

TIG Brush

POWERED BY ENSITECH

Always Leading

"...MY ONLY HESITATION IN WRITING THIS [REVIEW] IS THAT MY COMPETITION MIGHT SEE IT AND BUY ONE."

-DAVID VINE, MANAGING DIRECTOR OF BELL STAINLESS



Standards and Accreditations

ASTM International Standards



Meeting the global standards for passivating stainless steel ASTM A967-05 and B912-02

Quality Assurance



Ensitech is an accredited ISO 9001 company. This is your assurance that what we do is the highest standards.

NSF Certification



All of Ensitech's cleaning chemicals adhere to strict international public health standards.

TIG BRUSH TECHNOLOGY

The TIG Brush™ utilizes a unique combination of electricity, heat and chemistry to deliver superior results in weld cleaning and metal surface finishing. Its proprietary, conductive brush applies a cleaning fluid to the work surface, producing an electro-chemical cleaning action with astoundingly fast and effective results.

Driving the TIG Brush is Ensitech's Dynamic Power Transfer™. This patented technology maximizes the efficiency of energy transfer to the work surface and ensures optimum performance in changing operating conditions. At the same time, Ensitech's low-toxicity fluids are custom-designed to maximise user safety and not damage the environment.

This powerful combination is the result of many years of product development, based on feedback from the industry. Ensitech's research and development division invests continuously in innovation, as well as independent testing and validation of the company's products.

SUPERIOR WELD CLEANING

The TIG Brush delivers effortless, year-round continuous operation and each model is built to meet your needs.

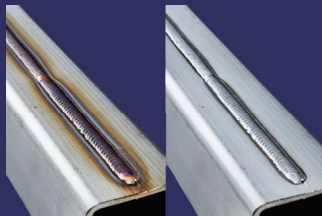
CLEAN FASTER*



Pickling paste vs TIG Brush 700 model

BEFORE

AFTER



REDUCE CORROSION



Corrosion Rate



TIG Brush™ TBE-440

The most affordable machine while delivering the same results

LIGHT APPLICATION

CLEANING, PASSIVATION & POLISHING	✓
100% DUTY CYCLE	✓
IP65 DUST & WATER PROTECTION	✓
CLEAN THICKNESS	Up to 1/4"
WELD CLEANING OPTIONS	TIG WELD
OXIDATION LEVELS	LIGHT
PERFORMANCE	STANDARD



TIG Brush™ TBE-550

The most economical machine for heavier & faster application

MID TO HEAVY APPLICATION

CLEANING, PASSIVATION & POLISHING	✓
100% DUTY CYCLE	✓
IP65 DUST & WATER PROTECTION	✓
CLEAN THICKNESS	Up to 1/2"
WELD CLEANING OPTIONS	TIG, MIG & MAG
OXIDATION LEVELS	MEDIUM
PERFORMANCE	MEDIUM



TIG Brush™ TBE-700

The fastest MIG & TIG electrolytic weld cleaner in the world

HEAVY APPLICATION

CLEANING, PASSIVATION & POLISHING	✓
100% DUTY CYCLE	✓
IP65 DUST & WATER PROTECTION	✓
CLEAN THICKNESS	Up to 1"
WELD CLEANING OPTIONS	TIG, MIG, MAG, STICK & LASER
OXIDATION LEVELS	HEAVY
PERFORMANCE	HEAVY

Choose the model

TIG Brush SELECTOR GUIDE

TIG Brush™
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Choose the Cleaning Tool

Use the table below to decide which TIG Brush model and Cleaning Tool best suits your application.

Classic

The traditional Handle Cable, Wand & Shroud combination is ideal for getting into hard to clean spots or for use with wide brush attachments.



PROPEL

The ergonomically designed PROPEL Torch has a fully adjustable brush tip that concentrates the cleaning power. This improves performance, speed and brush life.



PERFORMANCE GUIDE

Optimum	●
Efficient	○
Occasional	○






TBE-440



TBE-550



TBE-700

WELD TYPE	Classic	PROPEL	Classic	PROPEL	Classic	PROPEL
TIG Weld	●	●	●	●	●	●
Laser Cut	○	○	●	●	●	●
MIG Weld		○	○	●	●	●
MAG Weld			○	●	●	●
Sub Arc			○	○	○	●
Stick Weld				○	○	●
Laser/Gas					○	○
Gasless						○
OXIDATION LEVEL	Classic	PROPEL	Classic	PROPEL	Classic	PROPEL
Light 	●	●	●	●	●	●
Medium 	○	○	○	●	●	●
Heavy 			○	○	○	●
METAL GRADE	Classic	PROPEL	Classic	PROPEL	Classic	PROPEL
SS200, SS304, SS316 and SS400	●	●	●	●	●	●
Duplex			○	○	○	●
Super Duplex					○	●
Mild Steel	○	○	○	●	○	●
OTHER FUNCTIONS	Classic	PROPEL	Classic	PROPEL	Classic	PROPEL
Polishes	○	●	○	●	○	●
Branding (Print/Engrave)	●	●	●	●	●	●
WIDER BRUSH OPTIONS*	Classic	PROPEL	Classic	PROPEL	Classic	PROPEL
Dual Brush - up to 60mm wide			●	●*	●	●*
Quad Brush - up to 100mm wide					●	●*

* Wider Brush options attach to Handle Cable & Wand only.

LEAVE PICKLING PASTE BEHIND



What sets genuine Ensitech fluids apart from other weld cleaning fluids in the market?

PURITY & PERFORMANCE

Ensitech has invested heavily in market-leading research and development to create a complete, premium range of fluids for every aspect of stainless steel surface preparation, weld cleaning and finishing. Ensitech fluids contain only analytical grade chemicals, the highest graded products in terms of purity and lack of contaminants.

LOW TOXICITY

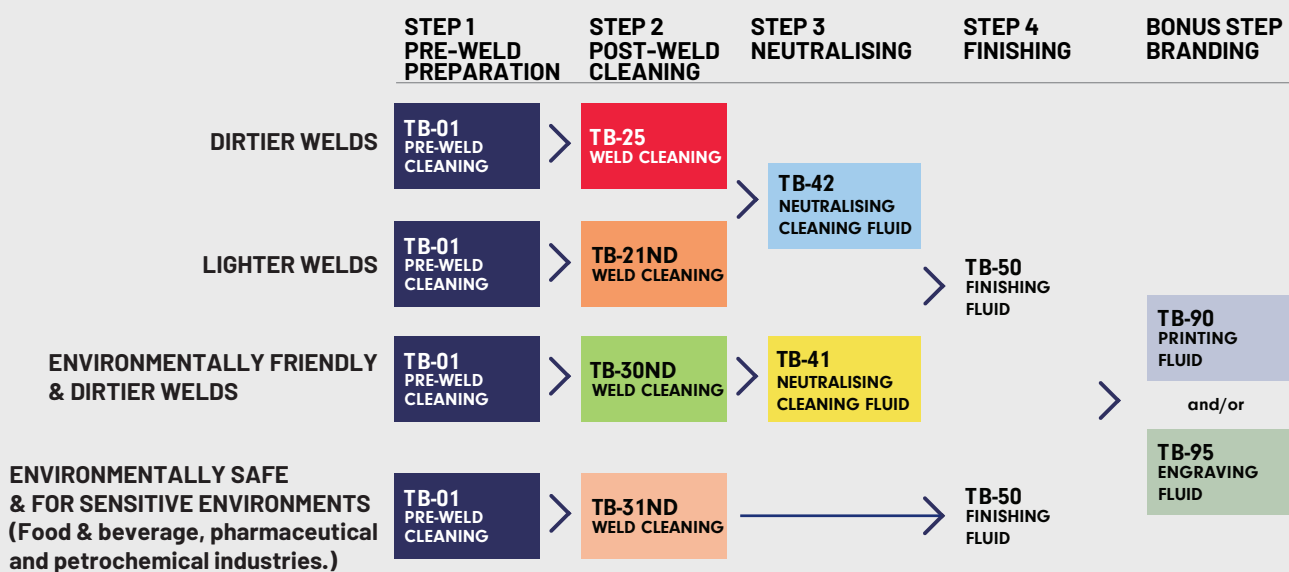
Inferior grade chemicals used by many competitor brands are either imports or material derived from fertilizer plants. Neither of these materials produce the high purity product achieved in our formulas. Genuine Ensitech fluids are premium fluids and offer fabricators high-performance, low-toxicity cleaning solutions with an easy water-based clean-up to protect both the operator and environment.

NSF CERTIFIED

Ensitech fluids are also NSF certified and conform to the requirements of the NSF Non-Food Compounds Registration Programme. The NSF mark is your assurance that Ensitech fluids have been tested and certified by one of the most respected independent certification organizations.



TIG Brush Fluid Selector Guide



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NEUTRALIZE ME!

Don't shortcut your weld cleaning process.
Use TB-42 to prevent white frosting.



PREVENT WHITE FROSTING

PREMIUM FLUIDS

High-performance weld cleaning in 4 easy steps

TB-21

RINSE

TB-42

RINSE



NSF CERTIFIED FLUIDS
are your assurance our fluids have
been tested by an independent
certification organization.



CORROSION PROTECTION



HIGH-SPEED PERFORMANCE

Why Neutralize?

After cleaning the weld with an acid based cleaner (TB-21), acidic residue may stick to the surface. As it dries 'white frosting' can start forming after a few hours or days. It isn't dangerous, but your customers may not be satisfied with the result. Using TB-42 with water rinsing ensures acidic residue is neutralized and removed from the surface.



RECOMMENDED SOP

1 TB-21

Dip the brush into a container of TB-21, saturating the brush. Clean the welded surface as per the TIG Brush instructions, and re-dip to prevent the brush drying out.

2 RINSE

Rinse the surface with clean water to remove TB-21 cleaning fluid.

3 TB-42

Apply TB-42 neutralizer by spraying the area for a few seconds.

4 RINSE

Rinse the area a second time with clean water. Let the work dry naturally, or use a clean cloth or compressed air for larger areas.

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