



EN

# Battery trimmer Ruris RT3345e





## CONTENT

1.	Introduction .....	3
2.	Safety information .....	4
3.	General presentation of the machine .....	9
4.	Technical data .....	10
5.	Assembly guide .....	11
6.	Maintenance .....	15
7.	Declarations of Conformity .....	17



## 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 INFORMATION



Before using the trimmer, 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. this can happen. 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 use this trimmer 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 use the unit in this case.
- 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.



- Do not expose the machine to rain, store it indoors away from heat sources or flammable substances.
- 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 trimmer.
- 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.
- Use the tool for domestic use only.
- Battery powered tools must not be plugged into an electrical outlet; so they are always in working condition. Be aware of potential hazards when not using your 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 battery.
- 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 heat. 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.
- 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.
- Use the right equipment. 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 shields.
- 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.

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

Battery powered tools must not be plugged into 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.

#### **TRIMMER SAFETY STANDARDS .**

- Use the tool only in daylight or good artificial light.
- When used, the trimmer line can throw stones, pieces of metal and other objects at high speed. The trimmer and its guard are designed to reduce the hazard. However, the following special precautions should be taken: ENSURE that other people and pets are at least 30 meters away.



- Use only original RURIS cutting wire. Do not use other cutting accessories, for example metal wire. Installing other autocutters on this tool can result in serious personal injury.
- Never use the tool without the projection mounted. Make sure it is in good condition.
- Check for damaged parts. Before continuing to use the tool, any guard or other damaged part should be carefully inspected to determine if it will function properly and perform the function for which it was designed.

Check alignment of moving parts, connection of parts, tightness of parts, mounting, and any other condition that may affect tool operation. A guard or other part that is damaged must be properly repaired or replaced by an authorized RURIS service center to avoid the risk of personal injury.

- Never use blades, wire or ropes. The tool is designed to be used with autocut only. Using any other accessory will increase the risk of injury.
- Keep the vents clean and free of debris to prevent the engine from overheating. Clean after each use.
- When not in use, the trimmer must be stored indoors, in a dry place, away from heat sources or flammable substances.

### Symbols on the machine

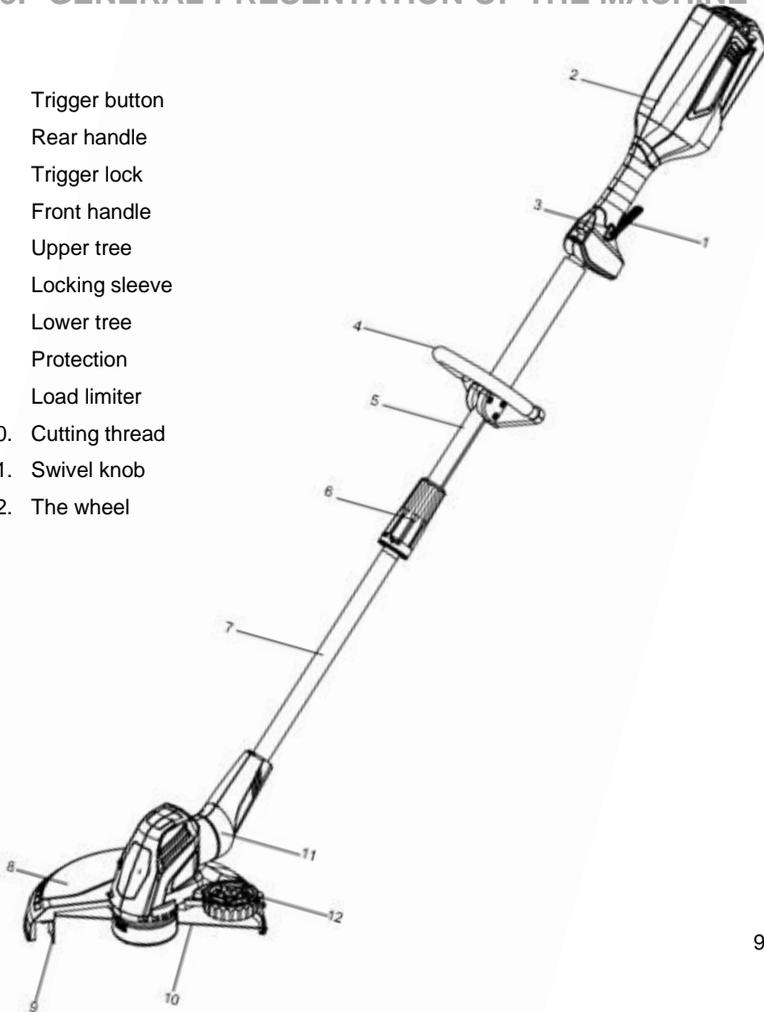
	Read the manual.
	Wear protective footwear.
	Wear hearing protection.
	Wear hand protection equipment.
	Careful! Danger.



	Careful! Debris may be ejected from the outlet.
	Do not expose to rain.
	Before maintenance, remove the battery.

### 3. GENERAL PRESENTATION OF THE MACHINE

1. Trigger button
2. Rear handle
3. Trigger lock
4. Front handle
5. Upper tree
6. Locking sleeve
7. Lower tree
8. Protection
9. Load limiter
10. Cutting thread
11. Swivel knob
12. The wheel





The images are informative, the supplier reserves the right to make structural and functional changes to the machine presented in this manual.

The battery benefits 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, with brushes
<b>Battery</b>	Li-Ion 40V 5 Ah (not included in the product)
<b>Total Power</b>	$P_w = 200 \text{ Wh}$
<b>Handle vibrations</b>	$1.69 \text{ m/s}^2$ , $K=1.5 \text{ m/s}^2$
<b>Speed</b>	6500rpm
<b>handle</b>	Loop
<b>Cutting diameter</b>	280 mm
<b>Cutting wire length</b>	4 m
<b>Wire diameter</b>	1.6mm
<b>Rod tube diameter</b>	26 mm
<b>Transmission</b>	Rigid, telescopic
<b>Weight</b>	2.95 kg



## 5. INSTALLATION GUIDE

### Mounting the protective guard fig. 2

Attach the protective guard using the screws provided

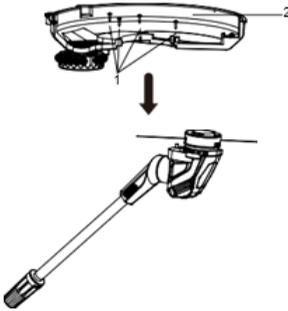


Fig. 2

### Installing and removing the battery fig. 3

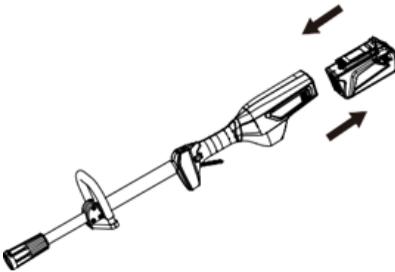


Fig. 3

Insert the battery making sure that the raised ribs on the battery match the grooves in the battery port and that the locking button on the bottom of the battery engages.



Dismantling.

Release the speed trigger to stop the trimmer.

Press the battery lock button on the bottom of the battery and remove the battery from the trimmer.

#### Mounting the shaft fig 4.

Shaft length cannot be adjusted.

Insert the lower shaft into the shaft coupling on the upper shaft.

Tighten the coupling by turning the sleeve clockwise.

Make sure the top and bottom of the shafts are tight before reinstalling the battery.

#### Trimmer start/stop fig 5.

To start the mower, grasp the front handle with one hand while holding the rear handle with the other hand, making sure to press the lock button while pressing the variable speed trigger.

To stop the mower, release the button.

#### Operation fig.6

Hold the rear handle with your right hand and the front handle with your left hand and maintain a firm grip with both hands during operation. The trimmer should be held in a comfortable position with the rear handle at hip height.

If the grass wraps around the autotcut head:

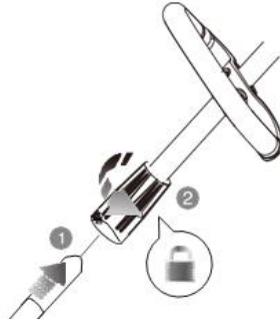


Fig. 4

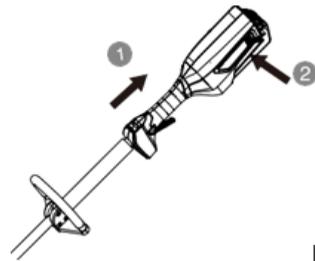


Fig. 5

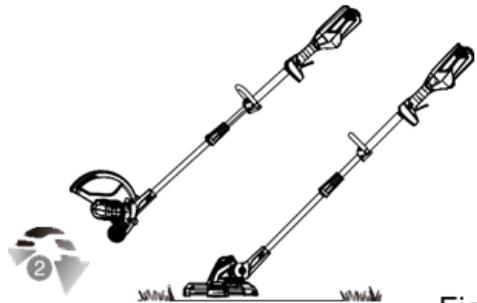


Fig. 6



- Remove the battery from the trimmer.
- Remove grass.

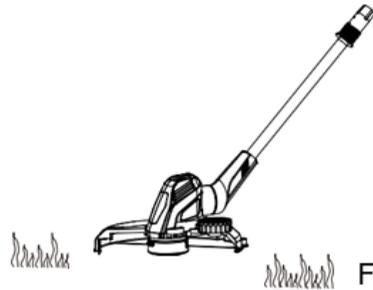
Contact with the cutting head of the trimmer during operation can result in serious personal injury.

### **Cutting tips fig 8.**

The trimmer will cut better when cutting the grass from left to right. It is less effective when mowing from right to left.

Use the tip of the cutting line to make the cut; do not force the cutting head into uncut grass.

Stone and brick walls, curbs and wood can quickly wear down the cutting line.



**Fig. 8**

Avoid the bark of trees and shrubs. They can be easily damaged by the cutting wire.

NOTE: The trimmer is equipped with an automatic autocut. Hitting the head to try to advance the thread will damage the tool and void the warranty.

- With the trimmer running, release the switch trigger.
- Wait two seconds and press the shutter button.

NOTE: The cutting line will extend approximately 0.635 cm each time the trigger is turned off and on until it reaches the length of the load limiter cutting blade.

- Resume mowing.



### Manual release of the grass cutting line.

Fig 7.

Remove the battery.

Press the black button located on the cutting head while pulling the cutting line to manually release the cutting line.

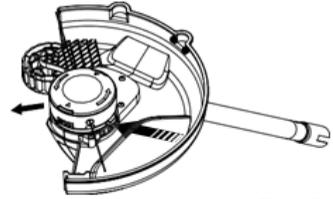


Fig. 7

After extending a new cut line, always return the machine to its normal operating position before starting.

### Adjustable cutting diameter

Fig 9.

Rotate the plant guard to the working position to avoid accidentally cutting flowers or plants.

Remove the battery.

Adjust the "cut limiter" on the grass deflector to adjust the cutting diameter. There are 2 diameter options: 30 cm, 25 cm.

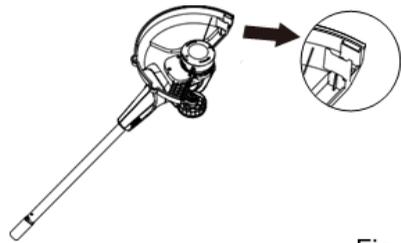


Fig. 9

Note: A smaller diameter cutting path will maximize run time and cutting speed, while a larger cutting path will help complete the cutting task faster.

When servicing, use only original RURS spare parts. Use of any other parts may create a hazard or cause damage to the product.

To avoid serious personal injury, always remove the battery from the tool when cleaning or performing any maintenance.



## 6. MAINTENANCE

Before each use, inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Tighten all fasteners securely.

Avoid using solvents when cleaning plastic parts.. Use clean cloths to remove dirt, dust, oil, grease, etc.

### Replacing autocut (coil) fig 10.

Replace the original cutting wire recommended by the manufacturer for optimal performance.

Remove the battery.

Push the tabs on the side of the bobbin cover. Pull the bobbin cover up to remove it.

Remove the old coil.

To install the new coil, make sure the cutting line is caught in the slot on the new coil. Make sure the end of the cut line extends about 6 inches beyond the slot.

Install the reel so that the cutting line and slot line up with the hole in the cutting head. Insert the cutting line into the hole.

Pull the cutting line extending from the cutting head so that the cutting line is released from the spool.

Reinstall the bobbin cover by pressing the tabs into the slots and push down until the bobbin cover snaps into place.

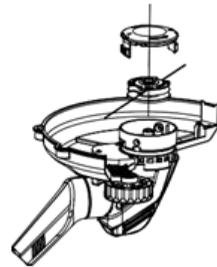


Fig. 10



### Replacing the cutting wire fig 11.

- Remove the battery.
- Remove the spool from the cutting head.

NOTE: Remove any trimming wire remaining on the spool.

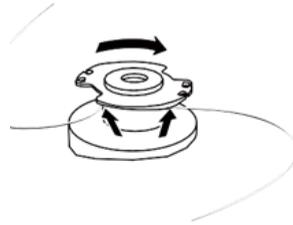


Fig. 11

Cut a piece of cutting line about 3m long. Insert the cutting wire into the anchor hole at the top of the spool. Wrap the cutting line around the top of the coil clockwise as indicated by the arrows in the picture. Place the cutting line in the slot on the top flange of the coil, leaving about 15 cm. extended. Do not overload. After winding the cut line, there should be at least 0.635 cm between the cut line of the wound and the outer edge of the coil.

### Storage.

Store the trimmer in a well-ventilated place, out of the sun, out of the reach of children.

At the end of the season, perform a general cleaning and a thorough inspection of the gear.



**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.



## 7. 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

**Description of the machine:** The **battery-operated electric trimmer** is useful for tight spaces, as well as for mowing the lawn next to bushes, curbs and joints between pavers, where it is difficult to penetrate with other large equipment.

Serial number: from xx RT3345e 0001 to xx RT3345e 9999 (Where xx represents the last two digits of the year of manufacture)

**Product:** Electric trimmer on battery

**Model:** RURIS

**Type:** RT3345e

**Motor:** Electric, with brushes

**Power:** Pw= 200 Wh

**Cutting diameter:** 280 mm

*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 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/A11:2015/ EN 60335-1:2012/A11:2014**- 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
  - **SR EN 55014-1:2017/A11:2020/ EN 55014-1:2017/A11:2020**- Electromagnetic compatibility. Requirements for household appliances, power tools and similar appliances. Part 1: Issue
  - **SR EN 55014-2:2015/ EN 55014-2:2015** – Electromagnetic compatibility. Requirements for household appliances, power tools and similar appliances. Part 2: Immunity. Product family standard
  - **SR EN IEC 61000-3-2:2019/ EN 61000-3-2:2019**- Electromagnetic compatibility (EMC). Part 3-2: Limits - Limits for emissions of harmonic currents (input current of equipment  $\leq 16$  A per phase)
  - **SR EN 61000-3-3:2014/A1:2019/ EN 61000-3-3:2013/A1:2019** – Electromagnetic compatibility (EMC). Part 3-3: Limits. Limitation of voltage variations, voltage fluctuations and flicker in public low-voltage power supply networks, for equipment having a rated current  $\leq 16$  A per phase and not subject to connection restrictions
  - **SR EN 62233:2008/ EN 62233:2008** – Methods for measuring the electromagnetic fields of household electrical appliances and similar purposes regarding human exposure
  - **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 issue: **Craiova, 19.12.2022**

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

No. reg: **1452/19.12.2022**

**Authorized person and signature:**

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

1



## DECLARATION OF CONFORMITY **EC**

**Manufacturer:** SC RURIS IMPEX SRL

Bldv. 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

---

**Description of the machine:** The **battery-operated electric trimmer** is useful for tight spaces, as well as for mowing the lawn next to bushes, curbs and joints between pavers, where it is difficult to penetrate with other large equipment.

Serial number: from xx RT3345e 0001 to xx RT3345e 9999 (Where xx represents the last two digits of the year of manufacture)

**Product:** Electric trimmer on battery

**Model:** RURIS

**Type:** RT3345e

**Motor:** Electric, with brushes

**Power:** Pw= 200 Wh

**Cutting diameter:** 280 mm

---

Measured sound power level: **94 dB(A)** Guaranteed sound power level: **96 dB(A)**

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

21SHX0067-02 of 12.09.2022 in accordance with the provisions of Directive 2000/14/CE and SR EN ISO 3744:2011

---

*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.*

**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 3744:2011** - Acoustics. Determination of sound power levels emitted by noise sources using sound pressure
- **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 complies with the original. Validity period: 10 years from the date of approval.

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

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

No. reg: **1453/19.12.2022**

---

**Authorized person and signature:**

Ing. Stroe Marius Catalin

Director General of

SC RURIS IMPEX SRL