

tig brush®

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



2023

PRODUCT CATALOGUE

QUALITY FROM START TO FINISH





OUR STORY

In 2004, as an electrical engineer I was approached to help find a solution for a friend who had received a large contract to manufacture a coin chute panel for a fast-food chain. The panel would be strategically positioned just under the drive-through payment window so customers could drop spare coins into it as a charitable donation. Both the coin chute and panel were to be made of stainless steel. However, there was a problem, that being when the stainless steel was welded a black oxide formed over the weld. Not only did this “heat tint” look ugly, it destroyed the ability of the stainless steel to protect itself against corrosion. So, it was important to find a way to remove the heat tint and restore the properties of the metal surface, without damaging the look of the metal.

My friend had tried some traditional methods to remove the unsightly discolouration, but none had proved effective or even safe in removing the heat tint. He refused to use Pickling paste, which is particularly dangerous as it contains hydrofluoric acid. Abrasives caused damage to the surface of the panel, destroying the brushed finish the customer required. An electrolytic weld cleaner was borrowed and tried, but the felt covered electrode was too big to reach the weld around the coin chute.

I started working spare nights and weekends utilising my electronic engineering skills to determine a way to remove the heat tint. Together with my friend and an aeronautical engineer, we developed a conductive high temperature brush, that provided the perfect solution. The conductive brush delivered high current to the metal surface in the presence of a mild electrolytic fluid. In 2006 we formed Ensitech and began to manufacture the TIG Brush Stainless Steel Weld Cleaning System. The invention was a unique fast, safe and effective solution which didn't alter the surface of the stainless steel.

We started to manufacture the TIG Brush on a small scale offering it to welding consumable distributors in Australia and the response was overwhelming. In fact, Ensitech's new method of removing heat tint was so successful the TIG Brush brand became synonymous with stainless steel weld cleaning. The company is now recognized as a global leader in the area of metal surface finishing.

Clive White
CEO & Founder



WARRANTY

tigbrush.com/warranty

ENSITECH MANUFACTURER'S WARRANTY

Ensitech Inc. provides warranty against defects that are a result of faulty manufacturer workmanship or materials. You may claim on this warranty if you notify Ensitech of the defect and if you comply with the other procedures and conditions of this warranty, within:

- in the case of the TIG Brush™ control unit, 24 months or 30 months*; or
- in the case of the Propel Torch, six months; or
- in the case of clamp cables or handle cables, three months, of the date of purchase of the product by you.

The warranty applies to and can be exercised by the original purchaser of the product only. This warranty is not transferrable to any other person or party under any circumstances.

Our goods come with guarantees that cannot be excluded in accordance with the laws of the State of Delaware. You are entitled to a replacement or refund for major failure and for compensation for any reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. For full warranty details consult your User Manual or our website www.tigbrush.com.



*Ensitech offers an extended 6-month warranty on any new TIG Brush control unit that has its warranty information registered online. Your TIG Brush extended warranty is issued on the condition that you complete your online warranty activation within 30 days of purchase, and purchase verification is attached.

BUY FROM AUTHORIZED DISTRIBUTORS

Ensitech complements its high-quality product offering by partnering with exceptional retail partners worldwide. Our extensive distribution channels allow us to service metal fabricators across all corners of the globe and offer products specifically tailored to meet the industry's needs.

You will not find our products distributed through large hardware retailers whose focus is solely on volume. Through our choice of distribution partners, we aim to ensure you are receiving the best advice, and the products that you need. We understand the importance of after sales service and this means not only meeting the needs of our customers for high-quality products, but also partnering with distributors who are able to offer advice and training specific to your application or job.

Certified TIG Brush dealers/distributors are carefully chosen because they demonstrate the same core values as our brand. While we offer three tiers of distribution partners, Elite, Pro and Resellers, Elite dealers/distributors offer the highest level of knowledge combined with high-value service, enabling customers to buy Ensitech products with confidence. Elite dealers/distributors are also active with in-field demonstrations, remain dedicated to keeping stock of consumables on hand and maintain knowledge of the correct training and use of these products.





Why John McKenna chose Tig Brush for his 33-foot Stainless Steel Sculpture.

Faced with having to clean and passivate thousands of spot welds, John chose a weld cleaning machine that was simpler, faster, safer and guaranteed the highest quality of passivation compared to pickling paste.

In 2014, John and A4A were the proud winner of the Port Glasgow Sculpture competition, the criteria of which was to create a lasting tribute to the shipbuilders of Glasgow. Once installed, this enormous sculpture will make a mark on the global art community given the sculpture's impressive size. The original installation had been planned for November 2020 however, due to COVID this has now been set back to begin in the latter part of this year. This magnificent and colossal tribute in recognition of the UK and Glasgow community's shipbuilding history will be positioned close to the water in Bay Park, near Coronation Park in Port Glasgow.

John's challenge

The project has taken approximately 7 years from idea to finish and is the longest & biggest work John has executed. The thousands of pieces of 316L stainless



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McKenna chose to exclusively use the TIG Brush for his weld cleaning needs given the speed, efficiency, and safety of the technology. "As a professional sculptor, artwork fabricated from stainless steel has the potential to last hundreds of years given its durability, but because it is such an industrial process to create, it can be a real challenge to work with," McKenna said.

The result

Prior to using the TIG Brush, John had used pickling paste to clean the stainless steel welds. He emphasizes, "before discovering the TIG Brush, we would clean stainless steel using strong chemicals that were unsafe to breathe or touch, and we knew we needed something better. We were amazed at how easy and safe the TIG Brush was to use and how quickly we could get a clean weld – you put your clamp on, dip the brush in and run it across the weld. Comparing the TIG Brush electrochemical weld cleaning process to the lengthy pickling paste process I have used in the past, it's a no brainer for steel fabricators to use."

Dangers of Pickling Paste

For decades now, fabricators have been following the same outdated and dangerous method for the post-weld treatment of stainless steel. It was painstakingly slow, tedious, and worst of all, dangerous. So, why did everyone use pickling paste? For lack of a better option. But now there are other options that are safer, faster and actually save you money.

So, what's changed? A lot, in fact, but worldwide there are still companies that are relying on dangerous pickling paste to clean their stainless steel welds at the expense of their employee's health and safety.

FIVE REASONS WHY YOUR COMPANY SHOULD STOP USING PICKLING PASTE NOW!

1. Serious safety risks

The two main types of acid used in pickling paste are nitric acid and hydrofluoric acid. Both acids are extremely dangerous to a user's respiratory system, bones, organs, skin, and internal organs.

When you expose yourself to either direct contact with pickling paste or the fumes and vapor, you're potentially exposing your body to both short-term and long-term damage.



2. The process is overly complicated

- It is necessary to wear full safety clothing. This includes appropriate coveralls, gloves, safety glasses, and premium respiratory protection.
- The need to use it in a controlled environment, to prevent leakage into drainage systems or contact with wildlife.
- Components need to be brushed, sprayed or fully submerged in the acid. After a set time the residue then needs to be carefully cleaned away from the finished components.



3. It's expensive and inefficient

Using pickling paste is a time-consuming and complicated process. The more complicated the procedure, the more time-consuming it is and the more money it will cost.

4. Re-passivation isn't guaranteed

Applying pickling paste is not effective at re-passivating the stainless steel surface. Manufacturers often recommend a second application of acid (usually Nitric Acid) to restore the passivation layer, which almost doubles the amount of work required and exposes the worker and environment to dangerous toxic fumes and waste.

5. Legal regulations

OH&S laws are in place to govern how pickling paste is used, where it's used, and the steps you need to follow when using it. Regulations exist to cover handling, storage, application, clean-up, and even waste disposal.



So, what's the alternative to using pickling paste?

The TIG Brush electrochemical weld cleaning process is the solution to outdated and dangerous weld cleaning practices, especially those that involve the use of pickling paste. It is simple, fast, and best of all – safe. Your employees will be able to safely and effectively clean stainless-steel welds, without the need to completely cover up with excessive safety equipment.

If you have been looking for a way to increase productivity, reduce time and costs, and create a healthier and safer environment for your manufacturing or fabrication business, then electrochemical weld cleaning and passivation with the TIG Brush is the solution that you have been looking for.

WELD CLEANING MACHINES

TIG Brush 440	10
TIG Brush 550	12
TIG Brush 700	14

PREMIUM FINISHING FLUIDS

Pre-weld Cleaning	21
Weld Cleaning	21
Neutralizing	22
Finishing	22
Printing & Engraving	22

COMPONENTS & ACCESSORIES

Components	23
Accessories	24

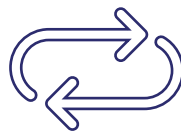
TIG Brush Features and Benefits at a Glance

- Cleans and passivates stainless steel surfaces instantly (TIG, MIG, Laser, Sub Arc & Stick welds)
- Dense carbon fibre brushes
- IP65 rated (dust and showerproof)
- Quick setup and simple controls
- No fan and vents: no risk of dust build-up or damage to the internal electronics
- Durable high current industry standard 16mm² cables
- Wide brush options for larger cleaning surfaces
- Designed for portability
- NSF approved fluids for electrolytic cleaning, neutralizing, and finishing
- Branding capability: print or engrave logos and other marks onto stainless steel



PATENTED DYNAMIC POWER TRANSFER

The TIG Brush uses a conductive brush, which has a very low resistance. This means you don't need much voltage (pressure) at all to push current through it. In fact, it is hard to LIMIT the amount of current so that the brush doesn't run too hot. Also, as the brush wears down, its resistance gets lower and lower. Therefore, to provide a consistent and reliable user experience, the TIG Brush has been designed with a VARIABLE power supply driven by the patented Dynamic Power Transfer.



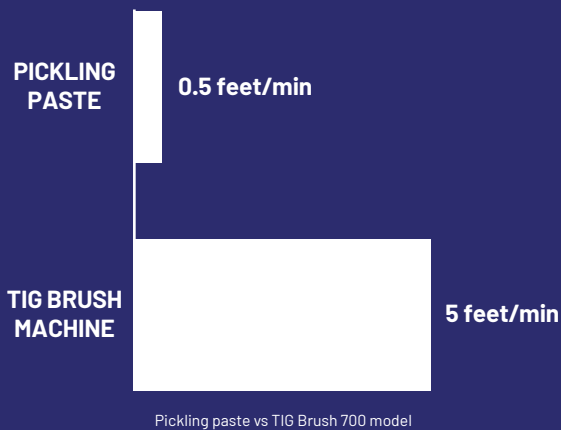
100% DUTY CYCLE

One method used by manufacturers to reduce the cost of a machine is to use cheaper components that will not work continually. To stop the machine from overheating and potentially self-destructing, the manufacturer will quote a "duty cycle". The duty cycle is a measure of the fraction of time that a machine can be used before it needs to be switched off. Unlike most competitor machines, the TIG Brush weld cleaning machine operates at 100% duty cycle. This means that no matter how hard or how long a TIG Brush is used for, it never has to be turned off to "rest", it just keeps on going.

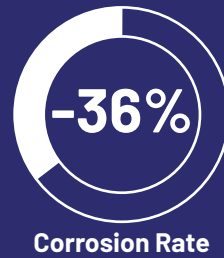
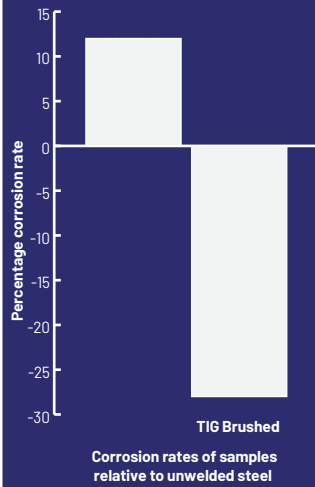
NEVER WAIT AGAIN.

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

CLEAN FASTER



REDUCE CORROSION



INSTANT RESULTS



FASTER PERFORMANCE



CONSISTENT POWER



SAFER OPERATION

vs. Pickling paste on 1 meter weld.

CLEAN 10X FASTER.*



BEFORE



AFTER

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.

440 SERIES

"WE WERE SOLD AS SOON AS WE SAW THE TIG BRUSH CLEAN UP OUR WORST WELDS IN SECONDS."

-TODD CULL, GM OF DIAMOND MANUFACTURING



TIG Brush 440

The most affordable machine while delivering the same results

DYNAMIC POWER SELECTION

DYNAMIC MODE CONTROL

FASTEST IN ITS CLASS

The TBE-440 utilizes the latest technology to deliver superior weld cleaning and passivating results for light to mid applications, making it the most economical weld cleaning machine in its class. The quality and reliability of the TIG Brush is renowned in the industry worldwide for delivering superior weld cleaning results consistently. When used with Ensitech genuine fluids you can be certain the TBE-440 will achieve the industry's highest level of passivation in a fast but safe way. Ensitech's patented Dynamic Power Transfer and 100% duty cycle unique to all TIG Brush models, make the TBE-440 the ideal electrolytic weld cleaner for those who need an economical machine for use on light gauge stainless steel.



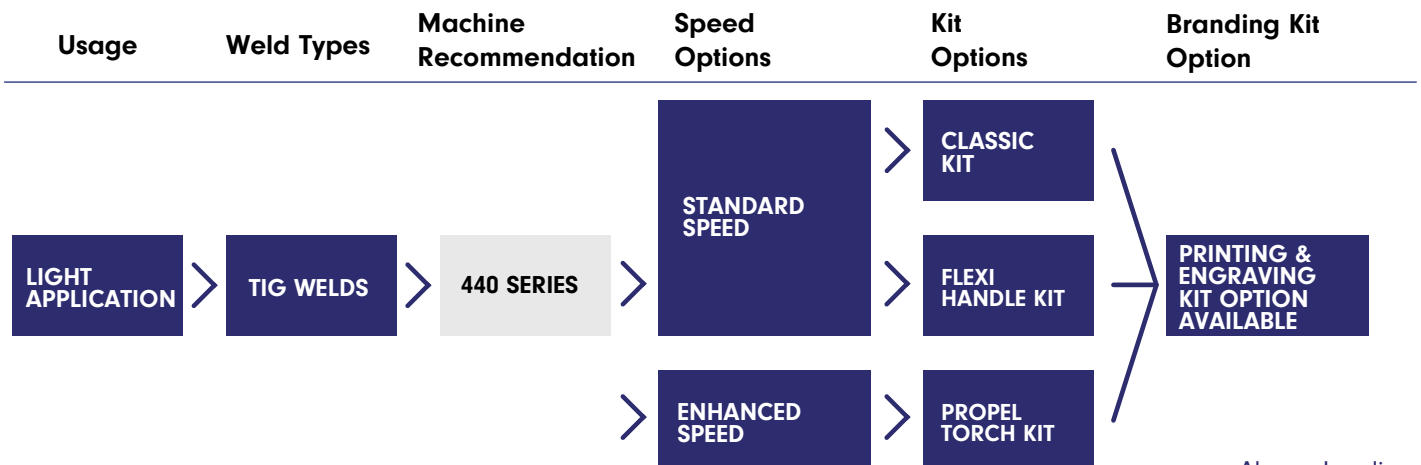
*Kit contents may vary dependent on region and Kit option.

LIGHT APPLICATION

TBE-440

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

MACHINE SELECTOR GUIDE



550 SERIES

"TIG BRUSH MACHINE IS ABOUT 3 TIMES FASTER THAN THE MACHINE WE WERE USING..."

-DAN JAMES, KEY TECHNOLOGIES



TIG Brush 550

The most economical machine for heavier & faster application

DYNAMIC POWER SELECTION

DYNAMIC MODE CONTROL

OPTIMIZED FOR PROPEL TORCH

The TBE-550 delivers superior weld cleaning and passivating results for mid to heavy applications. The quality and reliability of the TBE-550 is renowned in the industry worldwide and when used with Ensitech genuine fluids you can be certain you are achieving the industry's highest level of passivation in a fast but safe way. Ensitech's patented Dynamic Power Transfer and 100% duty cycle unique to all TIG Brush models make the TBE-550 the ideal electrolytic weld cleaner for those who need an all-round machine that has the capability and power to consistently perform on higher gauge stainless and dirtier welds when needed.



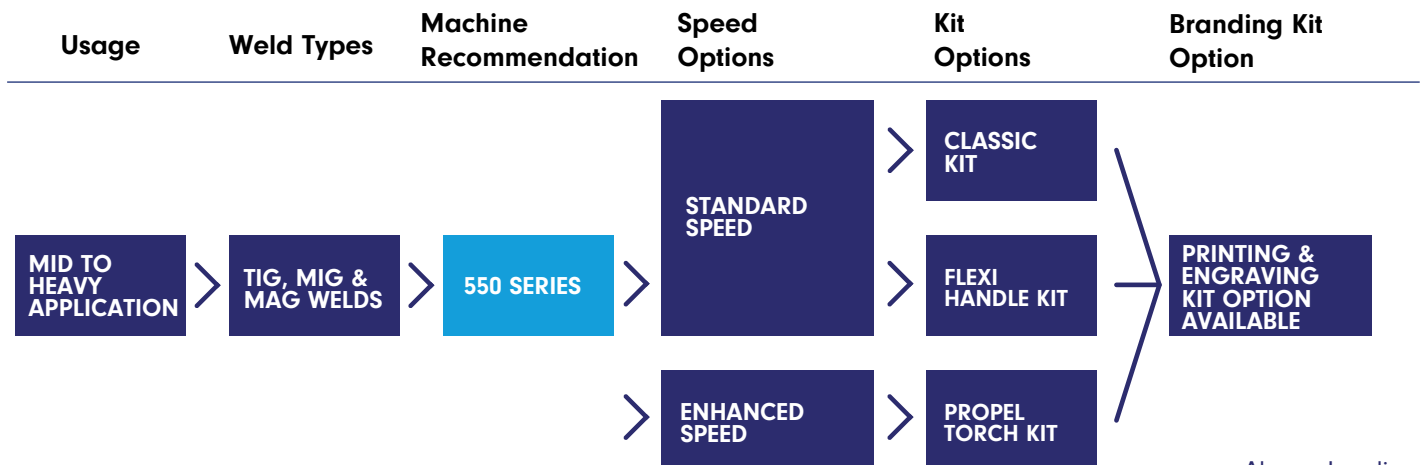
*Kit contents may vary dependent on region and Kit option.

MID TO HEAVY APPLICATION

TBE-550

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

MACHINE SELECTOR GUIDE



700 SERIES

"BY FAR THE BEST PURCHASE WE HAVE MADE IN A VERY LONG TIME ...TO BE HONEST MY ONLY HESITATION IN WRITING THIS IS THAT MY COMPETITION MIGHT SEE IT AND BUY ONE"

-DAVID VINE, MANAGING DIRECTOR OF BELL STAINLESS



TIG Brush 700

The fastest MIG & TIG electrolytic weld cleaner in the world

DYNAMIC POWER SELECTION

DYNAMIC MODE CONTROL

HIGHEST POWER ON THE MARKET

The TBE-700 is recognized as the fastest, most powerful electrochemical weld cleaner of its type in the industry. It's unique patented Dynamic Power Transfer and 100% duty cycle means the 700 will deliver a competition ending 110amps evenly distributed power consistently, offering a speed for MIG & TIG weld cleaning and passivation that is at least twice the speed of the nearest alternative. When used with Ensitech genuine fluids, you can be certain you are cleaning and passivating your welds with the fastest, safest, most reliable, and effective weld cleaning system available today.

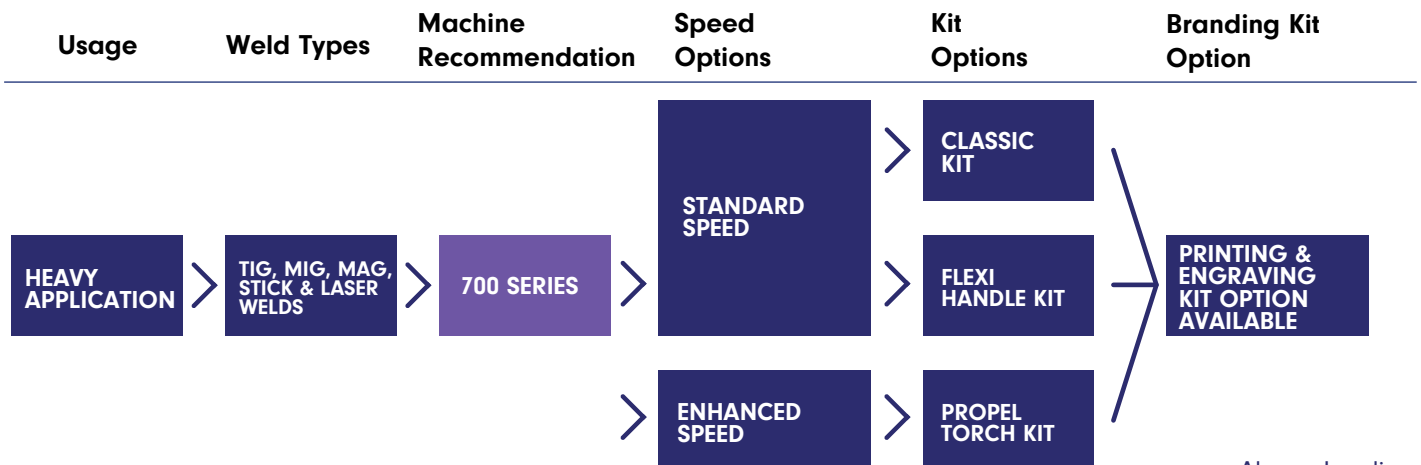


HEAVY APPLICATION

TBE-700

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	HIGH

MACHINE SELECTOR GUIDE



TIG Brush™

POWERED BY ENSITECH

Always Leading

Branding Kit

POWERED BY TIG BRUSH
Stainless Steel

Beautifully Branded on Stainless Steel

The TIG Brush Branding Kit allows you to permanently
print or engrave on stainless steel with your logo,
company name, part numbers and more.

Print

Engrave



Why not show the world who you are!

The TIG Brush can also be used together with the Branding Kit to print & engrave on stainless steel products with identifying marks such as logos, part numbers and barcodes. The Branding Kit has many possible applications including product branding, asset identification, assisting with parts ordering, and recording of maintenance work. Using a special branding head (a solid electrode in place of a brush), combined with a felt pad and Ensitech Printing Fluid (TB-90) or Engraving Fluid (TB-95) permanent branding of stainless steel becomes fast and easy.



TIG BRUSH BRANDING KIT



Replacement parts for the TIG Brush Branding Kit to keep your permanent branding of stainless steel underway. Branding stencils can be custom made to suit your requirements. Please Note: there are two types of Branding Head Adaptor, one for use with the Handle Cable and one for use with the PROPEL Torch. If you are not sure which adaptor you need, or you would like more information on ordering custom stencils, contact your dealer/distributor or our friendly customer service team.

BRANDING HEAD & ADAPTOR



"O" RINGS



FELT ROLL



BRANDING STENCILS



Personalize your stainless steel printing or engraving through our customizable stencils. Our multi-use stencils are hand made using ultra-tight weave polyester that has been repeatedly tested to be the most durable material for metal printing and engraving applications. Custom-made in high resolution to your specifications ensure your logo, part no. or any other customization is printed/engraved clearly. Each Branding Kit includes a sample multi-use stencil so you can practice your craft before ordering your own custom made stencil.

Single use stencils and stencil printers are also available. This application is the ideal solution if you want to print or engrave variable texts, numbers or symbols. For more information on custom or single use stencils please contact your distributor/dealer or Ensitech.

TIG Brush Kits

High-performance cleaning tool range to suit various applications



PROPEL KIT

Using your TIG Brush with a PROPEL Torch combines the patented Dynamic Power Transfer with the added concentration of power and speed. The PROPEL Torch gives you precision control over the length of your brush, a more powerful point of contact with the work surface and its ergonomic design increases the comfort of use. The PROPEL Torch is also able to be used for Branding*, simply by removing the PROPEL Torch brush and replacing this with the PROPEL Torch Branding Head Adaptor.



FLEXI HANDLE KIT

The Flexi Handle Kit combines the patented Dynamic Power Transfer with the 360-degree flexible head, unique to the Flexi Handle. The Flexi Handle's malleable head can be positioned to suit operator and/ or work piece. So, whether you're cleaning and passivating in, or around tight pipe angles or branches, or need to clean up inaccessible welds on-site, the bendable head allows you to adapt to tight and difficult to reach locations.



CLASSIC WAND KIT

The Classic Kit includes all the essentials you need to start cleaning welds using the Classic Wand and Shroud application tool and the patented Dynamic Power Transfer and 100% duty cycle is unique to all TIG Brush models. The classic wand application tool gives you the flexibility to extend your weld cleaning reach as it compatible with the dual and quad brush adaptors and shrouds. The Classic Wand Kit is also compatible for Branding*, simply remove the Classic Wand from the Red Handle and replace this with the Branding Head Adaptor.

*Branding Kits sold separately

THE ROLLING STORAGE CASE

This wheel-equipped, heavy duty tool case, made from rugged and scratch resistant polypropylene, is watertight, dust-proof and crush-proof.

The tool case is equipped with a solid carry handle, 2 roller wheels and an extendable handle for easy portability during travels. The case can be firmly clamped shut with heavy duty clasps on the sides of the case. Its attractive black finish makes it durable for years of use. It is lockable for use with 2 padlocks for maximum security (Locks not included).

All in all, it's the perfect solution for safely and securely storing your TIG Brush while also providing protection and ease of mobility when working onsite.



Specifications

- | | |
|----------------------------------|---|
| • Outer size: | 560 x 450 x 270 mm |
| • Inner size: | 517 x 392 x 229 mm |
| • Exterior material: | Polypropylene + ABS |
| • Interior foam material: | Polyurethane |
| • Handle: | A handle + an adjustable telescopic handle for carrying |
| • Weight: | 9kg |
| • Colour: | Black |

Premium Range of Fluids



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. In addition to this, Ensitech fluids are 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 organization.

PRE-WELD CLEANING

Removal of contaminants prior to welding is a sensible strategy to ensure firstly that the best weld quality is obtained and then a quick and effective clean and passivation is achieved with the TIG Brush weld cleaning process.



TB-01 PRE-WELD CLEANING FLUID

Developed to remove residues such as light oils and greases on stainless steel surfaces. If contaminants are not removed, they can be included in the weld, leading to unsightly and difficult to remove inclusions in the weld. Using TB-01 first to remove these contaminants will ensure a cleaner weld and provide more effective post weld cleaning and passivation. NSF Registration number: 150959 NSF Category Code: A1

CHOOSING THE APPROPRIATE CLEANING FLUID

With a choice of four innovative cleaning fluids from chemically stringent to high-powered, genuine TIG Brush stainless steel cleaning fluids simultaneously clean and passivate with proven results.



TB-21ND WELD CLEANING FLUID

A light-duty, high performance fluid, which cleans, polishes and passivates stainless steel without the corrosive classification given to TB-25. Its Non-Dangerous rating makes it slightly easier to handle and economical on freight costs. For best results, neutralize with TB-42 after cleaning. NSF Registration Number: 150090 NSF Category Code: A3



TB-25 WELD CLEANING FLUID

This high-powered premium stainless steel weld cleaning fluid is the strongest, fastest cleaning fluid in the range. With the highest quality components at high concentrations, TB-25 gives the user unequalled performance in cleaning, polishing and passivating on the harshest stainless steel welds. For best results, neutralise with TB-42 after cleaning. NSF Registration Number: 150001 NS



TB-30ND WELD CLEANING FLUID

A biodegradable stainless steel weld-cleaning fluid developed for use in facilities where corrosive chemicals are not permitted. Environmentally friendly, it cleans as effectively as TB-25, but does not polish. For best results, neutralize with TB-41 after cleaning. NSF Registration Number: 150056 NSF Category Code A3



TB-31ND WELD CLEANING FLUID

When you have a need for added safety, this custom designed and patented fluid is pH neutral, fast-acting and needs no separate neutralization process. It cleans and passivates without polishing, leaves no white frosting and does not alter high-polish stainless. It is especially suited to the needs of sensitive environments such as food and beverage, pharmaceutical and petrochemical industries. Environmentally safe TB-31ND allows maximum safety in use, handling, storage and transport. NSF Registration Number: 150057 NSF Category Code A1

NEUTRALIZING THE SURFACE

Before using any of the TIG Brush neutralizing fluids, rinse off the cleaning fluid thoroughly with clean water. Then apply the appropriate neutralizing fluid to remove any of the residual acidity. If your work has tendency to form a white "frosting" on the metal surface, the TIG Brush neutralizing products reduce this. As the white frosting can occur after many days, it is important to use your neutralizing fluid as soon as possible after cleaning.



TB-42 NEUTRALIZING FLUID FOR TB-21ND AND TB-25

A non-dangerous (non-flammable, non-corrosive) formulation specifically developed for neutralization of TB-21ND and TB-25 without the development of any toxic or corrosive products. TB-42 neutralizing fluid is an important preventative step in the complete removal of any acidic chemicals on the work surface. NSF Registration Number: 151122 NSF Category Code P1



TB-41 NEUTRALIZING FLUID FOR TB-30ND

Also a non-dangerous (non-flammable, non-corrosive) formulation, developed for neutralizing TB-30ND, TB-41 contains a range of fast acting, effective components that neutralize any residual acidic components within seconds. TB-41 contains unique components that remove the complex chemistry of TB-30ND. NSF Registration Number: 150174 NSF Category Code P1

FINISHING

Application of a finishing fluid will increase surface reflectability and prevent your perfect finished surfaces from marking through handling.



TB-50 FINISHING FLUID

Cleans, brightens but also resists handling marks by leaving a molecular level layer on the surface of the stainless steel. Wipe or spray the cooled finished surface with TB-50, rinse down with water then buff with a microfiber cloth to achieve a brilliant shine and fingerprint resistance. NSF Registration Number: 150074 NSF Category Code: A1

PRINTING & ENGRAVING

Be proud of your work. Ensitech's marking fluid can be used to permanently mark stainless steel with branding, logos, part numbers, barcodes etc. Ask for details of our Marking Kits and custom stencils.



TB-90 PRINTING FLUID FOR STAINLESS STEEL

Used with your TIG Brush with a specially engineered conductive head and stencils, TB-90 creates permanent sharp and dark lettering, logos, or any other design on your stainless steel. The process is user friendly, safe and fast with outstanding results within seconds. NSF Registration Number: 150170 NSF Category Code: P1



TB-95 ENGRAVING FLUID FOR STAINLESS STEEL

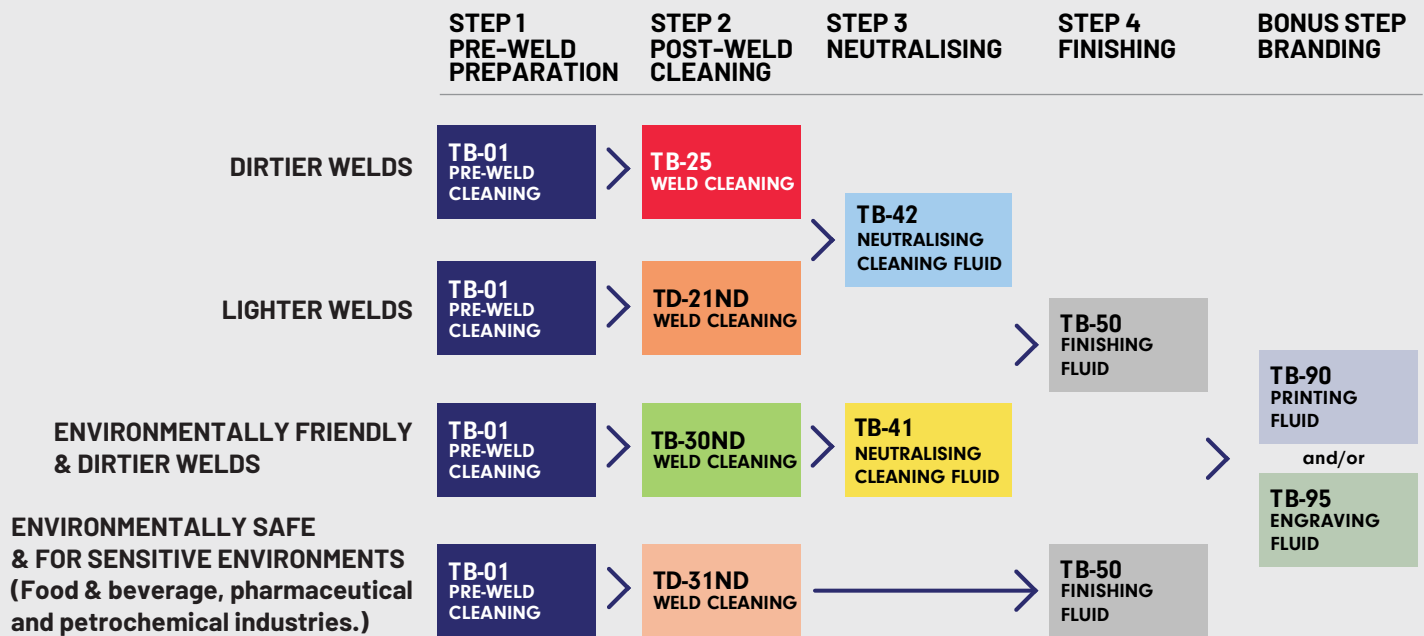
Used with your TIG Brush, a specially engineered conductive head and heat resistant stencils, TB-95 creates a sharp, clear etch for lettering, logos, or any other design on your stainless steel. The process is unequalled in speed, ease and permanency in adding an etch to stainless steel. NSF Registration Number: 151123 NSF Category Code: P1



SAMPLE PACK

Don't take our word for it. Sample packs are the perfect way to try our full range of award-winning fluids to ensure fluid choice will give you the performance you need.

TIG Brush Fluid Selector Guide



TIG Brush Components & Accessories



TIG Brush components and accessories are designed and manufactured to Ensitech's specifications to ensure complete compatibility with the TIG Brush system. For maximum safety and performance, and to maximize the value of your investment in TIG Brush technology, use only genuine Ensitech accessories and consumables.

Legend shows which accessories are compatible with kits, models or application tools.

Legend

440 - 440 Model	700 - 700 Model	F - Flexi Handle Kit
550 - 550 Model	P - PROPEL Kit	C - Classic Wand Kit



TIG BRUSH TIPS

440 550 700 F C



PROPEL TORCH BRUSH TIPS

440 550 700 P



DUAL BRUSH ADAPTOR & SHROUD

550 700 C

Ensitech brush tips are manufactured in Australia from premium quality materials to ensure the best performance from the TIG Brush. Brush tips are available in packs of 10.

Ensitech's PROPEL Torch brushes are manufactured in Australia with premium quality materials to ensure the best performance with your PROPEL Torch. PROPEL Torch brush tips are available in packs of ten.

Clean larger TIG welds and surfaces more quickly using a dual brush. The dual brush adaptor & shroud accepts two standard size brush tips to form a brush twice the size for greater coverage.



QUAD BRUSH ADAPTOR & SHROUD

700 C

The quad brush adaptor & shroud is designed for cleaning the largest welds and surface areas, as well as heavier-duty applications such as cleaning MIG, which require more heat and current delivered to the work surface. The quad brush adapter & shroud accepts four standard size brush tips.



INSULATING SHROUDS

440 550 700 F C

It is important to use an insulating shroud on your brush for safety and to prevent damage to the equipment. Replacement shrouds are available for single brush tips (standard with all TIG Brush Units), dual brush adapters and quad brush adapters.



CLASSIC WAND ASSEMBLY

440 550 700 C

Stainless steel wand with heat resistant insulating sleeve in 2 sizes: standard 50mm (2") and optional 100mm (4"). Classic wands screw into the red handle cable.



TORCH SHROUD

PROPEL Torch replacement PTFE shroud.



COLLET ASSEMBLY

PROPEL Torch replacement Collet Assembly.



FLUID JAR & SPRAY BOTTLE

Fluid jar for use with Weld Cleaning and/or Branding fluids. Spray bottle for use with Neutralising fluids and Finishing fluid. Available individually or together as a pack.



EXTENSION CABLES

440 550 700 P F C

Extension cables are available to increase reach to 6M (20'), 12M (40') and 18M (60') making it easy to use the TIG Brush for less-accessible work. Available individually (red or black cables) or as a pair. Check the maximum length compatible with your TIG Brush.



GROUND CLAMP CABLE

The 4M (13') Ground Clamp Cable is a standard inclusion in all kit options. Replacements are available in 4M (13') and 6M (20') standard lengths or different cable lengths can be customised at point of order.



FLEXI WAND

440 550 700 C

The Flexi Wand has a bendable head making it easy to adapt your brush to tight and difficult to reach locations. Screw onto the Red Handle to convert it into a flexi-handle.



FLEXI HANDLE WITH RED LEAD

The Flexi Handle's malleable head can be positioned to suit operator and/ or work piece. So, whether you're cleaning and passivating in, or around tight pipe angles or branches, or need to clean up inaccessible welds on-site, the bendable head allows you to adapt to tight and difficult to reach locations.



HANDLE CABLE

The 4M (13') Handle Cable is a standard inclusion in Classic Kits however, Handle Cables are compatible with all TIG Brush models and can be purchased separately to enable use of accessories not compatible with the PROPEL Torch or Flexi Handle. Handle Cables are available in 4M (13') and 6M (20') standard lengths or different cable lengths can be customised at point of order.



PROPEL TORCH

The PROPEL Torch radically improves the application process of the TIG Brush. It gives you precision control over the length of your brush, a more powerful point of contact with the work surface and its ergonomic design increases the comfort of use.

Featured Industries

THE TIG Brush's breakthrough electrochemical cleaning process has finally enabled manufacturers to eliminate the use of pickling paste & less efficient weld-cleaning methods and is being rapidly adopted as the preferred stainless steel weld-cleaning technology of quality and safety conscious companies and industries across the globe.



Metal Fabrication

Metal fabricators and maintenance operators trust the TIG Brush for its reliable, high-quality results, coupled with speed and ease of use. The TIG Brush pays for itself over and over again through increased productivity and cost savings by reducing PPE requirements and OHS costs. At the same time, it enhances safety for operators and the environment, reducing the risks and costs of workplace injuries.



Food & Beverage

Food-safety applications such as equipment for food & beverage manufacturing, dairy, wine making, brewing, as well as food preparation and service equipment, all demand the highest possible standards in surface hygiene and protection. These industries have been among the most enthusiastic adopters of TIG Brush technology, and their specific requirements and feedback have led to the expansion of Ensitech's range of products suited to their needs.



Oil & Gas

The oil & gas industry and fuel transport industry face unique challenges in meeting the stringent safety and environmental standards associated with the handling and transportation of fuel products. Where weld integrity, surface integrity and the avoidance of potentially hazardous contaminants is vital, the TIG Brush is the perfect machine for the industry.



Building & Construction

Aesthetics and structural integrity are important in architecture. Welds and metal surfaces used in these applications, especially in corrosive environments such as coastal locations, must be properly passivated and protected to ensure that they will withstand exposure to weather and environmental conditions, maintain their appearance, maximize asset life and lengthen maintenance cycles. Testing and comparison of welds and surfaces installed in coastal and other corrosive environments have demonstrated the superior performance of those cleaned by the TIG Brush.



Marine

Few environments expose metal more directly to salt corrosion than marine installations. With its portable design, safety features and unparalleled ease of use, the TIG Brush is ideally suited to the cleaning and maintenance of the wide range of stainless steel and brass work found on boats and marinas.



Further Resources

Safety Data
Sheets (SDS)

Product Literature
(Instruction Manual,
Quick Start Guides etc.)



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www.tigbrush.com