

Ultrasonic generators

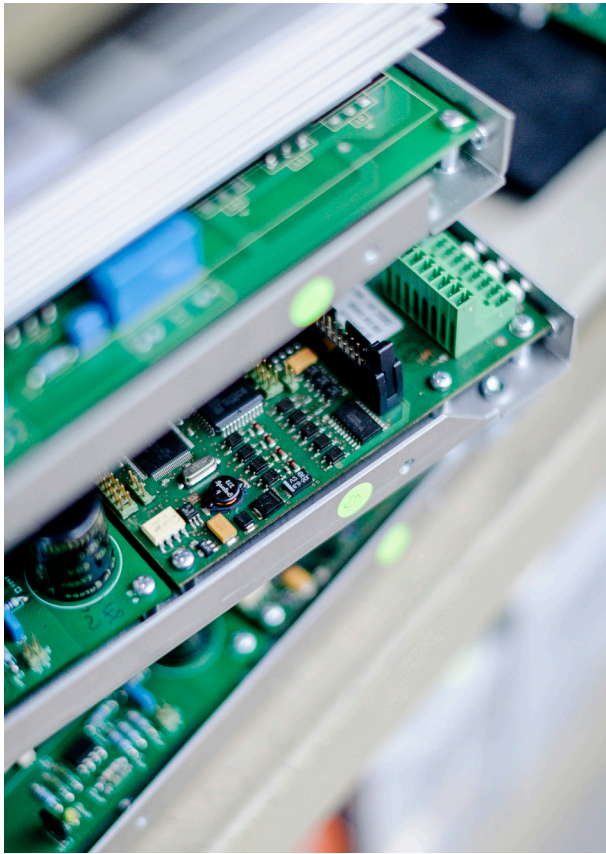
ECOLINE Series



rinco[®]
ultrasonics

AROUND YOU EVERY DAY

RINCO ultrasonic generators



ULTRASONIC GENERATORS – EVERYTHING UNDER CONTROL, ALWAYS

With RINCO ultrasonic generators, you always have everything under control – from managing your manual units or the ultrasonic welding machine, through to triggering the ultrasound in an automation line or special machine. The generators are intuitive to operate and easy to install. They have a space-saving design, feature all the standard interfaces and can be used in almost all areas of application.

RINCO manufactures ultrasonic generators in 7 product series:

XDG2 SERIES
ADG SERIES
AGM PRO SERIES
AGM2 SERIES
SDG SERIES and
RDG SERIES

Our ***ECOLINE generator*** is the perfect solution for carrying out simple applications and textile welding.

Would you like a tailor-made solution for your specific requirements? Contact us and we will be happy to advise you.

COME AND DISCOVER THE OUTSTANDING QUALITY OF RINCO PRODUCTS FOR YOURSELF

We are proud that our efforts to achieve perfection have been recognised by official bodies. The ISO certifications awarded to us prove that Swiss values such as reliability and precision are important roots from which our corporate culture has grown. We will always offer consistently high quality and the very best service.



CE

All RINCO machines are **CE-compliant** and therefore meet high European standards.

RELIABILITY

RINCO generators operate very **reliably**, are practically maintenance-free and have a **long service life**.



EFFICIENT RINCO
AFTER SALES SERVICE

AFTER-SALES SERVICE

We help our customers out with **technical support** even after they have made a purchase.

ECOLINE GENERATOR – Lightweight and easy to operate







ECOLINE 35

The Ecoline is our **lightest generator and the easiest one to operate**. It can be used in conjunction with appropriate ultrasonic hand units to carry out simple applications and textile welding operations.

Thanks to the plug-and-play functionality, the generator is ready for operation immediately. In test mode, the right amplitude level can be found initially, then the setting is saved and the unit switches to operation mode.

Status and power LEDs indicate the status of the hand unit and the amount of power currently being used during operation.

KHZ	Operating frequency:	35 kHz
	Output power:	400 W
	Amplitude:	40–100%, can be altered in increments of 10%
	Weight:	3.4 kg
	Voltage:	110 V AC + 230 V AC

COMPATIBLE DEVICES

The Ecoline generator is only available in a set with the following hand units:

Compatible with:

- HC35 hand cutter
- HT35 hand tacker
- HG35 hand gun
- HW35 hand welding unit



HC35



HT35



HG35-EC



HW35

FEATURES



PLUG AND PLAY

The Ecoline generator works using plug and play. Simply connect the cable and get to work. The generator will be **ready for operation immediately**.



AIR COOLING

At higher than usual loads, the horns may require cooling. A port has already been built onto the generator. A compressed air line has been integrated into the cable of the hand units.

FIELDS OF APPLICATION



AUTOMOTIVE



HIGH-TECH



PACKAGING



FOOD



NON-WOVEN & TEXTILE



MEDICAL



HOUSEHOLD



COSMETICS

**WELDING
CUTTING
RIVETING
EMBOSSING
BEADING
DIE-SINKING
SEALING**

ECOLINE GENERATOR – Lightweight and easy to operate

SMALL AND HANDY

Thanks to its **small but robust construction**, the Ecoline fits on every workbench. It can be transported safely using the handle on the generator or its practical carrying case.

DIFFERENT CABLE LENGTHS

Different cable lengths are available for the hand units.

This means that the workstation can be designed flexibly.

FUNCTIONS

WELDING MODE

For a simple welding process, the Ecoline generator can be operated in continuous mode and controlled via a button.



Continuous

ADJUSTABLE AMPLITUDE

The oscillation width is set using the amplitude button. You can change the value for the amplitude to between **40 and 100%** in 10% increments so as to achieve the best possible welding or cutting result. An LED bar indicates the power in real time during the welding process.



TEST FUNCTION

The TEST button on the generator can be used to trigger the ultrasound in order to check the oscillator unit is working correctly.

STATUS ALWAYS VISIBLE

Thanks to the LEDs on the user interface, you can always see the current status of the connected hand unit.

ECOLINE CARRYING CASE – Stow and transport with ease

The lightweight carrying case is ideal for storing and easily transporting ultrasonic equipment. Every time you buy a hand unit with an Ecoline generator, you will also get this carrying case. The service tool for the hand unit is also included.





































ECOLINE CARRYING CASE
including service tool



You can find other features as well as options and accessories for the Ecoline ultrasonic generator at the end of this brochure.

ECOLINE


rinco
ultrasonics

		XDG2 / SCU2	ADG	AGM Pro	AGM2	SDG	RDG	Ecoline
								
	Compatible devices	Electrical Motion2 series VEM2 series	Standard series VST series Several actuators SFC20	Several cutters and special actuators	Several cutters and special actuators	Easy series VEA series ABW35 Several special actuators Cutters Hand units	Lots of special actuators Cutters Hand units	HC35 hand cutter HT35 hand tacker HG35 hand gun HW35 hand welding unit
KHZ	Frequency (kHz)	20, 35	20, 30, 35, 70	20, 30, 35, 40, 70	20, 30, 35, 40, 70	20, 30, 35, 40, 70	20, 30, 35, 40, 70	35
	Output power (W)	3000, 2000, 900	3000, 2000, 1500, 1000, 900, 600, 400, 100	3000, 2000, 1500, 1000, 900, 800, 750, 500, 400, 100	3000, 2000, 1500, 1000, 900, 800, 750, 500, 400, 100	2000, 1500, 1000, 900, 800, 750, 500, 400, 200, 100	2000, 1500, 1000, 900, 800, 750, 500, 400, 200, 100	400
	Dimensions W x D x H (mm)	363 x 374 x 352	205 x 340 x 345	128 x 148 x 307	95 x 231 x 393	148 x 424 x 282	148 x 424 x 282	191 x 282 x 102
	Weight	16 + 9 kg	16 kg (ADG 70: 12.5 kg)	4 kg	3 kg	9.5 kg	9.5 kg	3.4 kg
	2-year guarantee	3 years	✓	✓	✓	✓	✓	✓
	Air cooling	✓	✓	✓	✓	✓	✓	✓
	Amplitude adjustment	40–100%, 1% increments/external	40–100%, 1% increments/external	15–100%, 1% increments/external	15–100%, 1% increments/external	15–100%, 1% increments/external	40–100%, 10% increments/external	40–100%, 10% increments
	Audit trail	✓						
	Calibration	Force, amplitude	Amplitude, power	Amplitude, power	Amplitude, power	Amplitude, power	Amplitude, power	Amplitude, power
	Cleanroom, ISO class 6	✓	✓					
	Constant amplitude	✓	✓	✓	✓	✓	✓	✓
	Time mode	✓	✓	✓	✓	✓		
W/S	Energy mode	✓	✓	✓	✓	✓		
	Travel mode	✓	✓					
	Continuous mode			✓	✓	✓	✓	✓
	Contact breaker (mode)	✓	✓	✓	✓	✓		
	Multi Melt Control (mode)	✓						
	Trigger point	Time, travel, force, off, external signal, travel absolute & force	Time, travel, pressure, off, external signal			On, off, time, start		
	Data transmission	✓	✓	✓	✓	✓		
	Database	✓	✓	✓	✓			
	Associated software			Web application	Web application			
	Digital technology	✓	✓	✓	✓	✓	✓	✓
	Multilingual	✓	✓	✓	English	✓		
	Protection against power overload	✓	✓	✓	✓	✓	✓	✓
	Protection against overheating	✓	✓	✓	✓	✓	✓	✓
	Part counter	✓	✓			External	External	
	Plug and play						✓	✓
	Remote access	Internal, external		Internal, external	Internal, external			
	Softstart, softstop for complex horns	✓	✓	✓	✓	✓	✓	
	Touch display	✓		✓				
	User administration	Individual per user	✓	✓	✓	✓		

OPTIONS AND ACCESSORIES


	XDG2 / SCU2	ADG	AGM Pro	AGM2	SDG	RDG	Ecoline
							
RS232 cable	✓	✓					
RJ45 connection cable	✓		✓	✓			
Safety relay		✓					
Contact breaker with power supply unit		✓					
Contact breaker RS housing					✓	✓	
Mains filter			✓	✓			
SDG trigger box					✓		
Tool case for 35 kHz hand units					✓	✓	✓
HC35 spanner set					✓	✓	✓
Communication modules	PROFINET		✓	✓			
HF switch box for hand units					✓	✓	
HF switch box					✓	✓	✓

RS232 cable



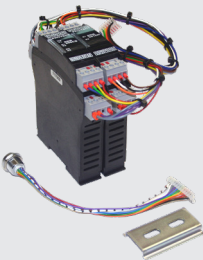
For exporting data.

RJ45 connection cable




For integrating Ethernet.

Safety relay




To convert an automated machine into a standard machine.

Contact breaker with power supply unit



Contact breaker equipment for ADG generators.

Contact breaker RS housing




Contact breaker equipment for RDG and SDG generators.

Mains filter



For special machines.

SDG trigger box




For activating the trigger.

Tool case for 35 kHz hand units



Lightweight and practical carrying case for tools.

HC35 spanner set



Lightweight and practical carrying case for the spanner set.

Communication modules



6 certified interchangeable fieldbus modules:

- EtherNet/IP
- PROFIBUS
- PROFINET
- EtherCAT
- DeviceNet
- CANopen

Device switch box for hand units

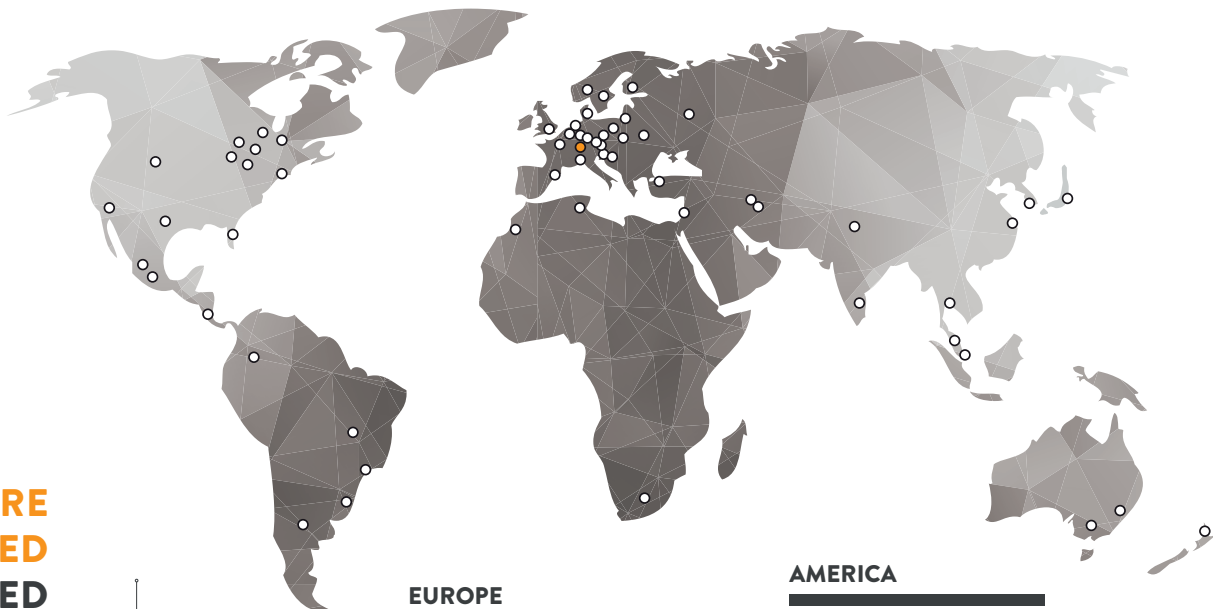


For easily switching from one hand unit to another hand unit with the same generator.

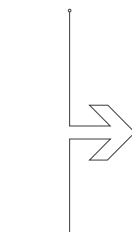
HF switch box



For distributing an HF signal from a single generator to multiple oscillator units.



**WE ARE
FOCUSED
COMMITTED
GLOBAL
LOCAL**



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MOROCCO

rincoultrasonics.com



CONTACT US FOR MORE INFORMATION

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

Industriestrasse 4
CH-8590 Romanshorn
Switzerland



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SINCE 1976