

Ultrasonic welding machine

electrical **moTion**

*Faster, safer, more accurate and economical.
New, all-in-one technology.*

NEW

**WELCOME TO A NEW
WORLD OF WELDING.**

**rinco**[®]
ultrasonics

Technology **that moves**

AREAS OF APPLICATION



AUTOMOTIVE



HIGH TECH



PACKAGING



NON-WOVENS / TEXTILES



MEDICAL



HOUSEHOLD



COSMETICS

Electrical Motion by RINCO ULTRASONICS is perfect for welding, cutting and punching thermoplastics, non-wovens and textiles.

e-DRIVE

The Electrical Motion is electrically driven, Without compressed air the machine operates more economical

ACTUATOR

The start position of the actuator can be freely selected; the actuator does not move back to the home position. The welding cycle is therefore shorter

BETTER WELDING AND CUTTING RESULTS

- By more precise positioning of the actuator
- By more precisely selectable parameters for **welding force, speed, amplitude** and therefore more precise measurement results
- For **better repeatability** and **reliability**

8 WELDING MODES

1. Energy mode
2. Time mode (1 ms)
3. Energy and time mode
4. Energy or time mode
5. Contact cut-off mode
6. Travel mode absolute (0.01 mm)
7. Travel mode differential
8. Melting rate

CALIBRATION OF FORCE SENSOR AND AMPLITUDE POSSIBLE

PERFORMANCE LEVEL ■ Ple

SOFTWARE

- **Operation system:** Linux Ubuntu, therefore stable, fast, no shutdown needed

- Specifically developed application software
- Self-explanatory graphic user interface and **easy to operate**
- Welding results displayed **graphically**
- Welding results and parameter data can be exported
- **Multi-level user accounts**

MELTING PROCESS

- Can be divided into **10 STEPS**
- The welding cycle can therefore be controlled much more precisely for a much better welding result

AUDIT TRAIL FUNCTION

- To **ensure quality and retraceability** **All events and changes** to the parameters **are stored** in an **audit trail protocol automatically**
- **Audit Trail** can not be deleted

INTERFACES

- 3 USB ports
- 20 digital inputs
- 20 digital outputs, of which 3 are freely programmable
- 1 analog input
- 1 analog output
- 2 Ethernet ports
- 1 RS485 port
- 1 RS232 port

REMOTE ACCESS SERVICE

Can be set up for **remote maintenance**. For fast and efficient troubleshooting by our RINCO After Sales Service

TYPE APPROVED COMPONENTS

OPERATOR'S VISUAL INDICATION

Status light changes from green to red if an error occurs



FORCE OF UP TO 3000 N

e-DRIVE ACTUATOR

STROKE 100 mm

TOUCH DISPLAY

SAFETY

Emergency stop

TWO-HAND START

ergonomic Safeballs

1355 mm (height)

ROBUST CONSTRUCTION

WORK LIGHT



RINCO OPERATION SYSTEM



SERVO CONTROL UNIT SCU

ULTRASONIC GENERATOR

2000 W or 3000 W

electrical motion

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**EFFICIENT RINCO
AFTER SALES SERVICE**

**3-YEAR*
WARRANTY**

*In accordance with our terms and conditions

TWO-HAND RELEASE TO START WELDING PROCESS

- Ergonomic Safeballs (standard)
- Push buttons (as option)



QUICK TOOL CHANGE SYSTEM

- Change tools quickly and easily
- Self-positioning accoustics



12" TOUCH LCD DISPLAY

ergonomic,
swivel-mounted



WORK LIGHT

Swiveling, side-mounted work light



CONTACT US FOR MORE INFORMATION


ultrasonics

+41 71 466 41 00
rincoultrasonics.com
info@rincoultrasonics.com

Industriestrasse 4
CH-8590 Romanshorn

