

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**

electrical motion

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**RINCO
OPERATION
SYSTEM**



**SERVO
CONTROL
UNIT SCU**

**ULTRASONIC
GENERATOR**
2000 W or 3000 W



**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

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