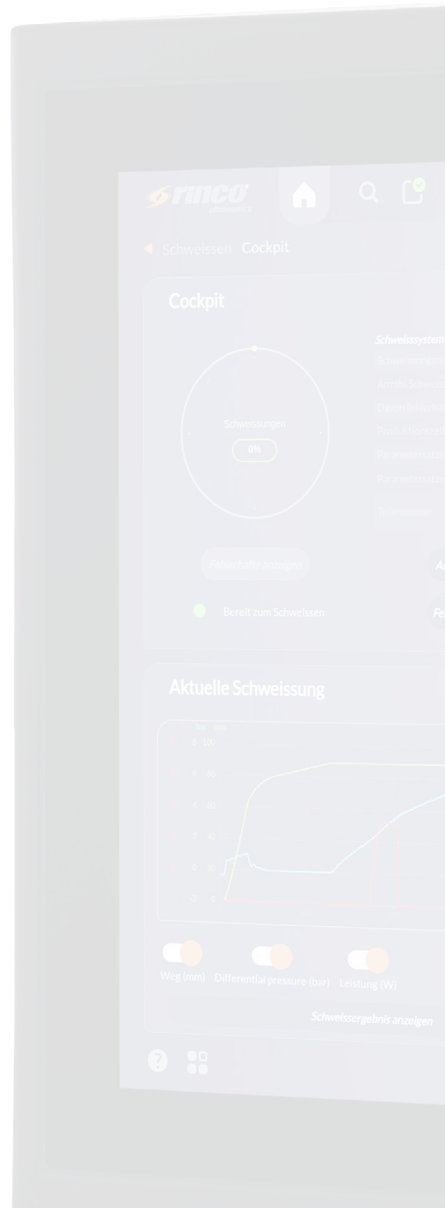


Ultrasonic generators

ADG2 Series



rinco[®]
ultrasonics

AROUND YOU EVERY DAY

ADG2 SERIES – Reliable and versatile



ADG2

The ultrasonic generators of the ADG2 series stand for precise and dependable ultrasonic machining with high process reliability. With integrated functions for process monitoring and quality control, they ensure reproducible results and stable processes, both in manual applications and in automated manufacturing environments.

The ADG2 generators are compatible with the Standard2-3000 and Standard2-745 ultrasonic welding machines and are also suitable for operating actuators. Thanks to their flexible application options, they are also designed for integration into automation lines and special-purpose machines.

The ADG2 combines innovative technology with reliable performance – for ultrasound processes that impress today and grow with your requirements tomorrow.

KHZ Operating frequency: 20 kHz, 35 kHz



Output power: 3000 W, 2000 W, 1500 W, 1000 W, 900 W, 750 W, 400 W



Amplitude: 40–100%, can be altered in increments of 1%



Weight: 11 kg



Display: 10.1", Colour capacitive touchscreen



Voltage: 230 V AC



STANDARD2 SERIES



VST2 SERIES

COMPATIBLE DEVICES

Compatible with: Standard2 series
VST2 series

FEATURES

QUALITY CONTROL

Ultrasonic generators from the ADG2 series can be used to set a wide range of **limits** that issue a warning or stop the welding process.

INTEGRATION INTO SPECIAL-PURPOSE MACHINES

The ADG2 generator is ideal for integration into special-purpose machines. It communicates with the **PLC** via digital I/O or PROFINET.



REMOTE ACCESS – REMOTE MAINTENANCE

Remote maintenance can be set up for our RINCO after-sales service to carry out quick and efficient troubleshooting.



USER ADMINISTRATION

Authorisations can be assigned **according to the menu**. Predefined user profiles can be **customised** for each user.

FIELDS OF APPLICATION



AUTOMOTIVE



HIGH-TECH



PACKAGING



FOOD



NON-WOVEN & TEXTILE



MEDICAL



HOUSEHOLD



COSMETICS

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

ADG2 SERIES – Reliable and versatile



INCREASE PROCESS RELIABILITY

A **part counter** and a **reject counter** are integrated into all ultrasonic generators from the ADG2 series, along with a **setpoint part counter**.

INTERFACES

The ADG2 boasts the following interfaces:

- 25 digital inputs/outputs
- 25 analog inputs/outputs
- 1 RS232 port
- 1 Display Port
- 2 Ethernet ports
- 2 USB ports
- 1 USB-C port
- 1 **PROFINET** (optional)

FUNCTIONS

7 WELDING MODES TO CHOOSE FROM

Thanks to the welding modes, you can find the **right setting for every application**, guaranteeing perfect welding. The following welding modes can be selected on the ADG2 series:



Welding time

W/S

Welding energy



W/S

Welding time AND/OR welding energy



Welding travel (absolute or differential)



Contact breaker



10.1" DISPLAY



QUALITY ASSURANCE

A data string can be exported via **RS232**, **Ethernet/a company network** or a **storage medium** like a USB stick in order to log welding data. There is also the option to read out the data via **PROFINET**.



MAXIMUM REPEATABILITY

The database for the ultrasonic welding machines can store **as many parameter data sets** as required.



SOFTSTART AND SOFTSTOP FUNCTION

These functions gently **augment and attenuate the oscillations** of complex horns to protect them from damage.



TRIGGER (ULTRASONIC TRIGGER POINT)

The welding operation can be initiated using a trigger. You can choose from the following triggers:

- Time
- Travel
- Pressure
- External signal
- Travel and pressure

MULTILINGUAL

OPERATE THE GENERATOR IN YOUR LANGUAGE

The software for the ADG2-series ultrasonic generators is available in lots of different languages.



You can find other features as well as options and accessories for the ADG2-series ultrasonic welding generators at the end of this brochure.

ADG2 SERIES

		XDG2 / SCU2	ADG2	ADG	AGM Pro	AGM2	SDG	RDG	Ecoline
									
	Compatible devices	Electrical Motion2 series VEM2 series	Standard2 series VST2 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
	Frequency (kHz)	20, 35	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, 750, 400	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	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	11 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	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, pressure	Amplitude, power	Amplitude, power	Amplitude, power	Amplitude, power	Amplitude, power	Amplitude, power
	Cleanroom, ISO class 6	✓		✓					
	Constant amplitude	✓	✓	✓	✓	✓	✓	✓	✓
	Time mode	✓	✓	✓	✓	✓	✓		
	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, external signal, travel & pressure	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	Internal, external			
	Softstart, softstop for complex horns	✓	✓	✓	✓	✓	✓	✓	
	Touch display	✓	✓		✓				
	User administration	Individual per user	Individual per user	✓	✓	✓	✓		

OPTIONS AND ACCESSORIES

	XDG2 / SCU2	ADG2	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	PROFINET		✓	✓			
HF switch box for hand units						✓	✓	
HF switch box						✓	✓	✓

RS232 cable



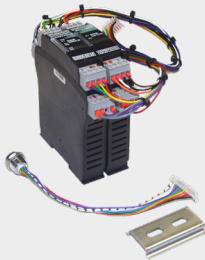
For exporting data.

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

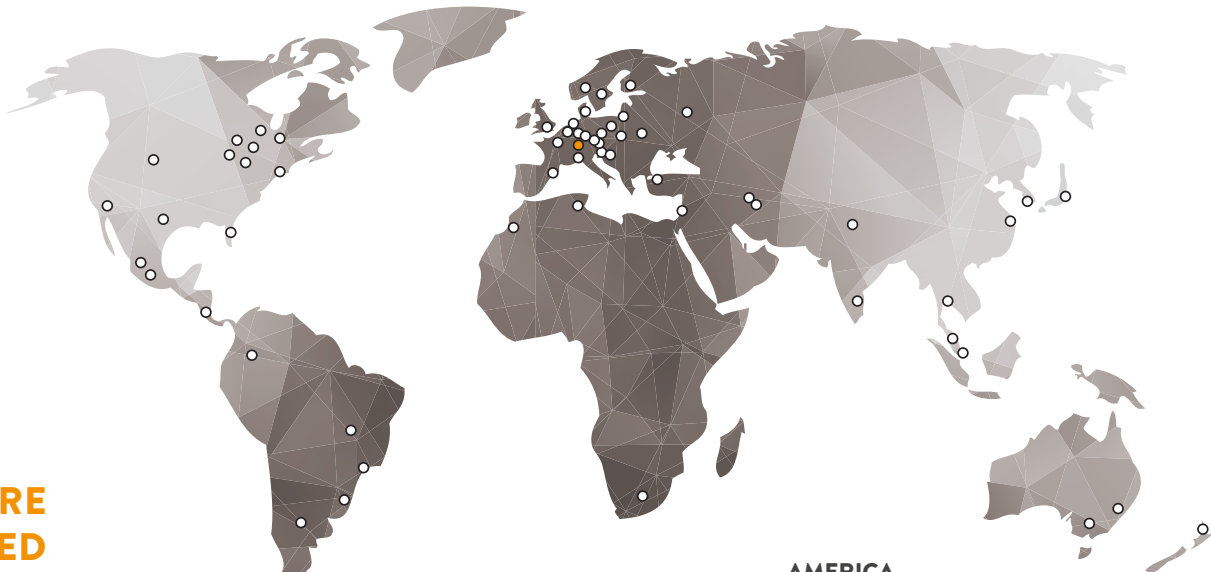


For easily switching from one hand unit to another hand unit with the same generator.

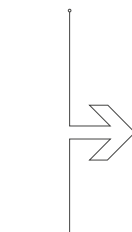
HF switch box



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



**WE ARE
FOCUSED
COMMITTED
GLOBAL
LOCAL**



EUROPE

SWITZERLAND

rincoultrasonics.ch

GERMANY

rincoultrasonics.de

FRANCE

rinco-france.com

SPAIN

rincoultrasonics.es

ITALY

rincoultrasonics.it

SWEDEN

rincoultrasonics.se

DENMARK

rincoultrasonics.dk

POLAND

rincoultrasonics.pl

AMERICA

USA

rinco-usa.com

MEXICO

rincoultrasonics.mx

ASIA

CHINA

rincochina.com

INDIA

rincoindia.com

JAPAN

uthe.co.jp

MALAYSIA

rincoultrasonics.com.my

AFRICA

MOROCCO

rincoultrasonics.com



CONTACT US FOR MORE INFORMATION

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

Industriestrasse 4
CH-8590 Romanshorn
Switzerland