

Ultrasonic Phoenix



Precision Sealing Simplified for Cu and Al Tubes

RTUL's Ultrasonic Phoenix i.e Ultrasonic Tube Sealer and Cutter is a compact, lightweight system designed for reliable, hermetic sealing of copper and aluminium tubes. With an efficient one-step process, it swiftly crimps, seals, and cuts charged tubes, offering unmatched speed and precision ideal for high-volume operations.

This setup is designed for automation, significantly enhancing both productivity and efficiency.

This adaptable system can seal tubes with diameters of up to 12mm, depending on their thickness, making it suitable for a wide range of industrial uses. With accurate controls, it guarantees uniform and high-quality seals, minimizing the requirement for operator skill. This provides a major benefit compared to conventional brazing techniques.

POWERHOUSE OF ULTRASONIC TECHNOLOGY®



Key Features:

- **Reliable Hermetic Seal :** Provides a secure and leak-proof seal, ensuring longevity and safety for sealed tubes.
- **Enhanced Efficiency :** Ideal for high-volume operations, significantly boosting productivity with a streamlined sealing and cutting process.
- **Precision and Control :** With robust controls, it delivers reliable results with minimal operator intervention, improving process consistency.
- **Portable and Versatile :** Compact design supports easy integration into automated production lines, as well as manual, bench-top, or balancer-supported used directly on charged lines.



Specifications

Pneumatically Operated Ux. Actuator with pneumatic controls & vortex cooling mechanism

Generator: 4.5kW, 20kHz

Special HP Converter

Special Steel Alloy Horn: 20kHz

Special Steel Alloy Anvil

Controller MPS-1

Connecting cables and tool kit

Applications:

- Sealing charged tubes in refrigerators and air conditioners
- Sealing bulb temperature sensors
- Sealing capillary tubes
- This solution is perfect for industries that require fast, consistent, and secure metal tube sealing.

The Ultrasonic Phoenix is ideal for industries that require fast, consistent, and secure sealing of metal tubes. Engineered for high performance, this setup integrates seamlessly into automated production lines, offering a reliable solution for all tube sealing and cutting needs.

RTUL's high-performance setup, designed specifically for copper and aluminum applications, enhances productivity and ensures consistent quality. Our innovative technology enhances productivity and ensures consistent quality, meeting the evolving demands of modern manufacturing.

ROOP ULTRASONIX LIMITED

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