

Ultrasonic Tube Sealing

URV 20

System for copper pipe fast sealing with ultrasonic technology

URV-20

The ultrasonic tube sealer URV-20 series represents a radical new design for industrial tube sealers and is equipped with several innovative features, based on the experience of engineers and the manufacturing know-how of machine users all over the world.

The URV-20 series provides unique performance at extremely compact dimensions and low weight.

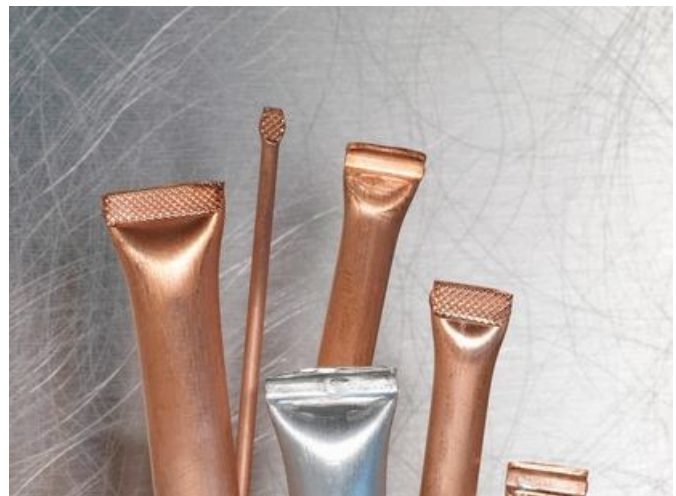
A particular focus throughout the design phase has been put on the ergonomics, to allow the worker to handle the machine in an effortless and more convenient way. Thus, all handling and activation features are designed according to the latest standards of industrial requirements.

Applications:

- Gas-tight sealing with simultaneous cutting of Copper service pipes up to ½" or 12mm outer diameter
- Used for refrigerators or air-conditioners to seal and cut the compressor and dryer filter service pipe after filling the unit with coolant
- Up to 3500 gas-tight welding/cuttings per shift

Benefits:

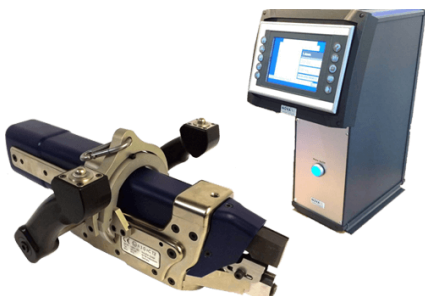
- Smallest and lightest machine (only 7kg) on the market with extremely compact design. This allows welding even in confined spaces
- Consistent good welding results, even when the tube quality changes Especially useful when the copper pipes are made with hard material or the copper material is not perfectly clean and free of oxides
- Precise power graph for process control at a glance
- Lowest maintenance requirements



Technical Characteristics URV 20

Weight of the machine	7Kg
Weight of the 360° suspension	1 kg
Weight of the generator	18 kg
Weight of the connecting cable	~ 3 kg
Gross weight including packing	~ 35 kg
Compressed air pressure	5,5 bar (recommended 6 bar filtered and no lubricated)
Voltage Supply	230V +/-5% (single phase + GND) @50/60 Hz
Booster - Converter frequency	20 kHz
Power consumption	2,2 kW peak
Typical welding time	below 1 second

URV-20 ULTRASONIC TUBE COMPRESSOR



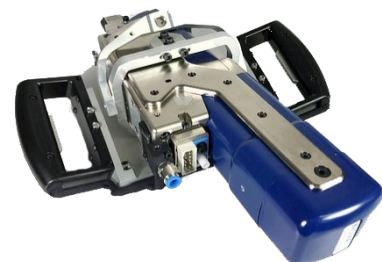
URV-20 WITH 360° SUSPENSION



URV-20 WITH 3D SUSPENSION



URV-20 WITH HORIZONTAL SUSPENSION



Optional features and devices

Atex version for Fridges charged with Flammable Gas
3-D suspension
360° suspension
Horizontal suspension
Light pointer on the welding area

Company Profile

Vacuum and Charging units

HC Refrigerants handling systems

Special Units

Vacuum and Charging injectors

Refrigerant transfer pump

Pressure test units leak detectors

Preliminary evacuation

Electrical and functional test

Ultrasonic tube sealers

IPCS & IPCS PLUS

超声波管密封

URV 20

采用超声波技术的铜管快速密封系统

URV-20

超声波封管机URV-20系列代表了工业封管机的全新设计，基于工程师的经验和世界各地机器用户的制造技术，配备了多项创新功能。

URV-20系列以极其紧凑的尺寸和较轻的重量提供独特的性能。

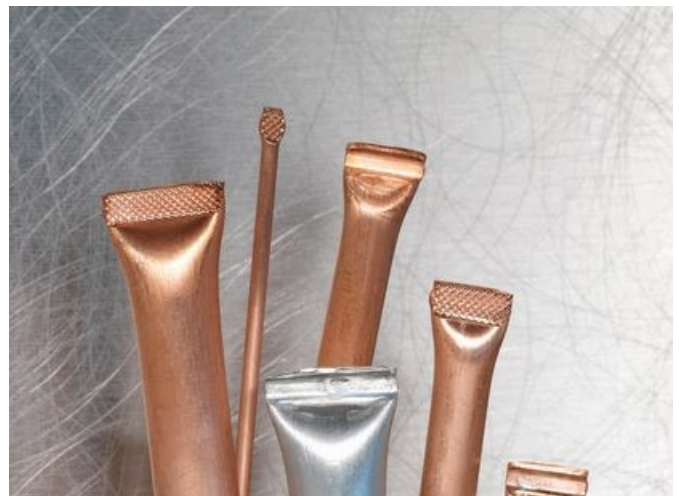
整个设计阶段特别关注人体工程学，让工人能够更轻松、方便地操作机器。因此，所有处理和激活功能都是根据最新的工业要求标准设计的。

应用：

- 通过同时切割外径最大为 ½" 或 12mm 的铜管，实现气密密封
- 用于冰箱或空调机，在充注冷却液后密封和切割压缩机和干燥过滤器维修管
- 每班最多3500次气密焊接/切割

益处：

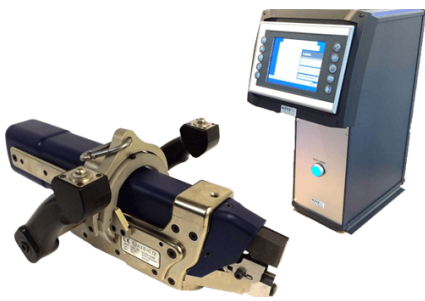
- 凭借紧凑设计，成为市面上最小、最轻的机器（仅7 kg）。即使在有限的空间内也可以进行焊接
- 即使管子质量发生变化，也能获均匀的良好焊接效果。当铜管由硬质材料制成或铜材料不完全清洁且不含氧化物时特别有用
- 精确的功率图，对工艺控制一目了然
- 最低的维护要求



URV 20的技术特性

机器重量	7Kg
360° 悬架重量	1kg
发生器重量	18kg
连接电缆重量	~ 3 kg
含包装的毛重	~ 35 kg
压缩空气压力	5.5 bar (建议6 bar过滤且无润滑)
电源电压	230V +/-5% (单相 + GND) @50/60 Hz
升压器 - 转换器频率	20 kHz
功率消耗	2.2 kW峰值
典型焊接时间	小于1秒

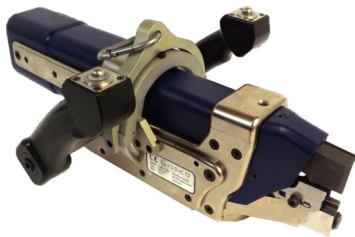
URV-20 超声波管式压缩机



URV-20 含360° 悬架



URV-20 含3D悬架



URV-20 含水平悬架



可选功能和设备

适用于装有易燃气体的冰箱的Atex版本
3-D悬架
360° 悬架
水平悬架
焊接区域上的光指针