

# WELDING GOGGLES

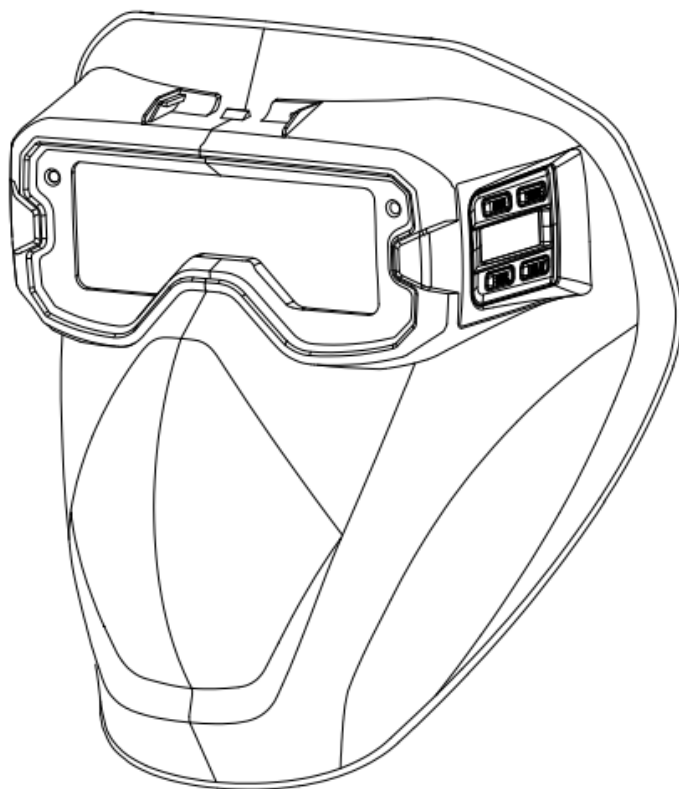
**2** YEAR  
PRODUCT  
WARRANTY

Auto Darkening Welding Goggles & Mask Kit



**RWX 1000**

RAZORVIEW SERIES 2020



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**Please read and understand all instructions before using.**

- Be sure that the dark shade of the lens in the welding helmet is the correct shade number for your application.
- The RWX1000 Welding Goggles are not suitable for “overhead” welding application, laser welding, or laser cutting applications.
- The RWX1000 Welding Goggles is designed to protect the eyes and face from sparks, spatter, and harmful radiation under normal welding conditions.
- The RWX1000 Welding Goggles do not provide unlimited eye, ear and face protection. If you are uncertain, do not use this product as misuse may result in serious injury. These goggles provide protection against the hazards of welding, but are not designed or intended to be used without other appropriate personal protective equipment (PPE). Additional PPE is required for all other areas of exposed skin, such as face and neck.
- The RWX1000 Welding Goggles will not protect against explosive devices or corrosive liquids. Machine guards or eye splash protection must be used when these hazards are present.
- Impact resistant, primary eye protection spectacles or goggles that meet current Approved specifications, must be worn at all times when using these welding goggles.
- Avoid work positions that could expose unprotected areas of the body to spark, spatter, direct and/or reflected radiation. Use adequate protection if exposure cannot be avoided.
- Before each use, check that the protection plates are clean and that no dirt is covering the sensors on the front of the lens.
- Inspect all operating parts before each use for signs of wear or damage. Any scratched, cracked, or pitted parts should be replaced immediately.
- Do not make any modifications to either the Welding Goggles, other than those specified in this manual.
- Do not use any replacement parts other than those specified in this manual. Unauthorized modifications and replacement parts will void the warranty and expose the user to the risk of personal injury.
- If this lens does not darken when striking arc, stop welding immediately and check the lens is in Weld Mode and not Grind Mode. If the issue persists, contact your local JASIC Technologies America Inc Service Department.
- Do not immerse the RWX1000 Welding Goggles in water.
- Do not use any solvents on any lens or mask components.
- The recommended operating temperature range for welding lens is -10°C to 65°C (14°F-149°F). Do not use this device beyond these temperature limits.
- Never place these Welding Goggles and auto-darkening filter on a hot surface.
- The Welding Hood included in this kit is flame-retardant. This welding hood does not provide protection against molten metals.
- Failure to follow these warnings and/or failure to follow all of the operating instructions could result in severe personal injury.

# FEATURES

**RWX 1000**

The RWX1000 Welding Goggles provide protection to your face and eyes from spatter and UV/IR radiation. Fitted with 2 arc sensors, the RWX1000 Welding Goggles provide 5-13 Shade control as well as GRIND mode for use when grinding.

The RWX1000 Welding Goggles feature True Color Lens Technology, ensuring you always get a clear and natural view of your surroundings and workpiece.

The RWX1000 Welding Goggles have been designed to be versatile in their usage. There is room under the mask to fit a Standard Half-Mask Respirator. The mask itself can also be removed, so that only the goggles can be used. In addition, the goggles also feature an alternate elastic headband, giving you multiple options to wear the goggles as desired.

## TECHNICAL DATA

### TECHNICAL SPECIFICATIONS

**Filter Dimensions• 171.5x77.5mm ( 6.75" x 3.05")**

**View Size• 110x40mm (4.33" x 1.57")**

**Arc Sensors• 2**

**Classification• 1/1/1/2**

**Light State• 3**

**Dark State• 5-9 / 9-13**

**UV/IR Protection• DIN15**

**Time from Light to Dark• 0.08ms**

**Time from Dark to Light• 0.1-0.9s**

**Sensitivity Delay• Adjustable (External)**

**Power Supply• Solar Cells & CR2450 Replaceable Battery**

**Warranty• 2 Years**

**Operating Temperature• -10 °C to 65 °C (14 - 149 Degrees F)**

**Storage Temperature• -20 °C to 85 °C (-4 - 176 Degrees F)**

**Shade Control• Yes (External)**

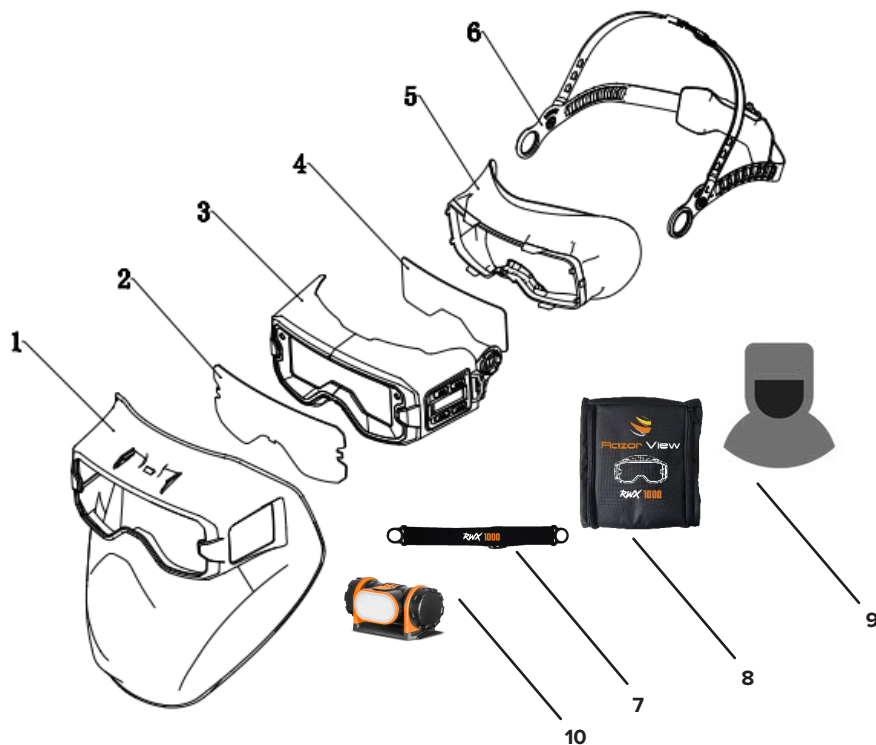
**Grind Mode• Yes (External)**

**Minimum TIG Amperage• 5A**

**Standards• AS/NZS 1337.1-2010, AS/NZS 1338.1-2012, CE, ANSI, CSA**

# PARTS BREAKDOWN

**RWX 1000**



#	SKU	DESCRIPTION
1	RV210011	Auto Darkening Goggles Shell
2	RV210012	Auto Darkening Goggles Outer Lens
3	RV21001	Auto Darkening Goggles
4	RV210014	Auto Darkening Goggles Inner Lens
5	RV210015	Auto Darkening Goggles Silicone Padding
6	RV210016	Auto Darkening Goggles Plastic headband
7	RV210017	Auto Darkening Goggles Elastic Headband
8	RV210019	Auto Darkening Goggles Bag
9	H000	Welding Hood (May differ from illustration)
10	RV210013	Auto Darkening Goggles LED Light

# OPERATING INSTRUCTIONS

# RWX 1000

## BEFORE USING

- Check the inside & outside protection lens are clean and that no dirt is covering the sensors on the front of the goggles.
- Make sure the protection films on both inside & outside protection lens are removed.
- Inspect all operating parts for signs of wear or damage. Any scratched, cracked, or damaged parts should be replaced immediately.

## SLEEP MODE

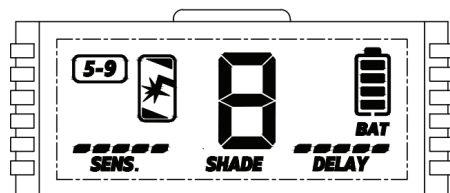
- The goggles have a sleep function to save power. When in WELD MODE, after 30 minutes of no activity sleep mode will be activated;
- Any movement or pushing any button will return the goggles back to an active state.

## MEMORY

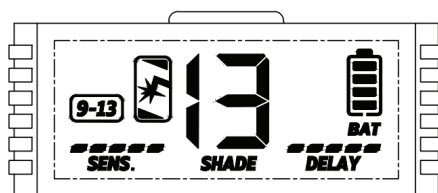
- The goggles will remember the last shade setting used by the operator after setting up. After returning to an active state from sleep mode, the goggles will show the last used shade.

**Note:** CUT MODE and GRIND MODE won't be recorded.

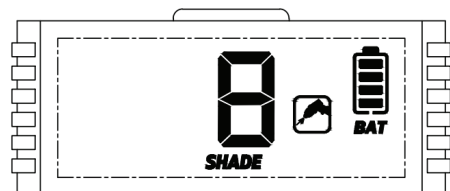
## DISPLAY SCREEN



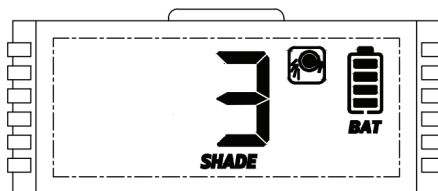
WELD Mode (5-9)



WELD Mode (9-13)



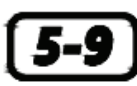








CUT Mode (5-8)



GRIND Mode (3)

## DISPLAY ICONS

				
1. Battery Status	2. WELD Mode	3. Shade 5-9	4. Shade 9-13	5. Sensitivity (1-5)
				
6. Delay (1-5)	7. Shade Setting	8. CUT mode	9. GRIND Mode	

## MODES

- The goggles have 4 function modes:
  - » WELD MODE (Shade range 5-9).
  - » WELD MODE (Shade range 9-13).
  - » GRIND MODE.
  - » CUT MODE.
- In WELD MODE, 3 functions can be adjusted; Sensitivity, Shade and Delay.
- Press the MODE button on the goggles to cycle between WELD MODE and CUT MODE.
- Within any mode, press and hold the GRIND button for 2 seconds and release to change to GRIND MODE. Press and hold the GRIND button for 2 seconds and release to change back to welding and cutting modes.

## VARIABLE SHADE CONTROL

- To change the shade in welding and cutting modes, press the SHADE button once and Icon 7 will start flashing. Once Icon 7 is flashing, press the SHADE button again to cycle through the different shades.
- Note: Choose an optimum Shade number for the required welding process or application (see back cover).
- If the goggles do not darken when striking an arc, stop welding immediately and contact the service department.

# OPERATING INSTRUCTIONS

**RWX 1000**

## SENSITIVITY CONTROL

- The responsiveness to different light levels in various welding processes can be adjusted in the range 1-5 (from low to high). Sensitivity only can adjusted be in welding modes.
- To change the sensitivity in WELD MODE, press the SENS. button once and Icon 5 will start flashing. Once Icon 5 is flashing, press the SENS. button again to cycle through the different shades.
- **1 (Low):** The photo-sensitivity changes to be lower.
  - » Suitable for high amperage welding and welding in bright light conditions (lamp light or sun light).
- **5 (High):** The photo-sensitivity changes to be higher.
  - » Suitable for low amperage welding and welding in poor light conditions.
  - » Suitable for welding with steady arc process such as TIG welding.
  - » Under normal use, a higher sensitivity setting is recommended.

## DELAY CONTROL

- The length of time delay for the goggles to return to a light state after welding can be adjusted in the range 1-5 (for 0.1-0.9s). The time delay is for the protection of welder's eyes from strong residual rays after welding.
- To change the delay in WELD MODE, press the DELAY button once and Icon 6 will start flashing. Once Icon 6 is flashing, press the DELAY button again to cycle through the different shades.
- **1 (0.1s):** The time taken for the goggles to lighten after welding becomes shorter. The shortest time is about 0.1s depending upon welding point temperature and shade set. This setting is ideal for track welding or production welding with short welds.
- **5 (0.9s):** The time taken for the goggles to lighten after welding becomes longer. The longest time is about 0.9s depending upon welding point temperature and shade set. This setting is ideal for welding at high amperage where there is an afterglow from the weld.

## GRIND MODE SELECTION

- Select GRIND mode by pressing and holding the "GRIND" button for 2 seconds and releasing, on the right side of the goggles. Icon 9 will display when GRIND mode is active. An orange light on the inside of the goggles will also start to flash.

**Note: Do not weld in the GRIND mode, the goggles will not darken.**

## CUT MODE SELECTION

- Press the MODE button to cycle to the CUT MODE. Icon 8 will display when CUT mode is active.
- To change the shade in CUT MODE, press the SHADE button once and Icon 7 will start flashing. Once Icon 7 is flashing, press the SHADE button again to cycle through the different shades (5-8).

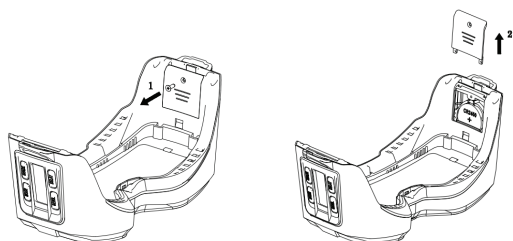
**Note: Do not weld in the cutting mode.**



# OPERATING INSTRUCTIONS

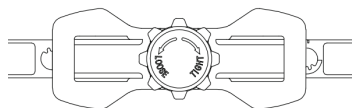
**RWX 1000**

## POWER SUPPLY AND CHANGING THE BATTERY

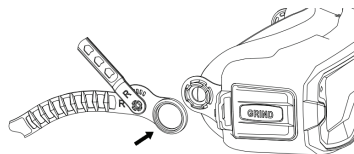


- The power of the goggles is provided by a replaceable battery, CR2450.
- Icon 1 will flash when the battery is low and a replacement is needed.
- Loosen the screw on battery cover with a screwdriver to remove the battery cover. Take the battery out and replace with a new battery; Replace the cover and tighten the screw with a screwdriver.

## HEADGEAR ADJUSTMENT AND CHANGING ELASTIC HEADGEAR

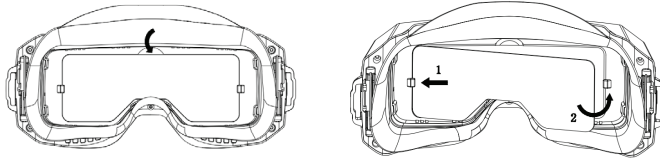


- Headgear of the goggles can be adjust by turning the Headband tightness adjusting knob.



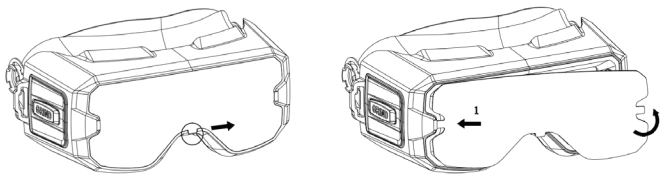
- Plastic headgear of the goggles can be changed to elastic headgear.
  1. Pull out the lock catch of the plastic headgear on both sides of goggles directly, then remove the plastic headgear from the goggles.
  2. Push the lock catch both side of elastic headgear on to the goggles;
  3. Elastic headgear can be changed back to plastic headgear in same way.

## REPLACING THE INNER LENS



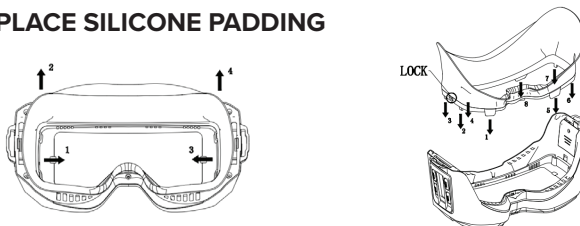
- The Inner lens is a protective lens and must be replaced if broken, damaged or covered with welding spatter to the extent that vision is impaired.
- Remove inner lens from the goggles.
- Insert a new inner lens to Position 1 and position 2 of the goggles.
- The user must always make sure the lens is fitted properly and there are no visible gaps.

## REPLACE OUTER PROTECT LENS



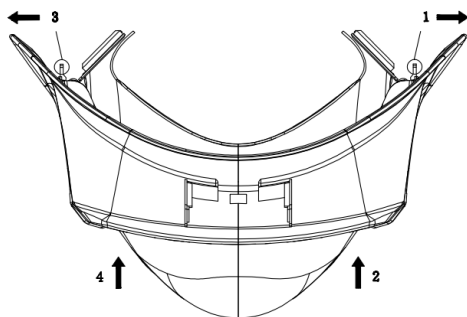
- The outer lens is a protective lens and must be replaced if broken, damaged or covered with welding spatter to the extent that vision is impaired.
- Remove outer lens from the goggles.
- Insert a new outer lens to position 1 and position 2 of the goggles.
- The user must always make sure the lens is fitted properly and there are no visible gaps.

## REPLACE SILICONE PADDING



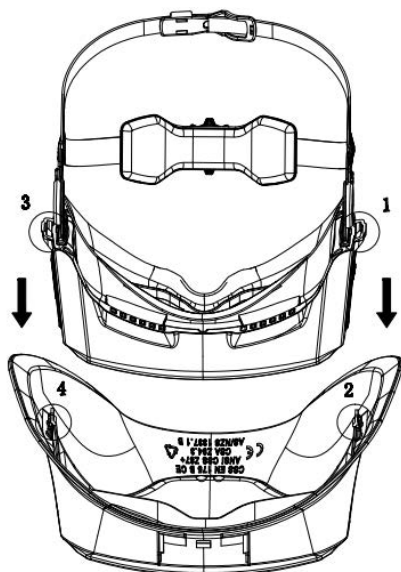
- The silicone padding can be replaced if broken, damaged or covered with welding spatter.
- Pull the silicone padding at position 1 and position 3 towards the centre of the goggles, then pull up the silicone padding at position 2 and position 4.
- Insert a new silicone padding into the goggles and lock well.
- The user must always make sure the silicone padding is fitted properly.

## REMOVING THE GOGGLE FROM THE MASK



- The Goggle itself can be easily removed from the face Shield by following these simple instructions.
- Press the Tag outwards as shown in Position 1, at the same time press the outside Top corner of the goggle inwards, (position 2) The goggle will break away from the face mask at this side.
- Perform the same operation on the other side as shown in position 3 and position 4
- The Goggle will now be removed from the Face Shield section of the mask.
- Be sure to clean the outside protection Lens after this operation to ensure that any finger prints or other marks are removed

## REPLACING THE GOGGLE BACK INTO THE MASK



- The Goggle itself can be easily replaced back into the face Shield by following these simple instructions.
  - Line up the Tags (Pos 1 & 3) with the slots (Pos 2 & 4)
- Press the Goggle forwards so the tags engage into the slots and you will hear a "click" as it fits back in securely.
- The Goggle will now be replaced back correctly into the Face Shield section of the mask.
- Be sure to clean the outside protection Lens after this operation to ensure that any finger prints or other marks are removed

# OPERATING INSTRUCTIONS

The logo for the RWX 1000 welding goggles, featuring the letters 'RWX' in a stylized, jagged font followed by the number '1000'.

## MAINTENANCE

- The Welding Goggles need little maintenance. Use a clean, soft piece of cloth, moistened with soap / commercial disinfectant to wipe the inside and the outside of the goggles then dry.
- **Note:** Do not immerse the Goggles or Mask in water directly.

## TROUBLESHOOTING

PROBLEM	RESOLUTION
The goggles do not darken when welding.	<ul style="list-style-type: none"><li>• Stop welding or cutting immediately.</li><li>• Make sure the sensors are facing the arc and no obstructions.</li><li>• Check the mode that is on WELD, not GRIND.</li><li>• Review sensitivity recommendations and adjust sensitivity if possible.</li><li>• Replace the battery if necessary.</li></ul>
The goggles stay dark after welding or if there is no arc present.	<ul style="list-style-type: none"><li>• Adjust the sensitivity to a lower level (Level 1).</li><li>• If the work place is extremely bright, it is recommended to reduce the surrounding light level.</li></ul>
The goggles switch during the welding.	<ul style="list-style-type: none"><li>• Increase the sensitivity if possible.</li><li>• Make sure the sensors are facing the arc and no obstructions.</li><li>• Increase Delay 0.1 – 0.3 second may also reduce switching.</li></ul>
Inconsistent shade number on the corner of the goggles.	<ul style="list-style-type: none"><li>• It is a natural feature and will not be dangerous for the eyes.</li><li>• In order to get a maximum comfort, try to keep a view angle at around 90°.</li></ul>

## WARRANTY

JASIC Technologies America Inc is pleased to offer a 2 year warranty on the RWX 1000 Welding Goggles. JASIC Technologies America's focus is to ensure that the buyer is getting reliability, performance and peace of mind when using one of our quality products. We can be contacted on [sales@razorweld.com](mailto:sales@razorweld.com), via our Website [www.razorweld.com](http://www.razorweld.com) or by Phone on 253-859-6277 or 253-859-6278

