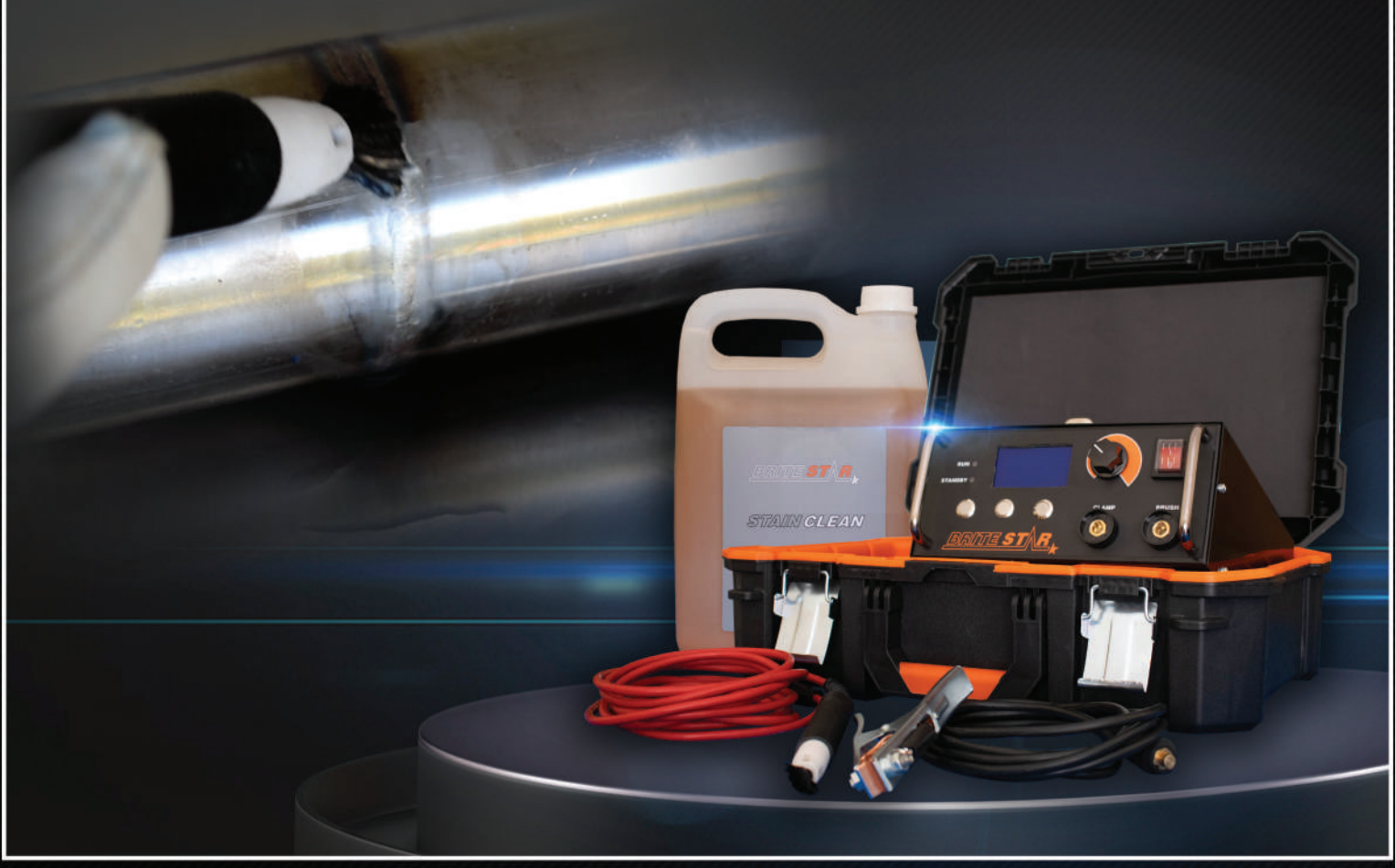


THE FUTURE OF STAINLESS STEEL WELD CLEANING, MARKING AND ETCHING

ELECTROLYTIC WELD CLEANING

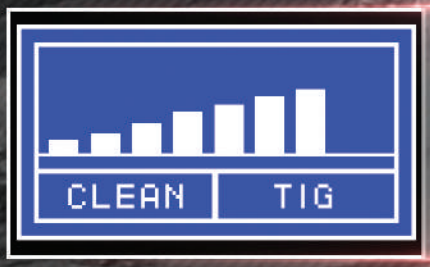
STAINLESS STEEL WELD CLEANING MADE SIMPLE

- BRITESTAR UITILIZES AN ELECTROLYTIC WELD CLEANING PROCESS THAT IS SIMPLY :
  - THE FASTEST
  - SAFEST
  - AND MOST ECONOMICAL WAY OF POST WELD CLEANING STAINLESS STEEL
- MECHANICAL GRINDING AND THE USE OF HYDROFLOURIC ACID BASED PICKLING PASTES, DESTROY THE ESSENTIAL PASSIVATION LAYER, THAT PROTECTS THE INTEGRITY OF THE STAINLESS STEEL.
- NOW, POST WELD IMPURITIES, SUCH AS RUST, HEAT TINTS AND DISCOLOURATION ARE REMOVED USING A MILD ELECTROLYTIC PROCESS.
- A LOW CURRENT IS TRANSMITTED THROUGH A CARBON FIBRE BRUSH, WHICH ACTIVATES THE BRITESTAR STAINCLEAN FLUID TO RESTORE THE METAL TO IT'S ORIGINAL STATE.
- STAINLESS STEEL FABRICATORS ARE NO LONGER FACED WITH THE HEALTH RISKS ASSOCIATED WITH THE USE HYDROFLORIC ACIDS. INSTEAD THEY CAN NOW EMBRACE AN EASY TO USE SOLUTION WITH A LOW ENVIRONMENTAL IMPACT.



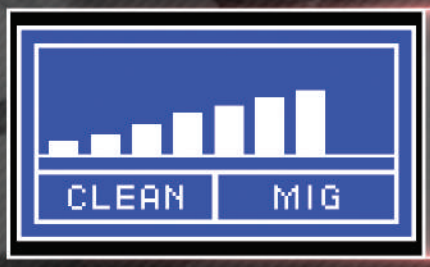
BRITESTAR CLEANING

STAINLESS STEEL WELD CLEANING MADE SIMPLE



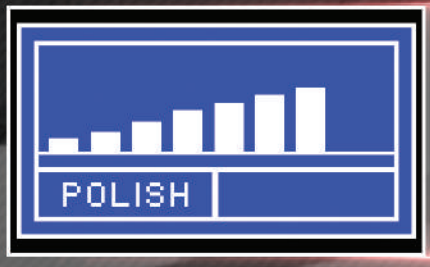
▸ CLEANING - TIG

This CLEANING process utilizes an Alternating Current form (AC Current). The current is transferred from the torch head to the material via a conductive carbon fibre brush. The STAINCLEAN solution is used for this process.



▸ CLEANING - MIG

This process also utilizes the same AC current shape form, as the TIG CLEANING process. However by having a separate section in the process menu, future software updates can offer separate individual cleaning improvements. THE STAINCLEAN solution is used for this process.



▸ POLISHING - MIG & TIG

The POLISHING process utilizes a Direct Current (DC Current). This is a more powerful process, that provides the cleaned surface with a high quality polished finish. THE STAINCLEAN solution is used for this process.

BRITESTAR FEATURES

BRITESTAR 1600

A powerful 1600 Watt, 80 Amp, Dual Cleaning and Marking Machine that runs at 80 Amps

DIGITAL DISPLAY

A Visual Feedback Display that provides information on all the parameters selected

RUN / STAND BY

An easy to use function that allows the Operator to put the brush into safe mode in between weld cleans.

INVERTER BASED

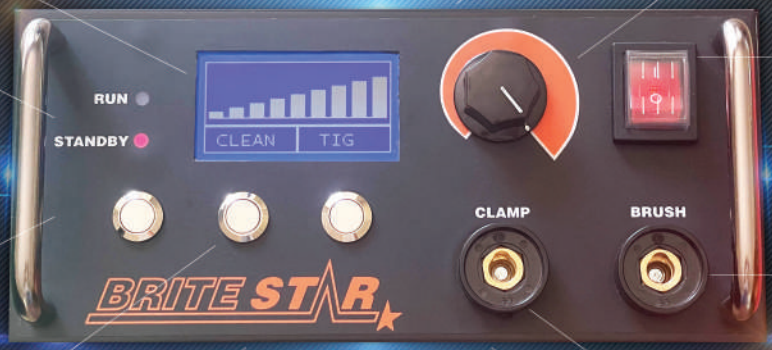
A highly efficient control system That reduces the amount of cleaning solution that is used. It is also reduces electricity consumption

PUSH BUTTON CONTROL

The menus of both the cleaning / polishing and labeling modes and processes, are easily accessed for selection.

COOLING SYSTEM

Provides continuous cooling to the heat sinks, thus maximizing the duty cycle.



HIGH DUTY CYCLE

Extremely high Duty Cycle of 100% @ maximum output settings at 40 degrees Celsius.

ENCODER CONTROL

An extremely accurate current controller, that offers nine separate power options in every process menu.

ISOLATION SWITCH

Isolates both the Live and Neutral supply currents. A dust / splash cover protects both the machine and the operator.

SINGLE SET OF OUTPUT TERMINALS

A single set of output terminals for both the AC & DC Output Currents.The Output current runs at a safe 24 volts.

DUAL AC / DC OUTPUT

An AC Menu for Cleaning & Etching, and a DC Menu for Polishing & Marking.

SQUARE WAVE TECHNOLOGY

An AC current with square wave configuration supplies constant energy that ensures maximum performance.

ELECTROLYTIC MARKING & ETCHING

SEAMLESSLY MARK & ETCH ON STAINLESS STEEL IN SECONDS.

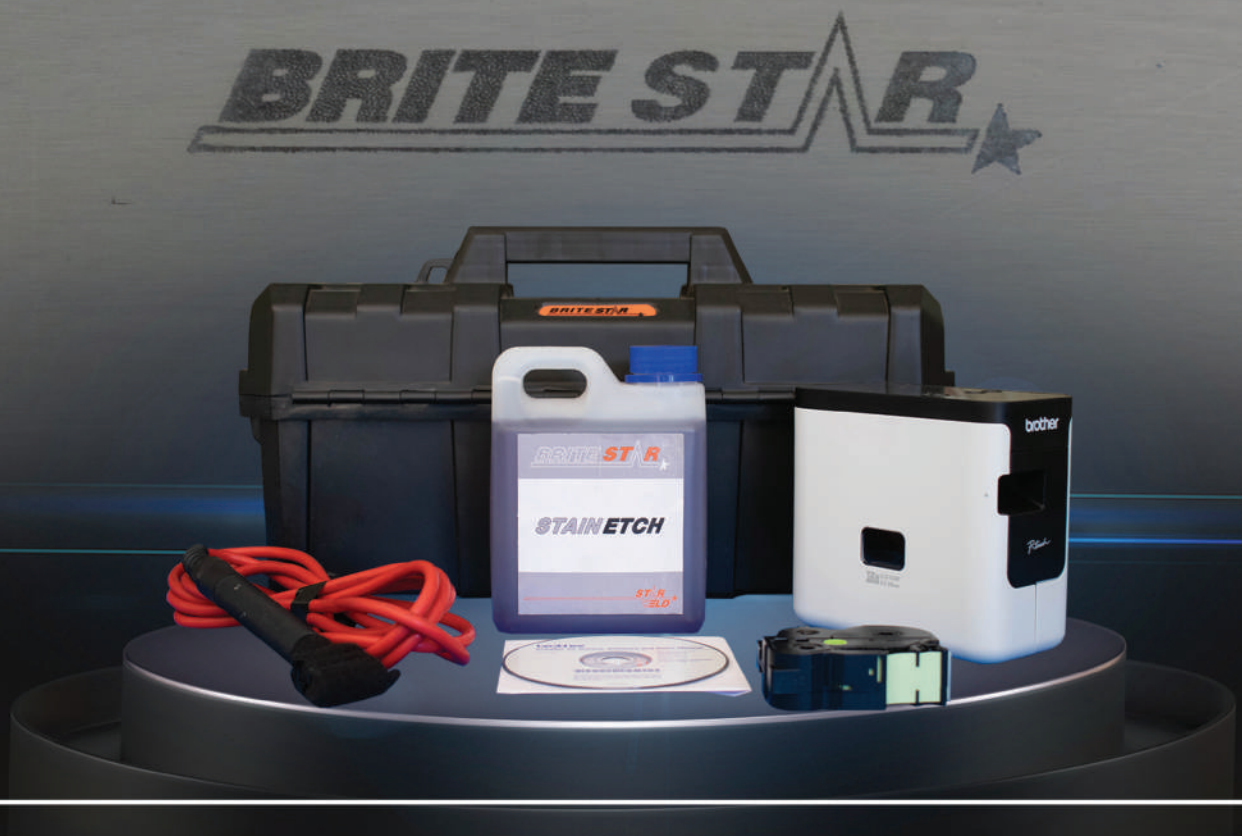
- The BRITESTAR Etching and Marking imaging is achieved by passing a low current through a mild electrolytic fluid. When used in conjunction with a stencil, a clear and permanent image is imprinted on the stainless steel surface.

- MARKING utilizes an AC current, and creates a dark image on the metal surface

- ETCHING utilizes a DC current, and creates a light image on the metal surface

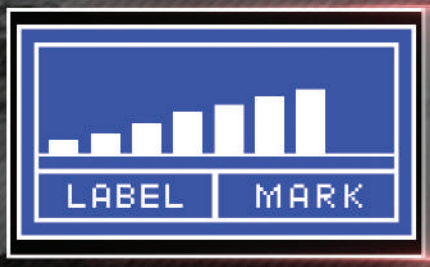
- The BRITESTAR Etching and Marking processes have several advantages over other methods of transferring images onto stainless steel items

- It can be achieved a very low set–up cost
- There is no damage to the material
- The images are clear and permanent, without distortion
- Both methods are extremely safe to perform
- A quick turnaround time is achieved
- The processes are easily repeatable
- The lightweight and portable equipment, is ideal for sight work



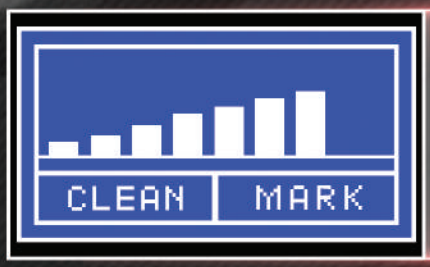
BRITESTAR LABELING

STAINLESS STEEL MARKING & ETCHING REDEFINED



▸ MARKING

An Alternating Current Process (AC) that transfers a black image on the stainless steel.



▸ ETCHING

A Direct Current Process (DC) process whereby a light coloured white image is permanently engraved into the stainless steel, by utilizing the STAINETCH solution

ORDERING INFORMATION

THE BRIGHTSTAR CLEANING KIT

BSCLK

CLEANING SOLUTION

5 LITRE - BSC5L
1 LITRE - BSC5L

NEUTRALISER SOLUTION

5 LITRE - BSN5L
1 LITRE - BSN1L

CLEANING TOOL

BSTBR

OUTER NOZZLE

BSTNZ

REPLACEMENT BRUSH

BSTOR

LABELING KIT

BSLBK

STAIN MARK SOLUTION

BSM1L
BSM1L

STAIN ETCH SOLUTION

BSE5L
BSE1L

REPLACEMENT TAPE

BSPTP

LABELING BLOCK

BSLBL

EARTH CLAMP

BSECL

ORDER YOUR BRITESTAR EQUIPMENT

FROM YOUR LOCAL AGENT

STARWELD ELECTRONICS
222 VAN DYK ROAD
BOKSBURG
1459

TEL. NO. 011 914 4696