BRAND SAFWAY

Stud Welding

BrandTech® Precision Welding

Brand Energy & Infrastructure Services (BRAND®) delivers an advanced computer-aided stud welding solution engineered to meet the most demanding standards of modern refineries and industrial facilities.

While stud welding has existed for decades, its true potential has only recently gained traction across key industries. Today, many refineries insist on computer-aided drawn arc welding as their standard, and BRAND leads the way with a process that delivers unmatched speed, accuracy, and efficiency.

With up to 10 times the speed of traditional methods and a +/-1% failure rate, our system redefines what's possible in anchor welding.

Our BrandTech® innovation allows for minimal heat transfer, reduced manpower needs, and compatibility with a wide range of metals including exotic alloys - without preheating. Welding can be performed up to 60 metres from the welding unit and requires up to 200% less current than alternatives, translating into substantial savings on equipment, labor, and energy.

Stud Welding Service Offerings

› Installation of refractory anchors on-site or in-shop
› Labor, welding equipment and refractory anchors
› Technical support
› Rental of equipment and technicians
› Specialty design and manufacturing
› Computerized stud welding technology

more safety
more productivity

BRAND
ENERGY & INFRASTRUCTURE SERVICES®

BRAND SAFWAY

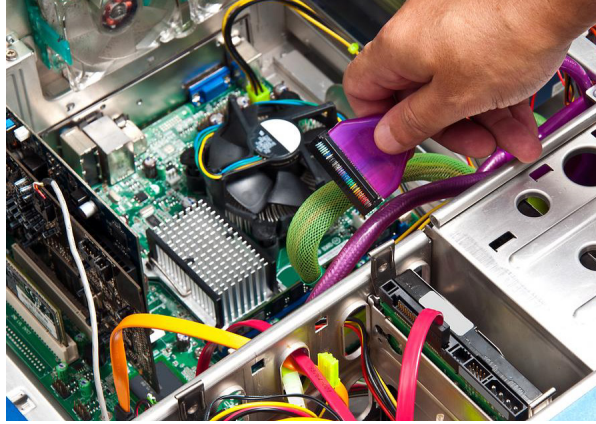
Stud Welding Services

The BRAND® advantage
BRAND focuses on advanced techniques and innovative technology to enhance the quality, efficiency, and safety of welding operations.

Designed and manufactured in the USA, BRAND's stud welding system is backed by technical support and a workforce trained through in-house certification programs.

With over 6 million successful welds to our name, we offer industrial customers a proven, environmentally friendly solution that delivers results - fast.

BRAND offers the following expert stud welding services:



Power Distribution Unit (PDU)
Reduce complexity and increase savings with the PDU - equipment costs are reduced by as much as 40%. Plus the new design has eliminated obsolete components for simplified installation and maintenance as well as improved safety.

Quik-X™ and Quik-X PRO™ Refractory Anchoring Systems
Designed with versatility, productivity and durability in mind, both BrandTech® anchoring systems improve safety, speed, strength and accuracy of your refractory work, and are the best anchoring systems on the market today.

Precision Layout
With BrandTech® Precision Layout, simply locate just two reference points and start welding. Easily make adjustments by moving the device nearer or farther from the surface. Gun mount or static mount options offer flexibility and convenience.

Common uses of stud welding:

Construction and Building
Stud welding is used to attach steel studs, anchor bolts, and shear connectors in buildings and bridges, forming a strong connection between structural steel and concrete.

Shipbuilding
To attach insulation, cable hangers, and deck equipment to the ship's structure. This method is preferred for its durability and resistance to corrosion. Stud welding securely fastens insulation in shiphulls, engine rooms, and piping systems, ensuring strong connections that endure harsh marine conditions.

Insulation
Stud welding attaches insulation pins to metal surfaces like walls and pipes, creating a secure base for insulation material and ensuring its stability over time.

Thermal and Acoustic Insulation
Stud welding is widely applied in HVAC systems to install insulation in air ducts and piping. Stud welding helps in mounting insulation, sheet metal ducts, and other components in HVAC systems, providing strong and precise welds that improve the systems durability and reliability.

Vessels and Tanks
Stud welding helps attach insulation layers securely, preventing heat loss and maintaining product integrity inside tanks

Cryogenic and Cold Storage
Stud welding is used for cryogenic insulation in storage tanks for liquid gases and cold storage facilities, effectively holding materials that prevent temperature fluctuations

Industrial Furnaces and Boilers
In high-temperature environments like furnaces, kilns, and boilers, stud welding is used to attach refractory materials. The welded studs hold insulating materials that protect equipment from extreme heat, ensuring safer and more efficient operation.

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Why BrandSafway?

Unique combination of expertise & resources

We are part of **BrandSafway**, a leading global provider of access, specialised services and forming & shoring solutions to the industrial, commercial and infrastructure end markets. With more than 340 branches all over the world, we provide support for ongoing maintenance as well as for refurbishment needs and new construction plans.

As one strong team, we support our customers:

- **Brand Energy & Infrastructure Services** is one of the world's largest industrial services specialists;
- **Brand Access Solutions** is the UK's largest full-service provider of scaffolding and access systems;
- **Hünnebeck** stands for safe and highly efficient formwork, scaffolding and safety technology.

› best in class safety performance

› specialty team of ~40,000 People

› 30,000+ customers ... and growing

› ~340 locations in 25 Countries

› revenues of nearly ~$5b

› assets & equipment worth ~$4.2b

BRAND ENERGY & INFRASTRUCTURE SERVICES

HÜNNEBECK FORMWORK SOLUTIONS BY BRAND SAFWAY

BRAND ACCESS SOLUTIONS BY BRAND SAFWAY

SGB BY BRAND SAFWAY

Aluma Systems BY BRAND SAFWAY

BRAND SAFWAY

What makes BrandTech® stand out:

› Unmatched Productivity
Up to 10x faster anchor installation than traditional methods

› Field-Proven Reliability
<0.5% failure rate across millions of welds

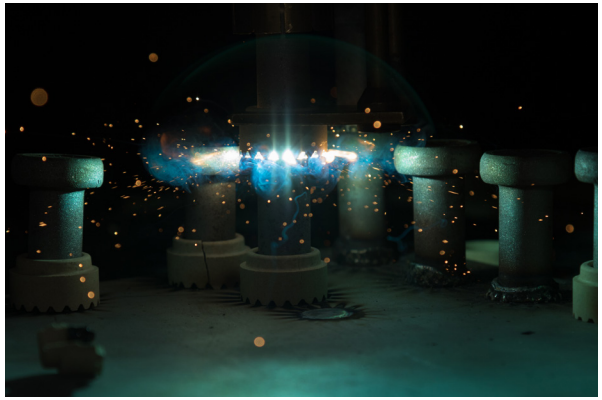
› Smart Welding Technology
Fully computerized, CNC-controlled precision with minimal operator training required, which increases productivity, safety, and reliability.

› Common & Exotic Alloys
Easily handles dissimilar and high-performance metals (90+ PQR/WPS)

› Strategic footprint for rapid deployment across the U.S., Canada, South America, Europe, and the Middle East

› Certified & Secure
UL, CSA, CE, and UL 2900 Cybersecurity-certified systems

› Technical Depth
Our in-house SMEs, R&D team, and certified technicians bring years of practical experience and innovation to every job.



Delivering more value while reducing time and cost
Increased speed can mean reduced quality and safety, but not with BrandTech®. Our precision welder gives operators total control of welding variables, allowing them to weld onto existing thin plates and the ability to reach into tight and congested areas without damaging existing structures.

Example

Average welds per project: 20,000

Number of shifts needed:
2 conventional stick welders - **40**
2 BrandTech® Precision Welding operators - **8**

Contact

Belgium
Mannheimweg 1, Haven 242,
2030 Antwerpen
T +32 (0)3 770 89 91
E be@beis.com
www.beis.com/be

France
256 Allée de Fétan, 01600
TREVOUX
T +33 (0)4 74 08 90 50
E accueil@brandfrance.fr
www.brandfrance.fr

Germany
Rehhecke 80
40885 Ratingen
T +49 (0)21 02 937 0
E info_de@beis.com
www.beis.com/de

India
1st Floor, Western Aqua,
Plot Nos - 1,2,3 and 4/Part,
Survey No 8, Whitefield,
Kondapur, Hyderabad 500 084
Telangana
T +91 (0)40 45627988
E in@sgbgroup.com
www.brandsafway-india.in

Netherlands
Rivium Quadrant 209,
2909 LC
Capelle aan den Ijssel
T +31 (0)10 44 55 444
E nl@beis.com
www.beis.com/nl

Saudi Arabia
PO Box 4296, Dammam, 31952
T +966 (0)1 26917690
E SA@brandsafway.com
www.sgbgroup.com

Romania
Căpuşu Mare, nr. 310
407145 județul Cluj
T +40 (0) 264 504 270
E info_ro@huennebeck.com
www.beis.com/ro

United Arab Emirates
37656 Dubai, Techno Park
T +971 (0)4 8132000
E AE@brandsafway.com
www.sgbgroup.com

United Kingdom
Suite 1, Ground Floor, Origin 3,
Genesis Office Park, Europarc
Grimsby, DN37 9TZ
T +44 (0)844 335 8860
E ukinfo@beis.com
www.beis.com/uk

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