

Custom Surgical®

MicroREC

USER MANUAL

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For more details, visit our website: customsurgical.co

Table Of Content

1. **A Thank You Note** 3
2. **Package Contents** 4
   a. MicroREC Components (Without Our Beam Splitter) 4
   b. MicroREC Components (With Our Beam Splitter) 5
3. **Adapter Models** 6
4. **How To Install A MicroREC** 7
   a. Install A MicroREC Without Our Beam Splitter 7
   b. Install A MicroREC With Our Beam Splitter 11
5. **MicroREC App** 14
   a. How to download 14
   b. How to create your account 15
   c. How to use 16
6. **Cleaning And Maintenance** 17
7. **FAQs And Troubleshooting** 18
8. **Warnings And Safety** 20
9. **Warranty** 21
   a. How to claim your warranty 21
   b. Activate your warranty 22
10. **Further Help And Contacts** 23

TABLE OF CONTENT

A Thank You Note

Dear Customer,

We at Custom Surgical are on a mission to democratize medical technology by providing innovative affordable devices and software. We enable doctors to become more independent from hospitals, but also to cover more patients and connect globally, through telemedicine and remote medical consultation.

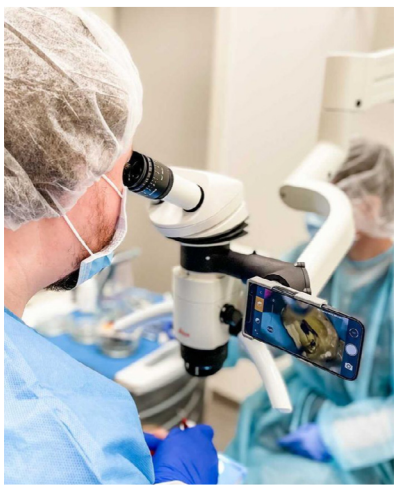
The product you now keep in your hands is the result of the work of our bright team consisting of medical engineers, software developers, and product designers located in 7 countries globally. But even more importantly, it's the result of the work of surgeons like you from more than 40 countries who so far purchased our product, used it for surgery recording and diagnosis, and shared their valuable feedback. We need to stay in touch with physicians and help them solve the real problems they face every day.

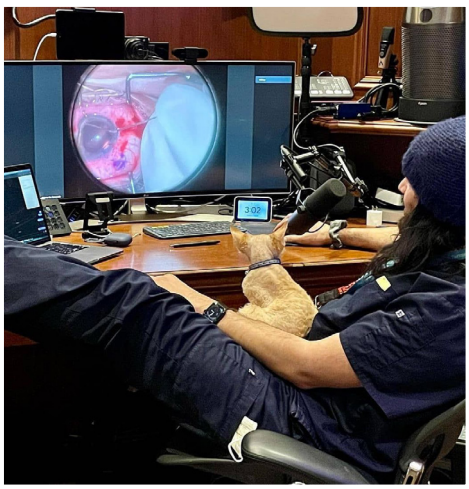
That's why we want to welcome you to our community! Feel free to connect with us and other surgeons, text us anytime, and share your imagery:

Website: customsurgical.co
Email: info@customsurgical.co
Instagram: @customsurgical
LinkedIn: @custom-surgical-1

Thanks for the important job you do!
CS Team





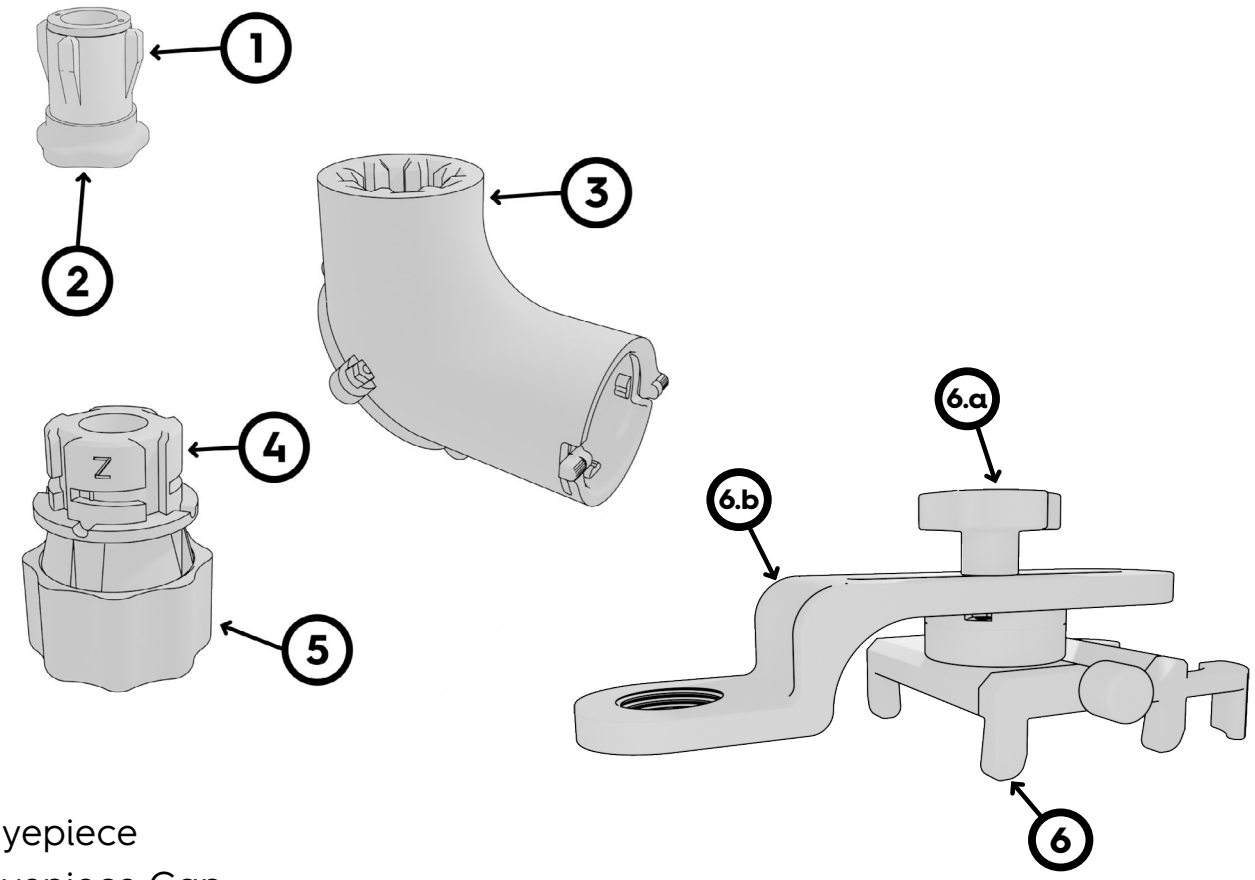


THANK YOU NOTE

Package Contents

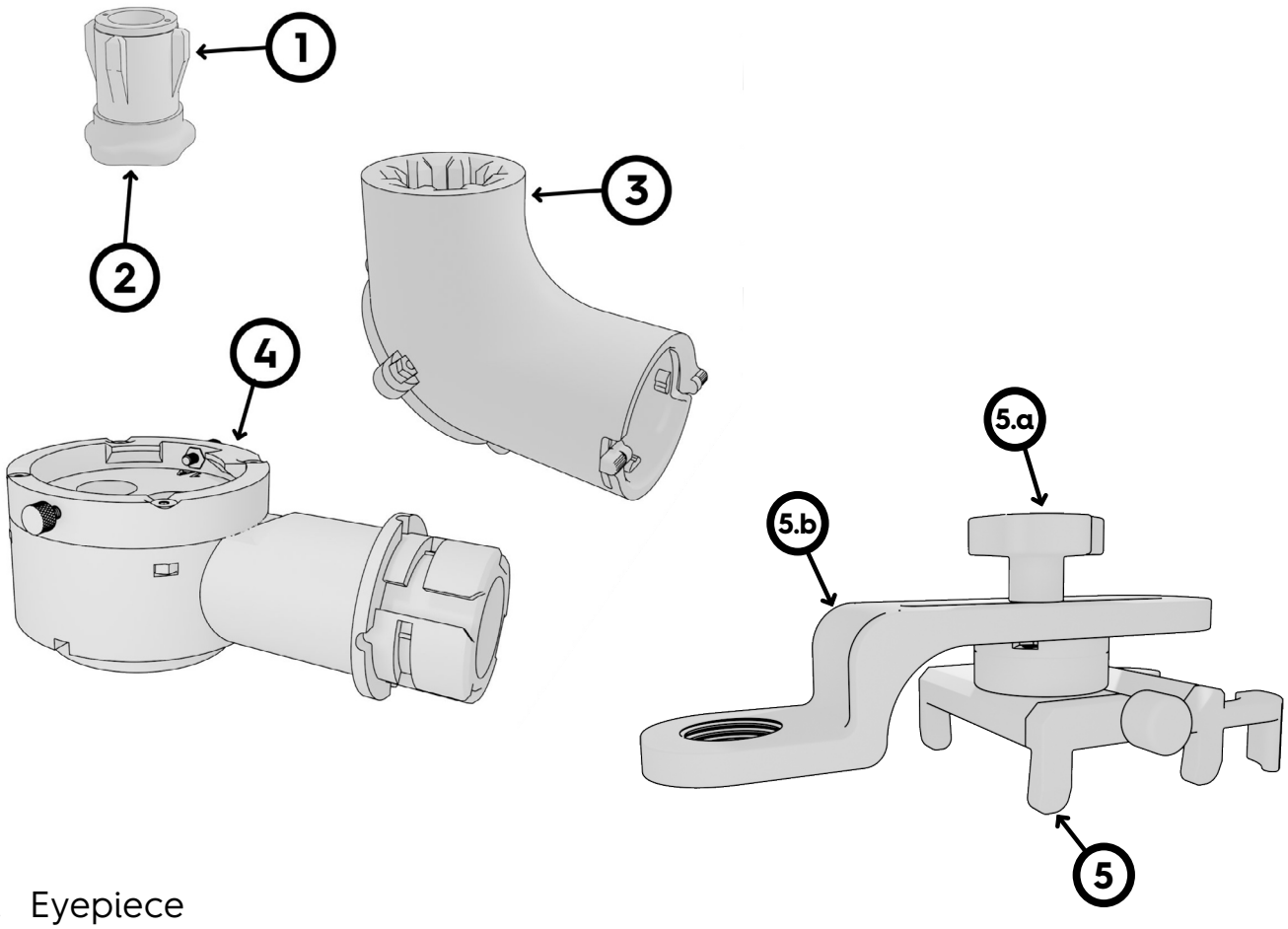
Depending on whether you purchased a MicroREC with or without our beam splitter, your package contents might be different.

MicroREC Components (Without Our Beam Splitter)



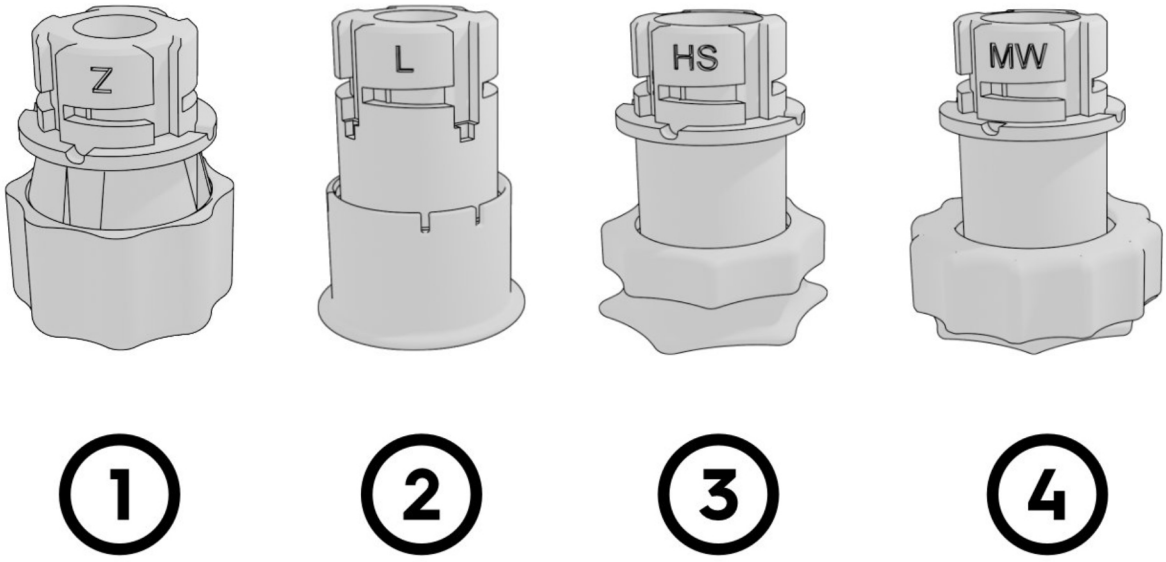
1. Eyepiece
2. Eyepiece Cap
3. Universal Tube
4. Microscope / Slit Lamp Adapter
5. Adapter Cap
6. Universal Holder
   a. Universal Holder Knob
   b. Universal Holder Arm

MicroREC Components (With Our Beam Splitter)



1. Eyepiece
2. Eyepiece Cap
3. Universal Tube
4. MicroREC Beam Splitter
5. Universal Holder
   a. Universal Holder Knob
   b. Universal Holder Arm

Adapter Models



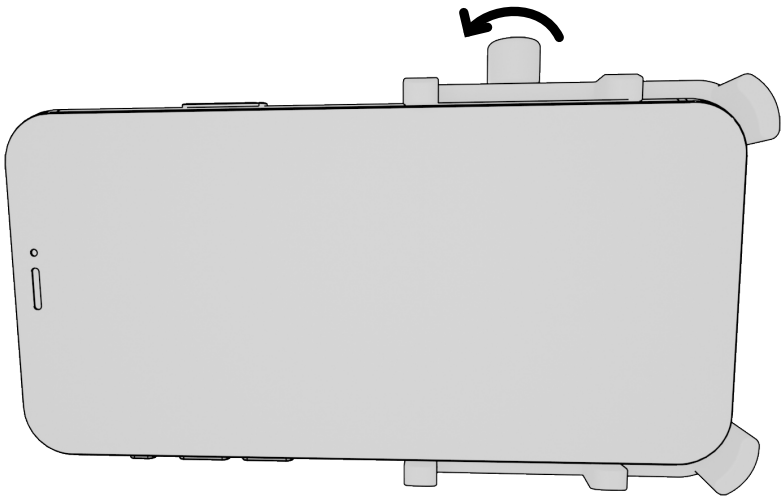
1. **Z:** Compatible with Zeiss Microscopes and Slip Lamps; Takagi Microscopes and Slit Lamps; Topcom, CSO, Keeler, Nidek, Huvitz and many other Slit Lamps.
2. **L:** Compatible with Leica Microscopes.
3. **HS:** Compatible with Haag-Streit Slit Lamps.
4. **MW:** Compatible with Möller-Wedel and Haag-Streit Surgical Microscopes.

How To Install A MicroREC

Installation process depends on whether you purchased a MicroREC with our beam splitter or your microscope already had a beam splitter.

Install A MicroREC Without Our Beam Splitter

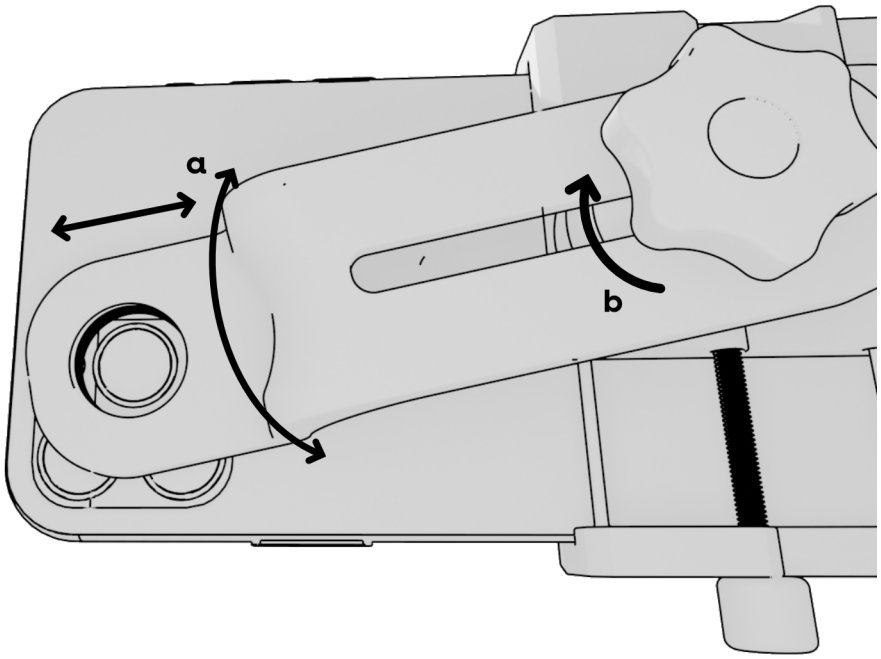
1. Install the phone in the Universal Holder and screw the knob to hold it in place as it is shown in the image below.



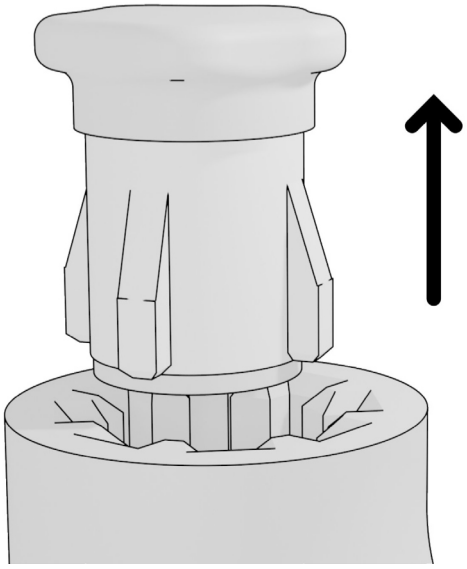
2.

a. Align and center the Universal Holder's arm with the camera of the phone.

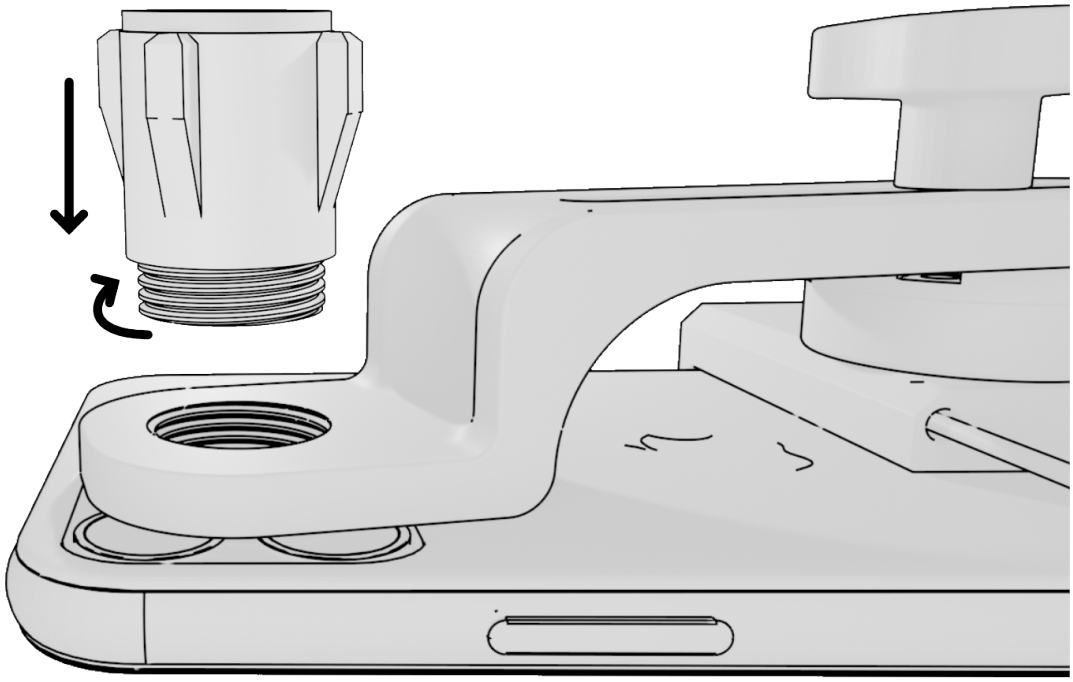
b. Tighten the knob to hold it in place.



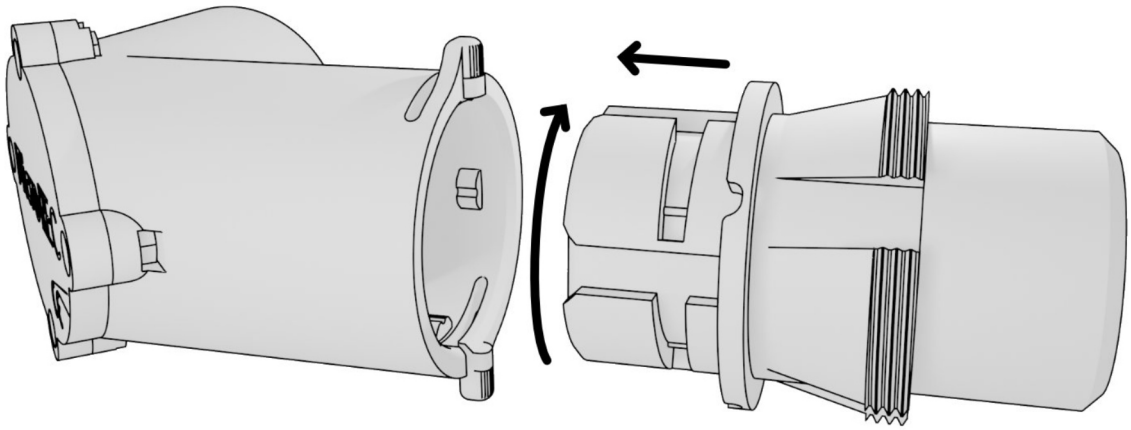
3. Remove the eyepiece by pulling it from the cap, then unscrew the protective cap.



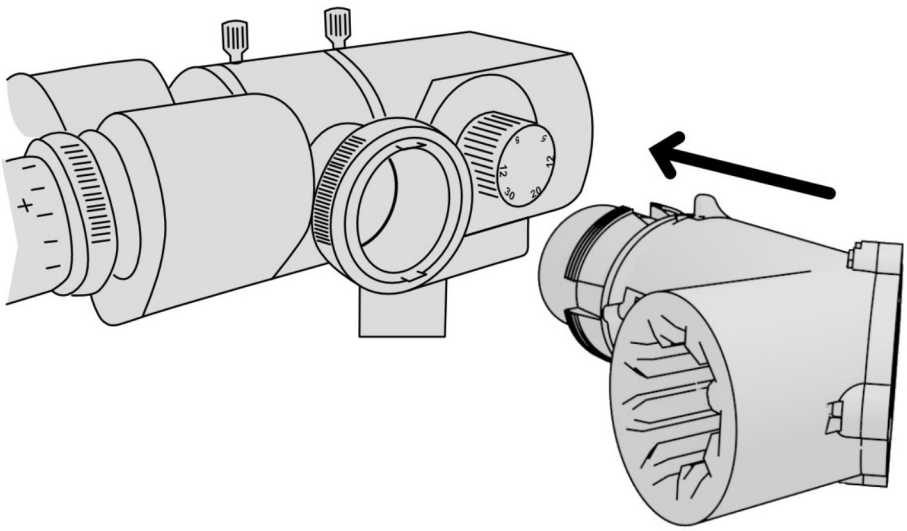
4. Insert and screw the eyepiece into the Universal Holder.



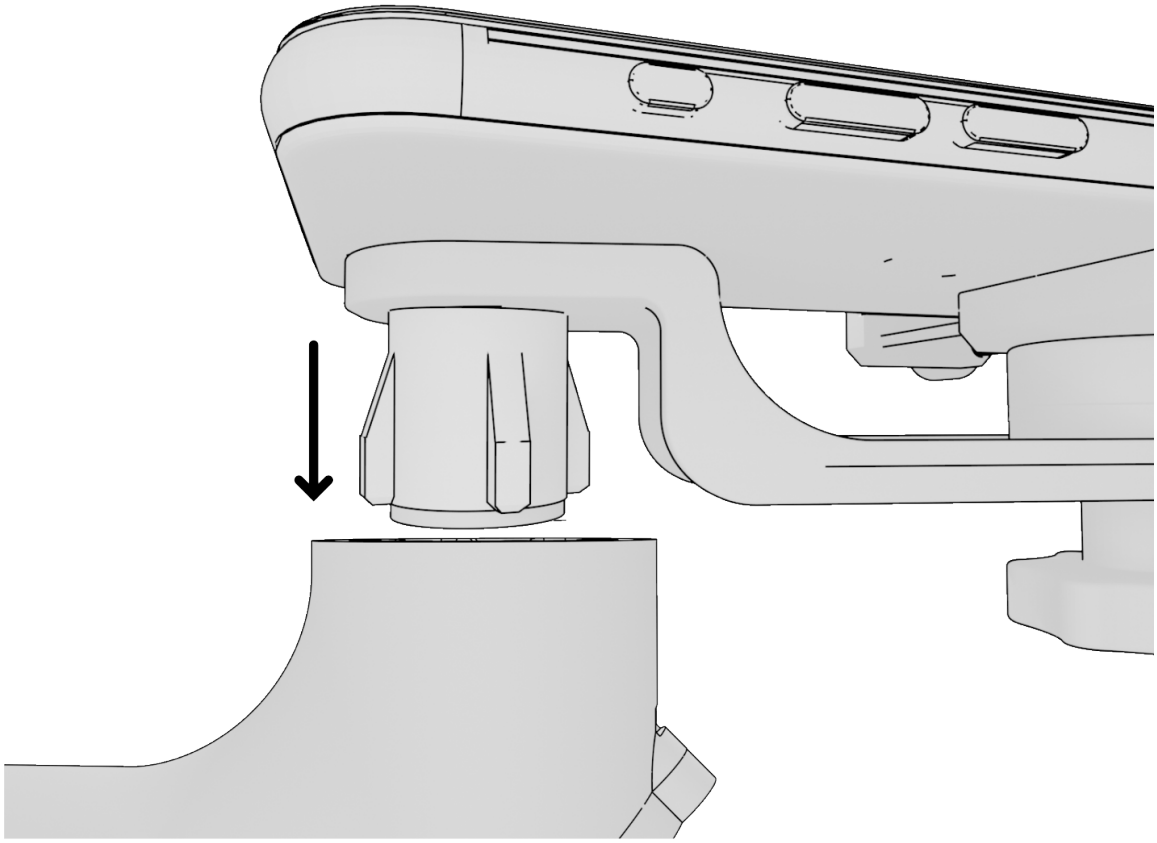
5. Unscrew the cap from the coupler. Insert the coupler in the Universal Tube, then twist it to lock it.



6. Insert the MicroREC into your Microscope/Slit Lamp's Beam Splitter.

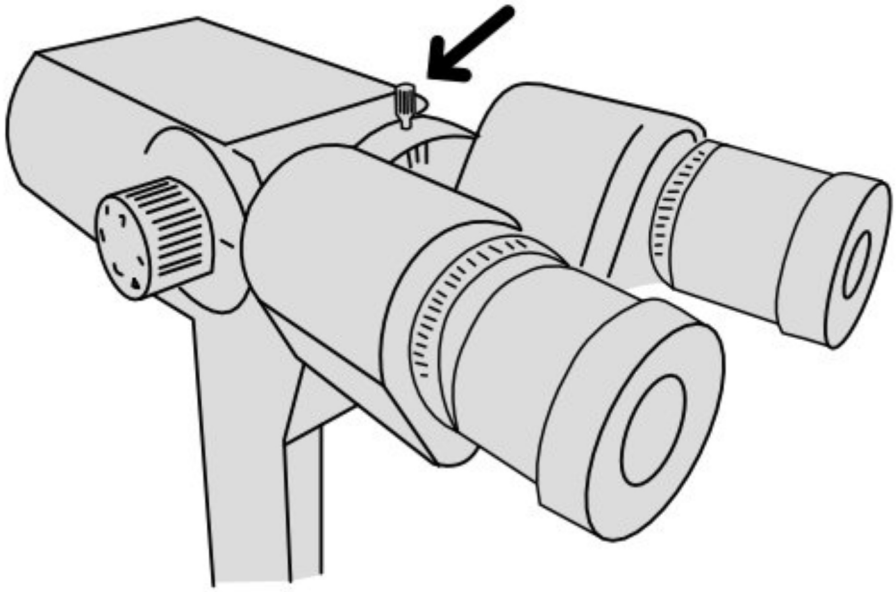


7. Insert the Universal Holder with the eyepiece back into the Universal Tube.

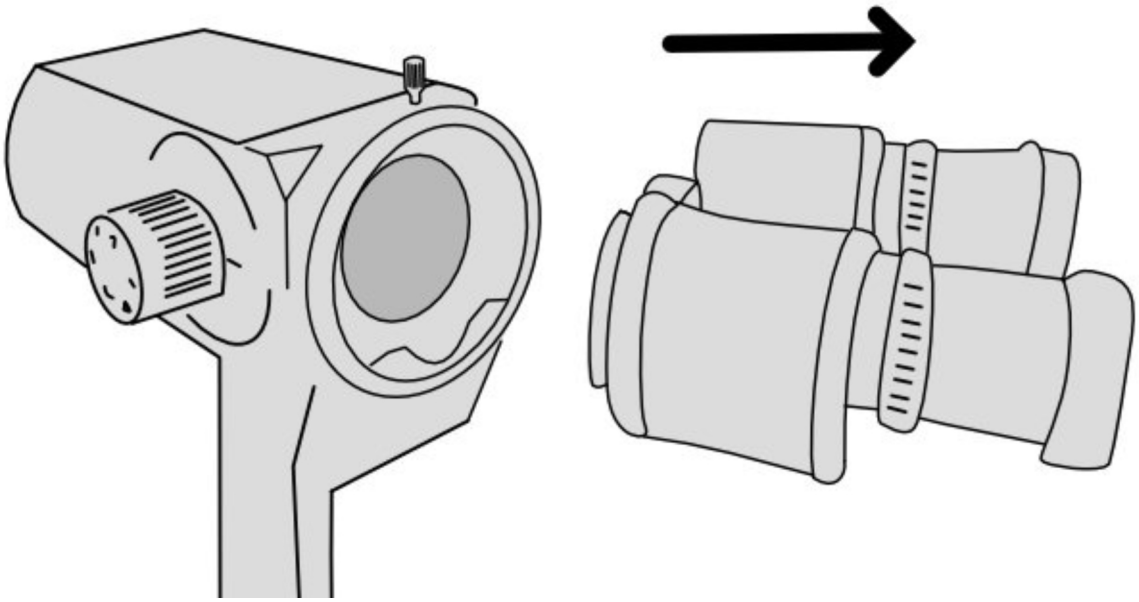


Install A MicroREC With Our Beam Splitter

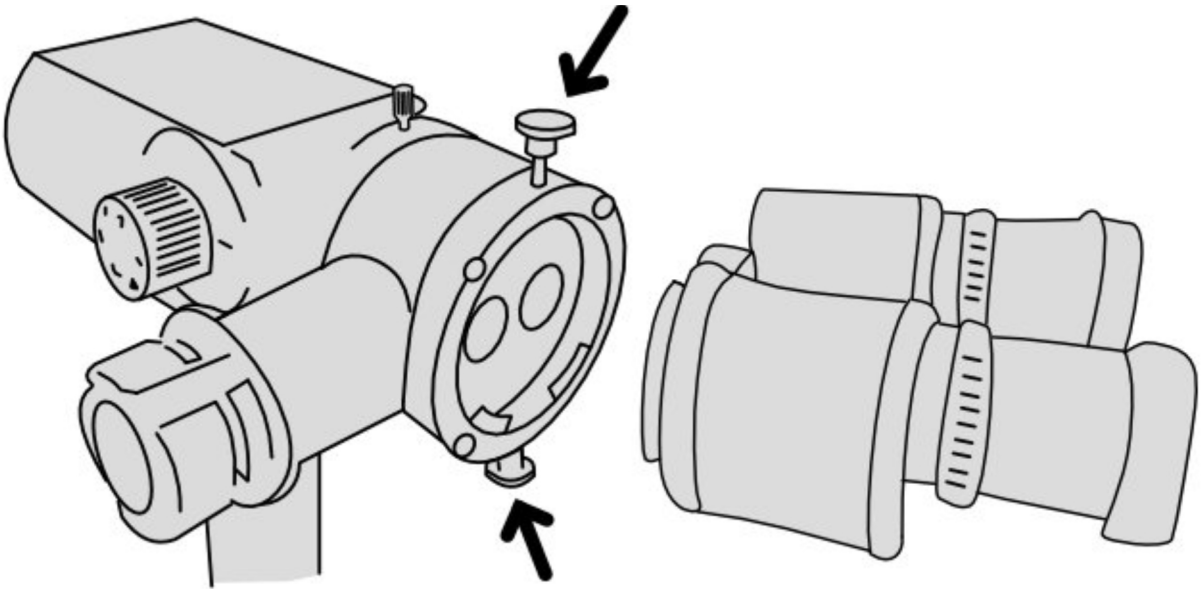
1. Identify the screw that holds the binoculars in place and loose it, grabbing the binoculars to avoid dropping.



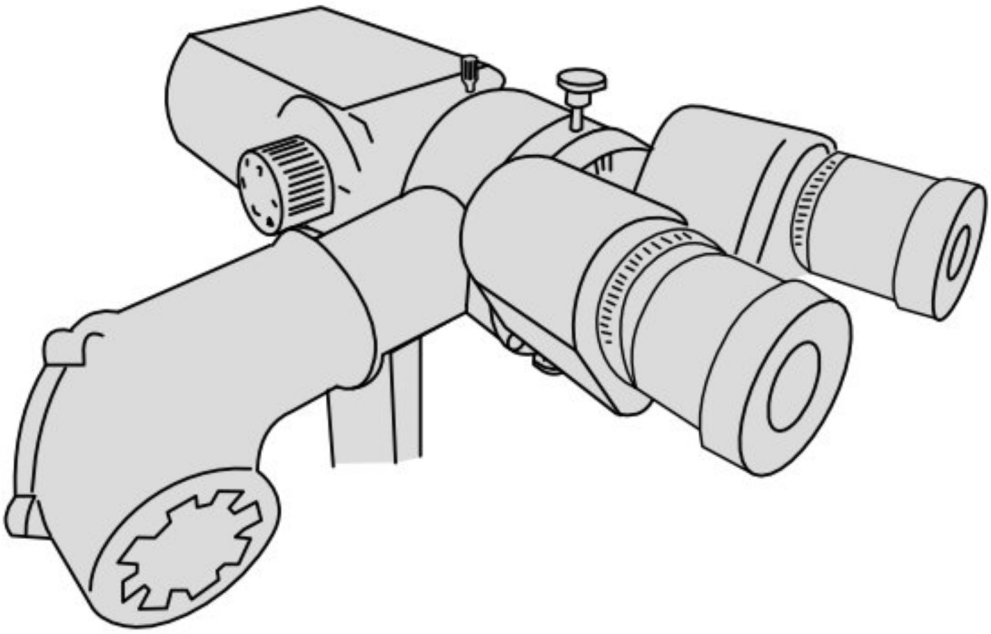
2. Remove the binoculars.



3. Insert the beam splitter in the microscopic optics carrier and tighten the holder screw. Place the binoculars and tighten the two holder screws making sure everything is properly aligned and secured.

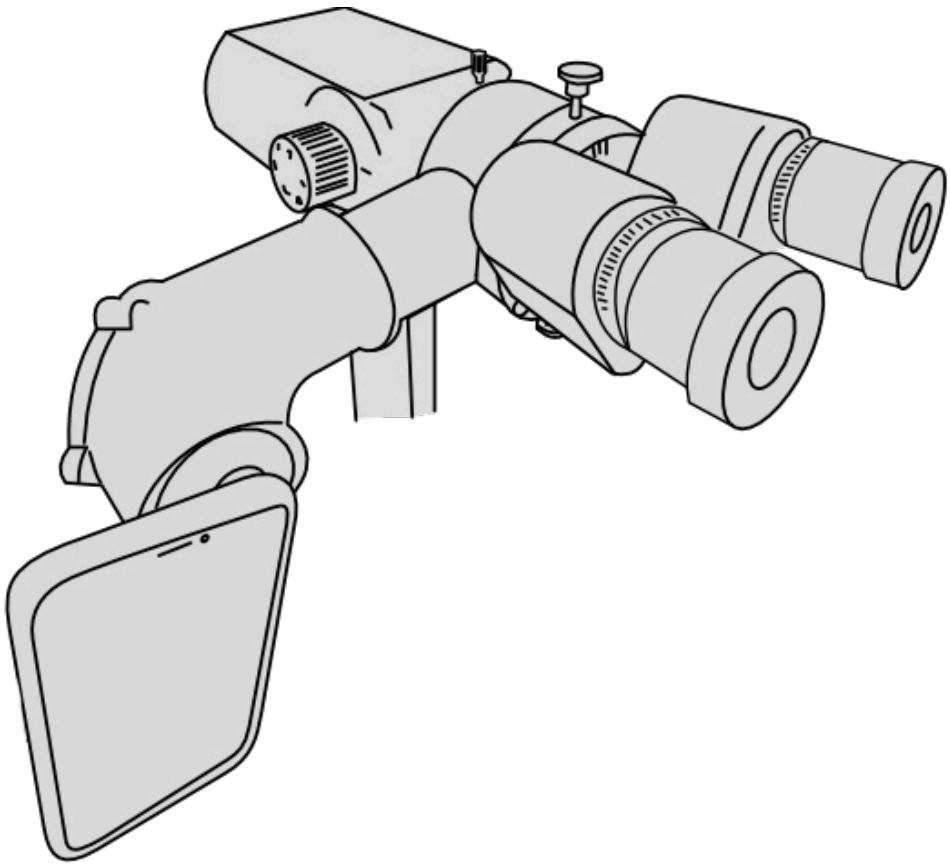


4. Insert the MicroREC Universal Tube into the beam splitter port.



5. Follow steps 1 to 6 from the previous instruction to assemble the Universal Holder.

6. Insert the phone with the eyepiece into the Universal Tube. Your system is ready to use.



Congratulations!

MicroREC App

The MicroREC app is custom built to be the perfect complement for MicroREC.

With the app, you can rotate images, adjust focus, disable sound recording and take control over video quality settings. It gives you full control over the camera settings to adjust lighting conditions in the operating room. You can also collect and store medical imagery in the app, separate from your personal files.

How to download

To download MicroREC App you can either:

1. Scan this QR code:



2. Or, instead:
   a. Open App Store (iOS) or Play Store (Android).
   b. Tap the search icon.
   c. Type MicroREC in the search field.
   d. Select MicroREC in the search results to go to the app page.
   e. Follow the standard installation procedure.

How to create your account

In order to access the app, you will need to **CREATE AN ACCOUNT.**

1. When you open the App, in the login page, select **SIGN UP**.

2. Once you have correctly validated your credentials, you will access the **CREATE ACCOUNT** page. Fill your information in the provided fields. Just take into account that the introduced email will be the one used to login in the app.

3. Click to accept the End-User License Agreement and Privacy Policy and then click **REGISTER.**

4. Go to the inbox of the email you provided. You should find an email from us with the subject line **PLEASE CONFIRM YOUR EMAIL**.

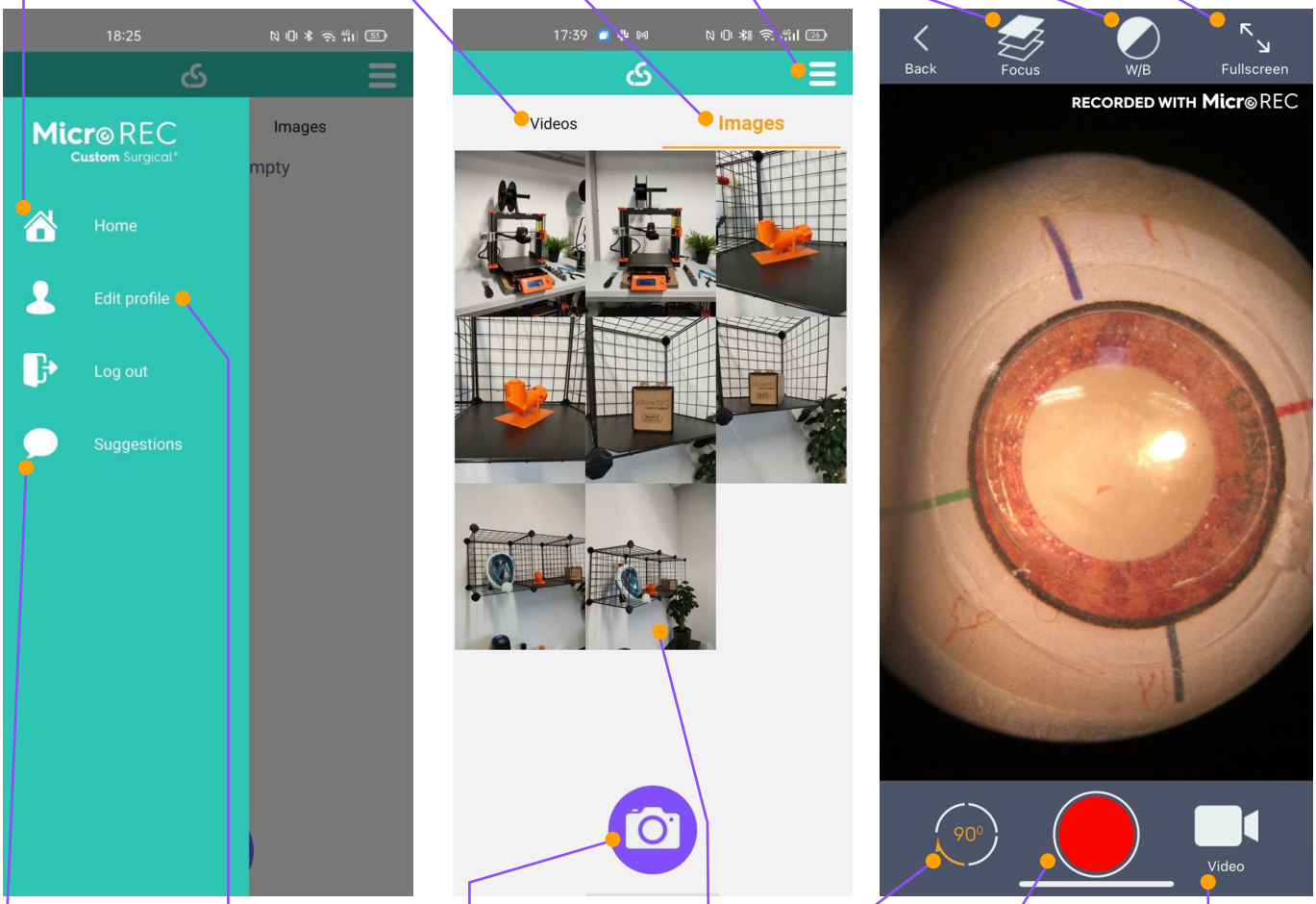
5. Open the email and select **CONFIRM EMAIL.**

Congratulations! You have successfully created your account.

MICROECAP

How to use

The MicroREC app is intuitive and easy to use. It allows recording, storing, and sharing imaging. See the overview of the basic features below:



MICROREC APP

Cleaning And Maintenance

1. If your MicroREC is always connected to your equipment, you should take it off and clean the lenses every couple of months.
2. If you disconnect MicroREC often from the equipment, you should increase the regularity of maintenance cleaning to once per month.
3. To do regular cleaning, use a special optics cloth. Only use pure water in small quantities to clean the optics. Never touch the optics with your fingers.
4. The MicroREC optical system does not get in direct contact with a patient, and therefore, it does not require sterilization.
5. If the product comes into contact with abundant liquid, wipe it immediately with a soft cloth. If the liquid enters an unreachable surface, place the product so that the liquid may exit.
6. To clean the product, use a soft, damp cloth. **Do not use any corrosive liquids or materials and oils for cleaning.**
7. Do not touch or directly manipulate the lenses, mirrors, or other optical components with your hands.
8. If you detect spots, dust, or residue, use a soft cloth for lenses to clean.

FAQs And Troubleshooting

- **Is the equipment CE-approved?**

Yes, MicroREC is CE-approved.

- **Do you have a manual in different languages?**

Yes, we have this manual in Spanish and Portuguese. To download a manual in these languages, please go to our website: customsurgical.co/manuals/

- **What is a beam splitter?**

A beam splitter is an attachment that captures a beam of light from a microscope and directs it to a smartphone, allowing for image recording.

- **How do I know if my microscope/slit lamp has a beamsplitter?**

The beam splitter is usually located between the binoculars and the optics of the microscope. It has either one or two ports to connect cameras or secondary observers. If you are still not sure whether your microscope has one, you can contact us and share a couple of pictures of your microscope. We will be happy to let you know what type of a system you need.

- **My microscope/slit lamp does not appear on the compatibility list. Can I still connect the MicroREC?**

If your system is not on the list, send us a message to check compatibility for your specific model.

- **Can I use any smartphone with a MicroREC?**

You can attach any smartphone to your MicroREC with a Universal Smartphone Holder. To use the app, you have to follow these requirements: iOS 11.0 or later for iPhones, Android 7.0 and up for other smartphones.

- **Is your software available for IOS and Android?**

MicroREC application is compatible with both iOS and Android and available for downloading at corresponding app stores.

- **Is the MicroREC app free?**

Yes, customers who purchased MicroREC can use the app for free.

- **Are the pictures and videos saved in my telephone gallery or in the app?**

All visual materials you record with MicroREC, are collected and stored in the app, separate from your personal files.

- **What if I change my email address?**

You can transfer your account to a new email address. To do so, go to the **EDIT PROFILE** section in your app, write your new email in the **EMAIL ADDRESS** section and save changes. After saving, you will receive a confirmation email to ensure your new email is valid. Confirm the new email – and you are good to go.

- **What if I forget my password?**

You can always reset your password by tapping **FORGOT PASSWORD** on the login page.

- **What if I change my phone?**

If you change your phone, you need to download the app and log in with your email and password. You do not have to register again.

- **Can a MicroREC app be used by more than one person?**

You must register and create your account. This account is personal and non-transferable.

- **I am sharing a MicroREC with other doctors. Can we all get access to the MicroREC app?**

If you are sharing a MicroREC, every doctor can download a MicroREC app and create their own account.

Warnings And Safety

1. Verify the physical integrity of the product before using it.
2. Use only indoors.
3. Avoid exposure to the elements.
4. Do not store in humid environments and avoid contact with corrosive liquids and materials, and oils.
5. Do not disassemble any parts outside of the user's manual's specifications.
6. Do not make any alterations to the product. This may disarrange the optical elements and affect the product's performance.
7. Do not place heavy objects on top of the product.
8. Do not expose the product or any of its components to fire or high temperatures.
9. Do not seat or stand above it.
10. Keep out of the reach of children.
11. Do not use excessive force when assembling the components, they are designed to fit appropriately.

We want to make sure you're satisfied with your purchase. Therefore, we allow you to return your product during the first 14 days after you received it and to claim a full refund of the product cost after delivery - no questions asked (although we appreciate it if you could share your feedback).

We provide a 2-year warranty for MicroREC kit to ensure that our products don't have material or production defects. All manufacturing issues reported within 2 years after delivery will entitle for a replacement or a fix at no extra cost.

This warranty, however, doesn't cover damage or defects caused by misuse, neglect, accidental damage, failure to follow operating instructions, alteration, modification or repair of the product, included that caused by authorised workshops or persons. This warranty also doesn't cover the damage caused by wars, natural diseases, terorrism or extreme conditions, and Custom Surgical leaves is up to their decision whether to cover such claims for reparation or replacements.

Warranty covers all products purchased on our website, through official distributors or sold by us or our partners on authorised marketplaces, such as Amazon. We cannot, however, apply the warranty to products purchased from unauthorized third parties or resellers.

The warranty is the subject to the law of Germany.

How to claim your warranty

Make sure you have the following things before you claim your warranty:

1. Warranty activation card
2. Original packaging
3. The receipt of your purchase

If you purchased the product through the authorised distributor

Please contact your distributor and follow their instructions. You can find the list of distributors and their contact information on our website: customsurgical.co/distributors

If you purchased through customsurgical.co

Please contact us at info@customsurgical.co

To claim your rights for this warranty, no matter if you purchased the product from us or through the distributor, please register your warranty first, by scanning the code below or going to customsurgical.co/activate-warranty

Further Help And Contacts

We're always here for you.

To get any additional help or share your feedback, please reach out to support@customsurgical.co

Let's connect on social media!

Tag @customsurgical, #customsurgical and #MicroREC:

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