

# RURIS RR3845e BATTERY Brushcutter





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## 1. INTRODUCTION

Dear Client!

Thank you for your decision to purchase a RURIS product and for your trust in our company! RURIS has been on the market since 1993 and during all this time it has become a strong brand, which has built its reputation by keeping promises, but also by continuous investments aimed at helping customers with reliable, efficient and quality solutions. We are confident that you will appreciate our product and enjoy its performance for a long time. RURIS does not offer its customers only machines, but complete solutions. An important element in the relationship with the customer is advice both before and after the sale, as RURIS customers have at their disposal a whole network of partner stores and service points.

To enjoy the purchased product, please read the user manual carefully. By following the instructions, you will be guaranteed a long use.

The RURIS company is continuously working on the development of its products and therefore reserves the right to modify, among other things, their form, appearance and performance, without having the obligation to communicate this in advance.

Thank you once again for choosing RURIS products!









Customer information and support:

Telephone: **0351.820.105**

e-mail: **[info@ruris.ro](mailto:info@ruris.ro)**

## 2. SAFETY INSTRUCTIONS

### 2.1 LABELS ON THE MACHINE

	<p>Danger!</p>
	<p>Do not use the chainsaw at a distance of less than 15 m near other people!</p>
	<p>Risk of bodily injury to people near the chainsaw!</p>
	<p>Attention, disconnect the battery when performing maintenance!</p>
	<p>Read the user manual!</p>
	<p>Use protective helmets!</p>
	<p>Use protective gloves!</p>
	<p>Use protective boots or shoes!</p>



## 2.2 SAFETY INFORMATION

Before using the mower, read and follow all warnings, cautions and instructions in this manual.

NOTE: The following safety information is not intended to cover all possible conditions and situations. Read the entire user manual. Failure to follow instructions and safety information can result in serious injury or death.

### GENERAL SAFETY RULES

SAVE THESE SAFETY INSTRUCTIONS.

WARNING: Do not operate this mower until you have read this instruction manual and are familiar with the safety, operation, and maintenance instructions.

### WORK AREA SAFETY

- Keep the work area clean and well lit.
- Do not use power tools in explosive atmospheres, such as in the presence of liquids, gases or fuel vapors. Power tools create sparks that can ignite fuel gases or vapors.
- Keep children and bystanders away. All visitors and pets must be kept a safe distance from the work area.
- Do not allow children or untrained persons to use this machine.
- Do not expose power tools to rain or moisture. If water gets into a power tool, it will increase the risk of electric shock.
- Do not handle the plug or tool with wet hands.
- Never allow children to operate the equipment. Never allow adults to operate the equipment without proper instruction.
- Always wear goggles and a protective mask.
- Clip long hair above shoulder level to prevent it from getting caught in moving parts.



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- Do not expose the machine to rain, store it indoors.
- Do not operate in low light conditions.
- Keep all parts of your body away from any moving part of the machine.
- Wear long pants, safety boots and gloves. Avoid loose clothing and jewelry that can get caught in moving parts of the machine.
- Do not force the machine.
- Do not use the equipment barefoot or with sandals or inappropriate footwear. Wear protective footwear.
- Maintain a firm stance and balance when using the mower.
- Do not use the tool if the switch is not functional.
- Keep all bystanders, children and pets at least 50 meters away. • Do not use this unit when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- Keep all parts of your body away from moving parts and all hot surfaces of the tool.
- Check the work area before each use. Remove all objects such as stones, broken glass, nails, wire or string that can be thrown or caught in the machine.
- Use only original spare parts and accessories from the manufacturer. Use of any other part may create a hazard or cause damage to the product.
- Do not charge the battery tool in the rain or in a wet place. This rule will reduce the risk of electric shock.
- Tools with batteries must not be connected to an electrical outlet; so they are always in working condition. Be aware of potential hazards even when not using the cordless tool or when changing accessories. Following this rule will reduce the risk of electric shock, fire or serious personal injury.
- Disconnect the battery before servicing or cleaning the machine.



- Use only RURIS batteries
- Do not dispose of batteries in fire, the cells may explode. Consult local regulations for possible special disposal instructions.
- Do not open or damage batteries. The released electrolyte is corrosive and can cause skin and eye irritation. May be toxic if swallowed.
- Do not place battery tools or their batteries near fire or other heat sources. This will reduce the risk of explosion.
- Do not crush, drop or damage the battery. Do not use a damaged battery or charger.
- Do not point the tool at people or pets.
- When not in use, the tool should be stored indoors in a dry, locked area out of the reach of children.
- Handle the tool with care. Keep the tool clean for high performance. Follow the instructions for proper maintenance.
- To reduce the risk of electric shock, do not expose the machine to rain, do not use it on wet surfaces. Store it indoors.
- Keep these instructions. Refer to them frequently and use them to train others who may use this machine.
- Keep children away from the work area and under the supervision of a responsible adult.
- Do not allow children to operate the tool.

### **PERSONAL SECURITY**

- All persons, children and pets must remain a safe distance from the work area.
- Do not use the tool when you are tired or under the influence of drugs, alcohol or medication.



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- Do not use the tool for any work other than that for which it is intended.
- Do not wear loose clothing or jewelry when using the tool.
- Wear glasses with side protection.
- Keep all parts of your body away from any moving parts.
- Avoid accidental start. Make sure the switch is in the off position before connecting the battery or when transporting the tool.
- Do not use the tool on a ladder or on an unstable stand. A stable base on a solid surface allows better control of the power tool.

## **USE AND MAINTENANCE**

- Familiarize yourself with the tool. Read the manual carefully, learn about its applications and limitations, and specific potential hazards associated with this machine.
- Check for misaligned or jammed moving parts, broken parts, and any other defects that could affect the operation of the tool. If damaged, repair the power tool before using it.
- Do not force the power tool. Use the power tool correctly for your application.
- Disconnect the battery from the power tool before making adjustments, changing accessories or storing power tools.
- Check the operation of the tool before using it.
- Keep the cutting blade sharp and clean.
- Do not use the tool if it does not have a legible warning label.
- Use the power tool in accordance with these instructions, taking into account the working conditions. Using the power tool for operations other than those intended could result in a hazardous situation.

Battery safety rules



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- Tools with batteries must not be connected to an electrical outlet; therefore, they are always in working order. Following this rule will reduce the risk of electric shock, fire or serious personal injury.

WARNING: When transporting or servicing the unit, always disconnect the battery.

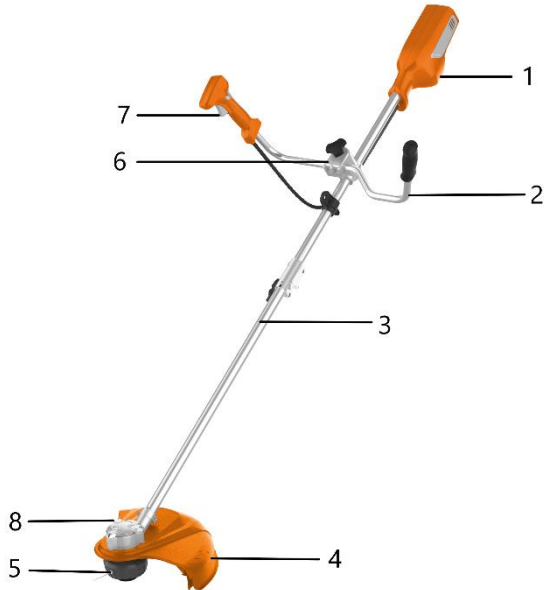
- Maintain a firm position to maintain your balance during operation and be sure to use the work harness when using the electric mower
- Use the chainsaw \_\_ no more \_ on t i mp of day to have in the conditions \_ \_ \_ \_ of l u m i n a r t t i f i c i a l g o o d \_
- Do not use the mower in bad weather, especially when there is a risk of a storm.
- Do not use the mower if you are tired, ill, under the influence of drugs, alcohol or medication.
- come on \_\_ not run when using the machine

Use only original or Manufacturer approved cutting devices.

- Use the chainsaw only with the correct cutting line and both cutting cords at the correct length.
- The 3-edged knife is suitable for cutting small bushes and shrubs up to 2 cm in diameter;
- Cordless chainsaws should not be used to cut hedges, branches or wood.

### 3. BRUSHCUTTER OVERVIEW

1. Electric motor
2. HORNS
3. Transmission rod
4. Protection device
5. syst
6. Horn clamp
7. Throttle lever
8. Reducer head



The images are informative, the supplier

reserves the right to make structural and functional changes to the machine presented in this manual.

RURIS batteries benefit from the "**α UP-Innovation RURIS**" function . This function helps the battery when it reaches the critical discharge threshold. Ruris came up with an innovation in the system of cells inside the battery, through which the battery can be recharged after a long period of time in which it has been discharged. Thus, RURIS users can enjoy the reliability and innovation of RURIS.

After storage, charging is recommended at an interval of 6 months - 1 year

## 4. TECHNICAL DATA

<b>Motor</b>	Electric, brushless
<b>Battery</b>	Li-Ion 40V 5 Ah (not included in the product)
<b>Total Power</b>	P <sub>w</sub> = 200 Wh
<b>handle</b>	Ergonomic – 2 segments
<b>Handle vibrations</b>	1.45 m/s <sup>2</sup> K=1.5 m/s <sup>2</sup>
<b>Wire cutting diameter</b>	380 mm
<b>Knife cutting diameter</b>	255 mm
<b>Rod tube diameter</b>	26 mm
<b>Transmission</b>	Rigid, modular
<b>Knife</b>	3 teeth
<b>Weight</b>	3.8 kg

## 5. ASSEMBLY

Before installation and commissioning, you must ensure that the battery-powered chainsaw is correctly assembled according to the assembly plan and follow the instructions in this manual. Only then can you proceed to actual commissioning.

### **Fitting the horns**

Loosen the screw located on the clamp by unthreading until it is free from the thread, then fix the horns in the working position and tighten their fixing screw (fig.1).



Fig. 1

### Transmission coupling

For modular transmissions that come divided into two segments, they must be joined with the help of the fixing clip and the locking nut (fig 2).

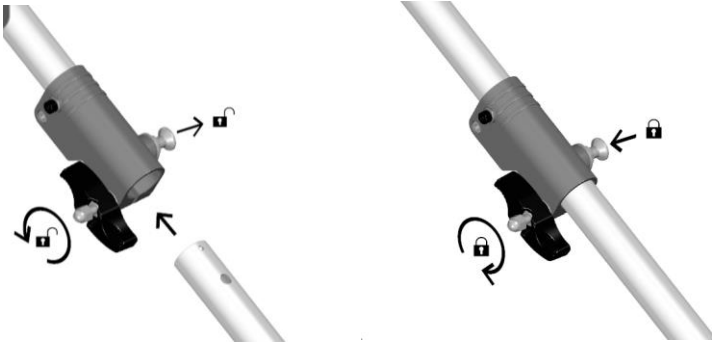


Figure 2

### Mounting the protective device (guard)

Fit the guard to the fixing points and tighten the screws firmly.

This has both the role of protecting the user from hard bodies that can ricochet during use, and the role of load limiter.



Fig. 3

**Careful! Do not use the mower without the protective device (guards).**

#### **Mounting-dismounting of the cutting disc and the auto-cut**

In order to proceed properly, you will need to have the following necessary tools at hand: the allen-locker and the handle wrench provided with the mower.

The assembly-disassembly order is shown in figure 4.

Use the lock hex provided with the mower and position it in the lock hole of the reducer head.

Using the wrench provided with the mower, secure the lock nut and turn counterclockwise to tighten, or clockwise to loosen.

The 3-tooth cutting disc (Fig. 4) can be mounted on any side with double sharpening.

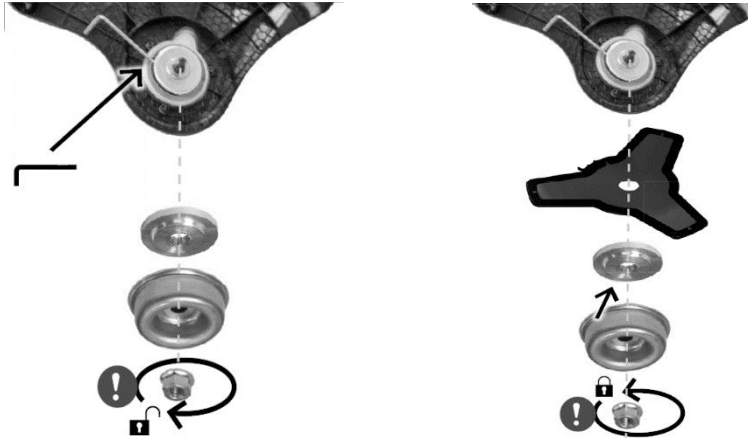


Fig. 4

Check that the whole assembly is correctly fitted and the disc is firmly tightened without axial or transverse play, then remove the disc protective gasket

To mount the auto-cut, remove the washers and the nut. The self-cut is then threaded, counter-clockwise, by hand, helping us by the blocker and tighten strongly (Fig.5).

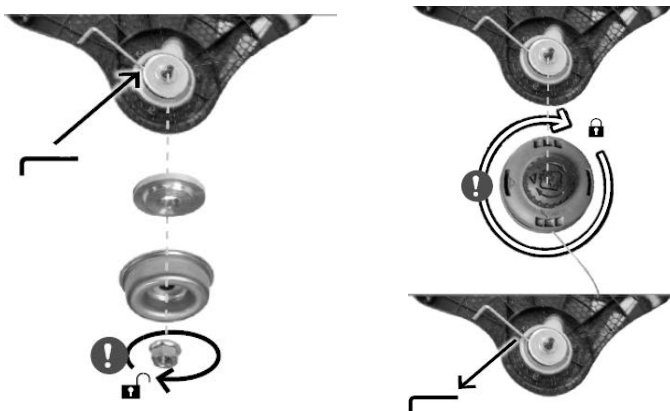


Fig. 5

If you fail to do so, you must immediately go to the nearest Ruris authorized service point to have this problem fixed.

### **Fitting the harness**

To fit the harness you will need to position it on your shoulders and then secure it.

The harness can be easily fixed on the user's body by means of quick-type adjustment elements, without the user losing time or suffering discomfort during operation.

With quick adjustment, the user can start working immediately.

To be able to position the mower correctly in the harness, make sure that it is balanced and does not touch the ground.

To balance the mower in relation to the harness and the height of the user, you will need to perform the following maneuvers:

- make sure the harness safety is located below the user's hip.

- position the chainsaw in the safety of the harness and leave it free

- if the mower is not balanced and touches the ground with the cutting disc or the mower has a tendency to lean towards the engine, you will have to reposition the fixing system located on the transmission rod to the engine or the cutting disc until you find the point balance of the scythe. In this case, exploitation will be done easily without supporting the mower on your hands.



## 6 . PUTTING INTO SERVICE

Before putting the mower into operation, you must ensure that the following conditions are met:

- within a radius of 15 meters on either side of the chainsaw, there are no people or objects with which it could come into contact.
- the mower is placed horizontally on the ground.
- the cables are correctly installed.
- the horns are correctly mounted and secured.
- the reducer head has graphite vaseline.
- the cutting disc is mounted and fixed correctly, secured with the lock nut.
- the protective guard is mounted correctly.
- all mower bolts are firmly tightened.

### **Checking the cutting disc and auto-cut .**

**Careful!** When mounting the cutting disc, use the lock nut to unscrew the clamping nut clockwise. After mounting the cutting disc, make sure that the nut is well tightened and the cutting disc is well fixed, guided and does not show deformations or cracks on its surface , otherwise replace it.

## 7. EXPLOITATION OF THE CHAINSAW

RURIS brand shoulder chainsaws are products that allow you to easily choose the mowing mode, without having to perform successive adjustment or maintenance maneuvers. Chainsaws create a unitary body with the user and provide maximum comfort and perfect operation.

In order to be able to use the chainsaw in optimal working conditions, you will need to check before starting the mowing operation if there are objects, wood stumps, stones, wires, flies, etc. on the mowing surface. objects with which the cutting disc may come into contact.

If you find such objects you will have to remove them from the surface to be mowed. At the same time, unevenness or other elements that could endanger your safety during exploitation will have to be highlighted by markings in those areas.

**Careful!** To be able to operate the chainsaw safely, you will have to read the manual and take into account the markings on the parts of the chainsaw.

It is forbidden to use the chainsaw without a harness.



Make sure that before starting the operation, there are no people or animals within a radius of at least 15 meters that you could injure because at the maximum speed of the cutting disc through contact with the gravel in the ground or other objects they can be projected .

After you have started the mower and positioned it in the safety of the harness, you can proceed to its operation. For your safety, avoid contact of the disc with stones or hard objects.

Actuation of the transmission is done by operating the accelerator lever at maximum, during the mowing process, without fluctuations that create shocks in the transmission and cause its premature wear.

## 8. Mowing methods

1. Spiral or figure 9 mowing method
  - Start mowing from the outside of the surface, also choose your mowing mode, you can mow to the right or left. It is recommended not to mow in both directions, as you risk stepping on the mown hay in the direction of return, according to fig. 6



Figure 6

2. Straight mowing method
  - Before you start mowing, set a reference point to which you are going to move. Mowing can be done by orienting the handles consecutively to the right or left depending on the actual mowing mode.



Fig. 7

3. Slope or ramp mowing method
  - To be able to mow safely, position yourself perpendicular to the axis of the slope and always lean on the foot of the ramp, according to fig. 8



Fig. 8

4. Mowing method used for clearing (fig. 9)
  - Deforestation is always done with a perfectly chosen disc, depending on the shrubs to be deforested.

- For safe clearing you should always start from the edge of the mowing area and never inside this area to avoid possible accidents.

Fig. 9



5. The method of mowing with the help of the autocut
- To use the autocut, you must choose the type of wire perfectly for the surface to be cut.
  - The wire that equips the autocutter will finely chop the grass.
  - The autocut can be successfully used in areas with obstacles, for ventilation of trees, in areas of joints with curbs.

To handle the wire, you will have to operate the autocut by pressing it on the ground or by lightly hitting it on the ground, according to fig. 10

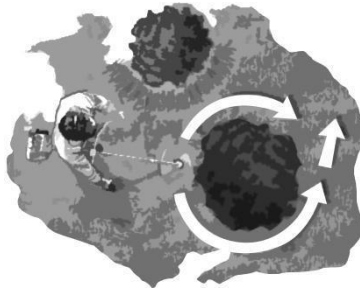


Fig. 10

This wire handling operation will be done at full engine speed.



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## 8. MAINTENANCE

Before cleaning, inspecting or repairing your mower, make sure the engine is cool. Disconnect the battery to prevent accidental starting.

The user can only carry out maintenance and service interventions that are described in this manual. More complex interventions are carried out in an authorized service workshop.

In order to be able to sharpen the cutting disc, as well as for other interventions, it is advisable to go to an authorized RURIS service.

Certain parts of the transmission work in petroleum jelly. It is necessary to top up with petroleum jelly and check the reducer head. The amount of petroleum jelly in the reducer head must be checked before each use.

If the cutting disc does not cut properly, it can be sharpened or eventually replaced.

For any problems or misunderstandings on how to work with the machine, contact the authorized RURIS distributor.

Keep the mower, especially the ventilation holes, clean. Never spray water on the body of the device!

Never clean the mower and its components with solvents, flammable or toxic liquids. Clean it with a damp cloth.

Use only original accessories and original spare parts. Use of other spare parts may result in accidents/injury to the user.

Please contact an authorized RURIS service if you need accessories or spare parts.

## 9 . EQUIPMENT STORAGE

If you do not use the chainsaw for a longer time (over a week), proceed as follows:

- Clean the mower.
- Store in a dry place out of the reach of children.
- The chainsaw must be stored in dry places with a roof and protected against moisture.
- Lubricate all active metal parts with petroleum jelly.
- Do not store the mower near flammable areas.



**Do not dispose of electrical equipment, industrial electronics and components in household waste! Information on WEEE. Considering the provisions of GEO 195/2005 - regarding environmental protection and GEO 5/2015. Consumers will consider the following indications for handing over electrical waste, specified below:**

- Consumers have the obligation not to dispose of waste electrical and electronic equipment (WEEE) as unsorted municipal waste and to collect this WEEE separately.

- The collection of these named wastes (WEEE) will be carried out through the Public Collection Service within each county and through collection centers organized by economic operators authorized for the collection of WEEE. Information provided by the Environmental Fund Administration [www.afm.ro](http://www.afm.ro) or the journal of the European Union.

- Consumers can hand in WEEE free of charge at the previously specified collection points.

## 1 0. DECLARATIONS OF CONFORMITY

### DECLARATION OF CONFORMITY CE



**Manufacturer:** SC RURIS IMPEX SRL

Blvd. Decebal, no. 111, Administrative Building, Craiova, Dolj, Romania

Goal. 0351 464 632, www.ruris.ro, info@ruris.ro

Authorized representative: Eng. Stroe Marius Catalin – General Manager

Authorized person for the technical file: Eng.Alexandru Radoi – Production Design Director

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**Description of the machine:** The shoulder mower with battery performs mowing operations, the basic machine being the energy component and the mowing table with cutting blade and other accessories, the actual mowing and working equipment.

Serial number: from xx RR3845e 0001 to xx RR3845e 9999 (Where xx represents the last two digits of the year of manufacture)

**Product:** Shoulder chainsaw with battery

**Model:** RURIS

**Type:** RR3845e

**Motor:** Electric, brushless

**Power:** Pw= 200 Wh

**Wire cutting diameter:** 380 mm

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*We, SC RURIS IMPEX SRL Craiova, producer, in compliance with HG 1029/2008 - regarding the conditions for the introduction of cars on the market, Directive 2006/42/EC - safety and security requirements, Standard EN ISO 12100:2010 - Cars. Security, Directive 2000/14/EC amended by Directive 2005/88/EC, HG 1756/2006 - on limiting the level of noise emissions in the environment, Directive 2014/30/EU on electromagnetic compatibility (HG 487/2016 on electromagnetic compatibility, updated 2019), Directive 2011/65/EU of June 8, 2011 regarding restrictions on the use of certain hazardous substances in electrical and electronic equipment amended by Directive 2011/65/EU Annex 2, we have certified the conformity of the product with the specified standards and declare that it complies with the main safety and security requirements, does not endanger life, health, work safety and does not have a negative impact on the environment.*

The undersigned Stroe Catalin, the manufacturer's representative, declares on his own responsibility that the product is in accordance with the following European standards and directives:

- **SR EN ISO 12100:2011/ EN ISO 12100:2011** - Machine safety. Basic concepts, general design principles. Basic terminology, methodology. Technical principles
- **SR EN ISO 11806-1:2022/ EN 11806 -1:2011-** Agricultural and forestry machines. Safety requirements and tests for portable powered brush cutters and grass cutters. Part 1: Machines equipped with an integrated internal combustion engine
- **SR EN 50636-2-91:2014/ EN 50636-2-91:2014** – Electrical appliances for household use and similar purposes. Security. Part 2-91: Particular requirements for pedestrian-operated and portable lawn mowers and edging machines
- **SR EN 60335-1:2012/A14:2020/ EN 60335-1:2012/A11:2014+A14:2019-** Electrical appliances for household use and similar purposes. Security. Part 1: General prescriptions
- **SR EN 62133-1:2017/ IEC 62133-1:2017-** Alkaline accumulators and other accumulators with non-acidic electrolyte - Safety requirements for sealed portable

accumulators and for batteries made of them, intended for use in portable applications.

Part 1: Nickel systems

- **SR EN 60335-1:2012/A2:2019/ EN 60335-1:2012/ A2:2019-** Electrical appliances for household use and similar purposes. Security. Part 2-1: General requirements
- **SR EN 60384-14:2014/ EN 60384-14:2014-** Fixed capacitors for use in electronic equipment - Part 14: Sectional specifications - Fixed capacitors for suppression of electromagnetic interference and connection to the supply network
- **SR EN 60664-1:2008/ IEC 60664-1:2007** - Coordinating the isolation of equipment from low voltage networks. Part 1: Principles, prescriptions and tests
- **SR EN 61058-1-1:2017/ IEC 61058-1:2016-** Switches for appliances - Part 1: General requirements
- **EN IEC 55014-1:2021/ EN 55014-1:2021-** Electromagnetic compatibility. Requirements for household appliances, power tools and similar appliances. Part 1: Issue
- **SR EN IEC 55014-2:2021/ EN 55014-2:2021-** Electromagnetic compatibility. Requirements for household appliances, power tools and similar appliances. Part 2: Immunity. Product family standard
- **SR EN ISO 3744:2011** - Acoustics. Determination of sound power levels emitted by noise sources using sound pressure

**Directive 2000/14/EC** (amended by Directive 2005/88/EC) – Noise emissions in the outdoor environment

**Directive 2006/42/EC** - regarding machines - placing machines on the market

**Directive 2014/30/EU** - on electromagnetic compatibility (HG 487/2016 on electromagnetic compatibility, updated 2019);

**DIRECTIVE 2011/65/EU** of June 8, 2011 on restrictions on the use of certain hazardous substances in electrical and electronic equipment amended by Directive 2011/65/EU Annex 2

Manufacturer's brand and name: ZSI Co. Ltd

**Other Standards or specifications used:**

- **SR EN ISO 9001** - Quality Management System
- **SR EN ISO 14001** - Environmental Management System
- **ISO 45001:2018** - Occupational Health and Safety Management System.

**Note: the technical documentation is owned by the manufacturer.**

Clarification: This declaration is in accordance with the original.

Validity period: 10 years from the date of approval.

Place and date of issuance: **Craiova, 19.12.2022**

Year of application of the CE marking: **2022**

No. reg: **1442/19.12.2022**

**Authorized person and signature:**

Ing. Stroe Marius Catalin  
Director General of  
SC RURIS IMPEX SRL


## DECLARATION OF CONFORMITY **EC**

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Bldv. Decebal, no. 111, Administrative Building, Craiova, Dolj, Romania

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**Power:** Pw= 200 Wh

**Wire cutting diameter:** 380 mm

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Measured sound power level: **88 dB(A)** Guaranteed sound power level: **92 dB(A)**

The acoustic power level is certified by Intertek Testing Services through Report no.

21SHX0066-02 of 06.12.2021 in accordance with the provisions of Directive 2000/14/CE and SR EN ISO 3744:2011

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*We, SC RURIS IMPEX SRL Craiova, producer, in compliance with HG 1029/2008 - regarding the conditions for the introduction of cars on the market, **Directive 2006/42/EC** - safety and security requirements, Standard EN ISO 12100:2010 - Cars. Security, **Directive 2000/14/EC amended by Directive 2005/88/EC**, HG 1756/2006 - on limiting the level of noise emissions in the environment, **Directive 2014/35/EU**, HG 409/2016 - on low voltage equipment, **Directive 2014/30/EU** on electromagnetic compatibility (HG 487/2016 on electromagnetic compatibility, updated 2019), **DIRECTIVE 2011/65/EU** of June 8, 2011 on restrictions on the use of certain hazardous substances in electrical and electronic equipment amended by Directive 2011/65 /EU Anxa 2, we certified the conformity of the product with the specified standards and declare that it complies with the main safety and security requirements, does not endanger life, health, work safety and has no negative impact on the environment.*

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- **SR EN ISO 9001** - Quality Management System
- **SR EN ISO 14001** - Environmental Management System
- **ISO 45001:2018** - Occupational Health and Safety Management System.

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Year of application of the CE marking: **2022**

No. reg: **1443/19.12.2022**

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**Authorized person and signature:**

Ing. Stroe Marius Catalin  
Director General of  
SC RURIS IMPEX SRL

