

SurgiMag Loupes

Instructions For Use



Read this user manual thoroughly before use, and keep it handy so you can always find it when you need it.

Preface











The contents and specifications herein are subject to change without prior notice, and SurgiMag Co., Ltd. assumes no responsibility for consequences resulting from inaccuracies or typos, if any.

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About Symbols

The following terms or symbols are used on the device or herein to indicate especially important information.

	Check the manufacturer name		Date of manufacture
	Catalog number		Lot Number
	Limited operating temp		Fragile - handle with care
	CAUTION! Notification of important operating and maintenance instruction		Serial number
			Beware of rain/moisture
	Instructions for use		

About Authorization

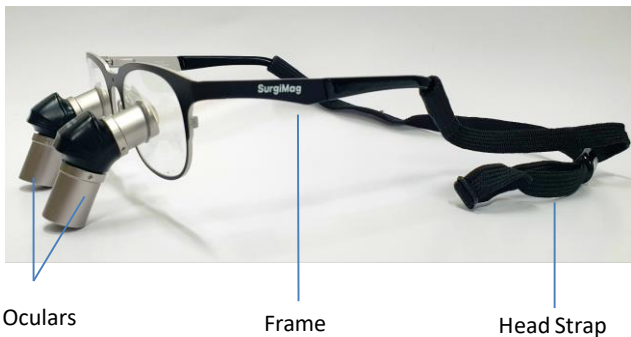
This is a medical equipment. Authorized to manufacture by and reported to Ministry of Food and Drug Safety as follows:

Manufacturing Authorization Number	Je 7575
Manufacturing Item Report Number	Jesin 22-298
Item Family	General medical equipment
Rating	Class 1
Item	Speculums for medical use
Item Name	A31030.01 Medical microscope
Model Name	Pentamag
Manufacturer	SurgiMag Co., Ltd.
Country of Manufacture	Republic of Korea
Address	(Palbok-dong 2-ga)-104, 34, Sangni 1-gil, Deokjin-gu, Jeonju-si, Jeollabuk-do, 54882, Rep.of KOREA
Authorized EC Representative	Advena Limited. Tower Business Centre, 2nd Flr., Tower Street, Swatar, BKR 4013 Malta.

Introduction

Your Surgimag™ loupe contains these primary contents

Check the following information to ensure that all components are present.



Accessories Included

Head Strap, Lens Cleaning Cloth, Optical Screwdriver

Please take special attention during unpacking to verify all components listed above are present. Please call one of our Customer Care Specialists or your authorized Surgimag distributor to order replacement parts.

Precautions

1. Before use, ensure all screws and removable components are secured to the device.
2. DO NOT
 - Do not use the device if any part is damaged, loose, detached or missing. This includes the carrier lens, telescope, temple arms, nose pads. Damaged, missing, deformed or worn parts must be replaced immediately. Should such repair or replacement become necessary, SURGIMAG OR AN AUTHORIZED SERVICE DEALER SHOULD PERFORM ALL REPAIRS TO THIS PRODUCT.
 - Do not disassemble or modify the device.
 - Do not apply shock to the product. Due to the nature of optical products, applying an impact may cause a failure.
 - Do not spray directly onto the device.
 - Do not place the lens on sharp objects and always use the case provided for storage.
 - Do not place corrosive substances such as acids and alkalis nearby.

Warnings

1. Never stare directly at the sunlight, lasers, etc. while wearing the loupe. Risk of blindness.

2. Be aware that if you walk or run while wearing the loupe, you may fall because it is out of focus.

How to Use

1. Before use, read the precautions in the user manual carefully before using the product properly.
2. Adjust nose pads. Move the frame slightly away from the face/eyes to minimize fogging.
3. Sit at the measured working distance.
4. Slowly approach the magnified image until you feel comfortable.
5. Make sure the frame fits snugly against your nose by not placing it too close to your eyes.

Loupe Tuning Before Use

Although the loupes have been thoroughly inspected and adjusted in our laboratory, you should first read the following guide to learn how to adjust and maintain according to each user's facial structure.

Leveling the Frame

Ensuring the frame sits level on your face is crucial. Before any other fine-tuning adjustments can be made, your frame must sit level on your face..

1. Place the frame on your head while in front of a mirror to level the top of the frame with the pupils of your eyes.
2. If you cannot level the frame and pupil, please visit your local eyewear store to adjust the frame or contact our technical support specialists for assistance.



Attempting to adjust the frame beyond what is defined in these instructions may damage the frame.

Adjust the Nose Pad

The nose pad on most frames is adjustable. Adjusting the nose pad will change how the frame sits on your nose and allow you to properly see through the telescopes.

- To lower the frame on your face, spread the nose pad apart.
- To raise the frame on your face, pinch the nose pad together.
- If the frame is not centered on your face, bend one nose pad or the other as needed until the frame is centered.
- Flatten or twist the ends of the nose pad for additional comfort.

Adjust the Temple Tips and Head Strap

Adjusting the temple tips and head strap is commended to help distribute weight around your head for additional comfort.

1. Place the loupe on your head and bend the temple tips to conform to the shape of your head and down behind your ears if desired. The temple tips are designed to maintain your desired adjustments.
2. Tighten the head strap bead behind your head. Your loupe should fit comfortably with minimal pressure on your nose.
3. To take off your loupe, loosen the head strap bead, grasp both temple arms, and pull the frame up and over your head.



Removing your loupe by grasping a single temple arm may put additional stress on the frame over time.

User's vision

When properly focused, the two circles forming the field of view should become elliptical and come into focus. Since each user has a different face shape, the preset angle of convergence may not suit the user's eyes properly. If you experience blurred vision, double vision or eyestrain, reposition the frame by adjusting the nose pads, temple tips and head strap until your vision is clear.

Management

Cleaning and Disinfection

The loupe is delicate and should be cleaned and disinfected according to the instructions below. Otherwise, the device can be damaged.

- Use isopropyl alcohol with a concentration of 70% or less
- Wet soft cotton or cloth with a disinfectant solution and wipe the equipment. Remove excess liquid from the cloth or cotton by squeezing it out before use.
- Wet a soft cloth with a neutral detergent, wipe the outside of the equipment and let it dry.



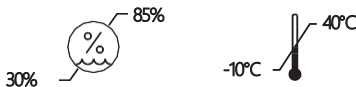
Caution

- Do not run any part of the device under water or submerge it in any liquid or an ultrasonic cleaner.
- Do not use an autoclave, glutaraldehyde, iodophor, or any other sterilization method.
- Do not use a cleaner with alcohol concentration greater than 70%.
- Do not use paper towel to clean the lenses.

Storage

- Store in a dry place with temperature of 0 - 40 °C (32 - 104 °F) away from direct sunlight, and not affected by, temperature, or humidity.
- Store in a location not affected by air containing dirt, salt, and/or ions.
- Store in a location not affected by vibration, shock, etc.

	Operates	Does Not Operate
Ambient Temperature	0 - 40 °C (32 - 104 °F)	-10 - 40 °C (14 °F - 104 °F)
Relative Humidity	30 - 85%	30 - 85%



Quality Assurance

If the product fails during use, you can receive complimentary service one year from the date of purchase. However, if the failure is caused by customer error or natural disaster, service will be charged for even within the warranty period.

Service is charged for when:

- 1 year has passed from the date of purchase.
- The product has been disassembled, repaired, or modified by a person other than an authorized technician.
- The product has failed because the safety precautions herein were not followed.
- The product has failed due to user negligence.

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