PIN BRAZING MACHINE

CELEBRATED ENTERPRISE IN CATHODIC PROTECTION

JENNINGS ANODES

PIN BRAZING MACHINE

DATA SHEET

Pin Brazing, widely utilized across industries for cable connections, is particularly advantageous in the cathodic protection sector for linking cables to pipelines, ships, rebar, and more. Our pin brazing machine leverages advanced inverter technology paired with robust battery energy storage, enabling its deployment in remote, power-absent environments such as railway maintenance, pipeline cathodic protection, and bridge power line maintenance.

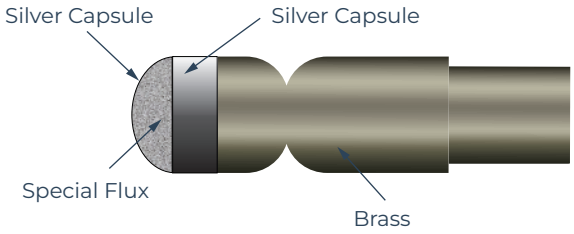
This portable and versatile machine can weld 200-500 nails per full charge and excels in creating secure connections to steel structures without melting the base material. It is particularly effective in continuity bonding between pipes and across flanges, as well as in connecting cathodic protection test and current-carrying cables, and bracelet galvanic anodes.

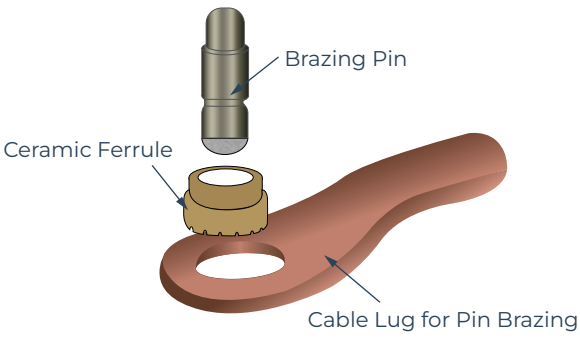
FEATURES

- **High-speed connectivity:** The process requires just one minute for 1 connection.
- **Does not affect internal coatings.**
- **Safe for the material:** Does not melt the work material.
- **All-weather capability:** Can be performed in any weather, including rain and snow, ensuring no delays due to adverse conditions.
- **User-friendly:** Operators can be trained in less than an hour.
- **Versatile application:** The portable equipment enables connections in various locations and environments.

TECHNICAL DATA

Technical Measurement	Performance
Input Power	30 kva
Welding Current	300 A
Welding Time	0.1~2.5 S
Welding Range	0.24”~0.39” (6~10 mm)
Battery Capacity	300-500 STUDS
Welding Rate	5~8/min
Class Protection	IP23
Welding Process	Ceramic ferrule
Dimensions (L x W x H)	13.8×7.7×10.2 inch (350×195×260 mm)
Weight	24.3 lb (11 kg)





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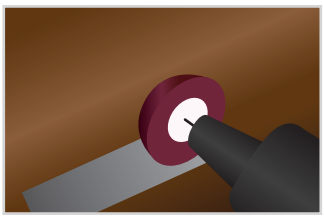
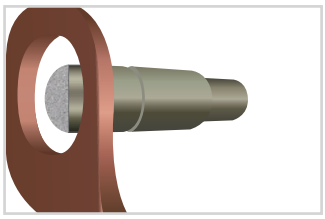
PIN BRAZING PROCEDURES

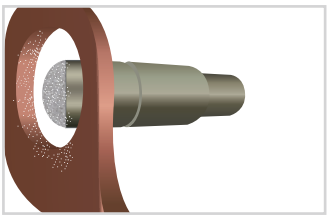
The Pin brazing method is swift and user-friendly. Simply adhere to these straightforward steps to guarantee a flawless brazing outcome.



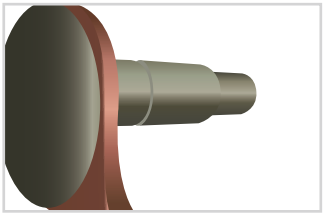
1.Clean and grind the surface for the brazing area



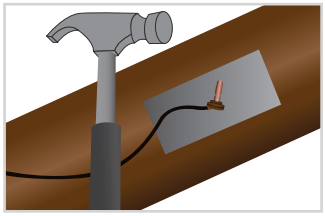
2.Pull the trigger



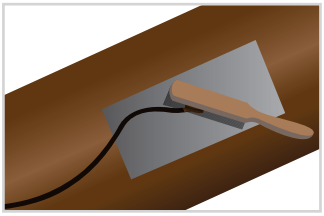
3.The brazing pin's capsule opens, exposing a special flux to clean the surface.



4.The silver soldering material melts



5.Test connection. –Knock off the control shaft on the brazing pin with a hammer.



6.Clean the connection

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Global Headquarter

2417 Katy Fort Bend Road,
Katy, Texas 77493
United States

Email: sales@jenningsanodes.com
Tel: +1 (281) 501 8398 / +1 (713) 799 3884

www.jenningsanodes.com

UK Office

Tatham Street, Hendon, Sunderland
SR1 2AG, United Kingdom

Email: sales@jenningsanodes.co.uk
Tel: +44 (0) 191 510 8843
Fax: +44 (0) 191 514 7749

www.jenningsanodes.co.uk

Asia Pacific Office

120 Lower Delta Road, #07-13 Cendex Centre, Singapore 169208

Email: inquiries@jenningsanodes.com
Tel: +65 6715 1514

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