

Branson™ Polaris IW Ultrasonic Welder

Simplify and Enhance Your Manufacturing Efficiency with Polaris IW



Entry-Level Excellence: Tailor-made for users new to ultrasonic welding, simplifies operations for straightforward production needs.



Optimize Your Footprint: Compact design ensures efficient utilization of space, ideal for settings where workspace is at a premium.



Rapid Installation: Intuitive setup process minimizes installation time, allowing you to get started with your production quickly and effortlessly.



Effortless Functionality: User-friendly controls mean minimal training is required, enabling operators to start working confidently and efficiently.



Hassle-Free Maintenance: Simplified service and maintenance processes reduce downtime, keeping your production line running smoothly and efficiently.

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Why Choose Polaris IW Welding System?

Polaris IW, a game-changer designed specifically for new users and businesses with straightforward production needs. Here's how Polaris IW can bring unmatched simplicity, efficiency, and productivity to your operations.

Embrace Simplicity with Polaris IW

For those new to ultrasonic welding, Polaris IW is your perfect entry-level solution. Its intuitive interface and straightforward operations ensure you can quickly and efficiently get acquainted with the technology. This makes it ideal for businesses with simple production requirements, streamlining processes, minimizing the learning curve, and enabling you to become productive in no time.

Optimize Your Space and Efficiency

In today's fast-paced manufacturing world, every inch of workspace is valuable. Polaris IW's compact design, which integrates the power supply module, actuation, and process controls into a single unit, helps you maximize your working area. This means you can house multiple devices or workstations within the same footprint, significantly boosting your overall productivity. Plus, the intuitive setup process allows you to spend less time on installation and more time on production, thanks to clear instructions and minimal assembly requirements.

Simplify Operation and Maintenance

Polaris IW is designed with ease of use in mind. Its user-friendly controls require minimal training, allowing your operators to perform tasks effortlessly. This simplicity reduces the risk of errors and increases productivity, letting your team focus on producing high-quality products. When it comes to maintenance, Polaris IW continues to impress. Its simplified service and upkeep mean routine maintenance tasks are quick and easy to perform. Accessible components and a straightforward design ensure less downtime for your equipment, keeping your production line operating smoothly and efficiently.

Key Features

- **3 Operating modes:** Weld by Time, Collapse Distance or Absolute Distance.
- **Amplitude control** with patented amplitude profiling.
- **Automatic pre-triggering** initiates ultrasonics prior to part contact.
- **Dynamic trigger** force based on pre-selected force setting.
- **Autotune plus memory** for fully automatic tuning and storage for the horn frequency at the end of each weld cycle.
- **Afterburst** with variable delay and duration is available to dislodge a part or material adhering to the horn face.
- **Line/Load regulation** corrects for variations due to power line fluctuations and varying load conditions through Branson's proprietary closed-loop amplitude control.
- **Visual and audible alarms** and external outputs identify overload, machine faults and setup errors.



For more information on Polaris IW
scan the QR code

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