



# User manual

## HQSM product scanning

lens attachment  
and operating HQSM application

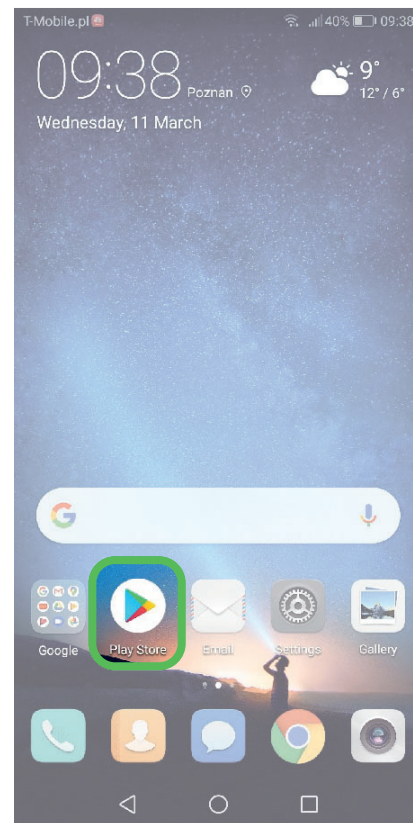


HQSM is an advanced and unique technology that allows you to check the originality of your product. It requires an Android or iOS phone to work, as well as the attached macro lens. You need to take a few steps to prepare the system for scanning.

1. Download and install HQSM app. You will find it in App Store (iOS) or Play Store (Android).



iOS

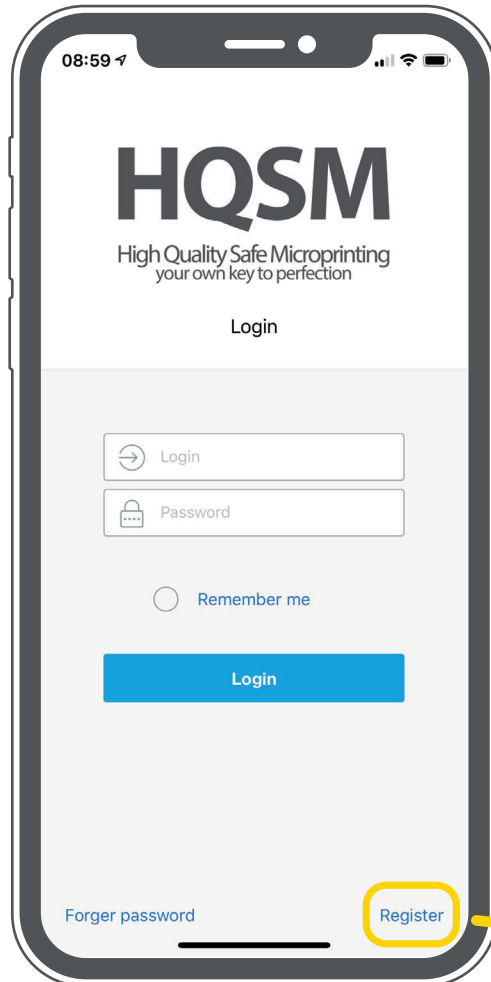


Android

2. Find and open the downloaded application using the icon. After starting the application, the system will ask for access to location and camera services. The "Only when I use the application" function should be active.



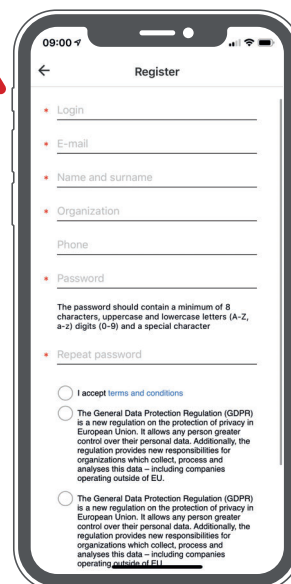
3. After opening the application you have to register. Select this option at the bottom of the screen.



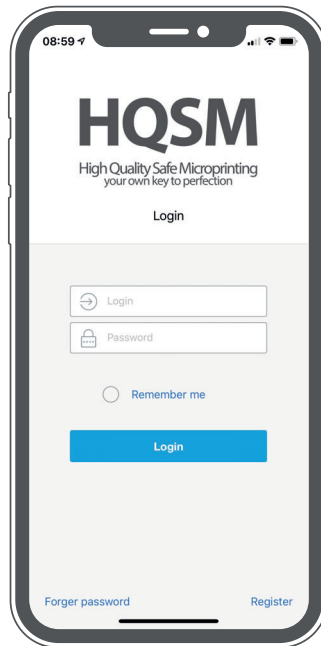
4. Provide all required data

- login
- e-mail address
- name and surname
- organisation (Company name)
- phone number
- password

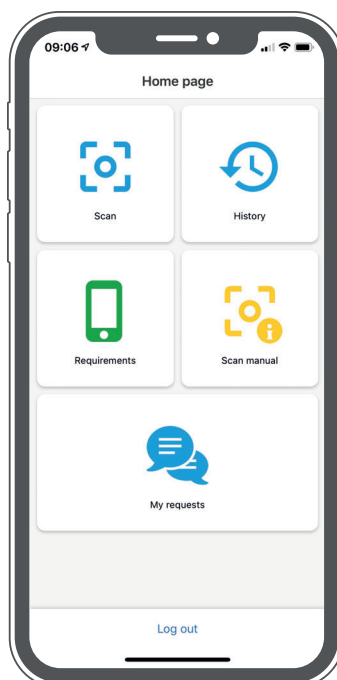
and accept terms and conditions.



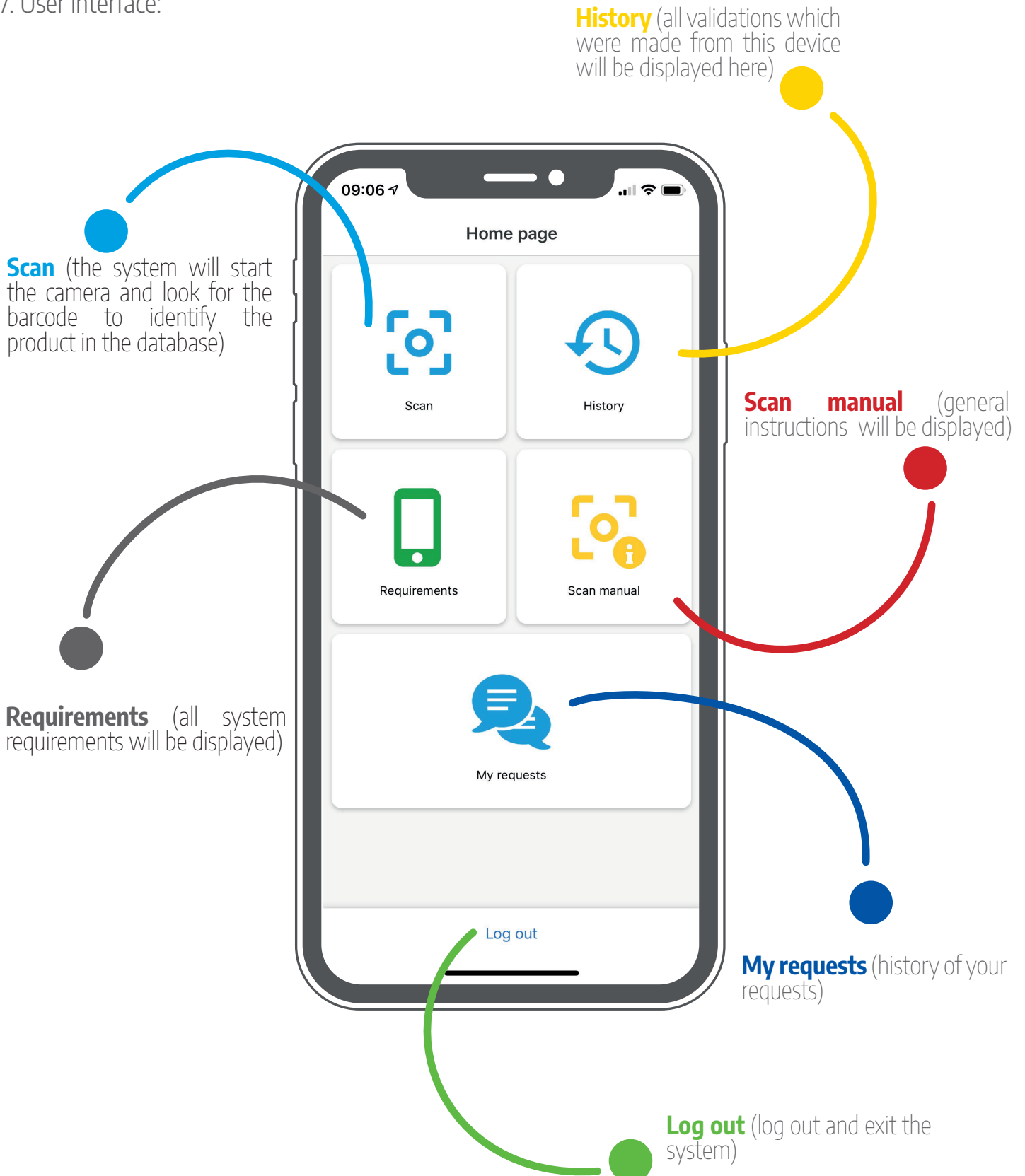
5. For system and data security, **your account must be approved in our internal system**. Once your account has been verified and approved (which you will be informed about by e-mail, sent to the address you provided during registration), you will be able to log in to the system. **Verification and approval can take up to 16 working hours.**



6. After logging in, your application window should look like this:



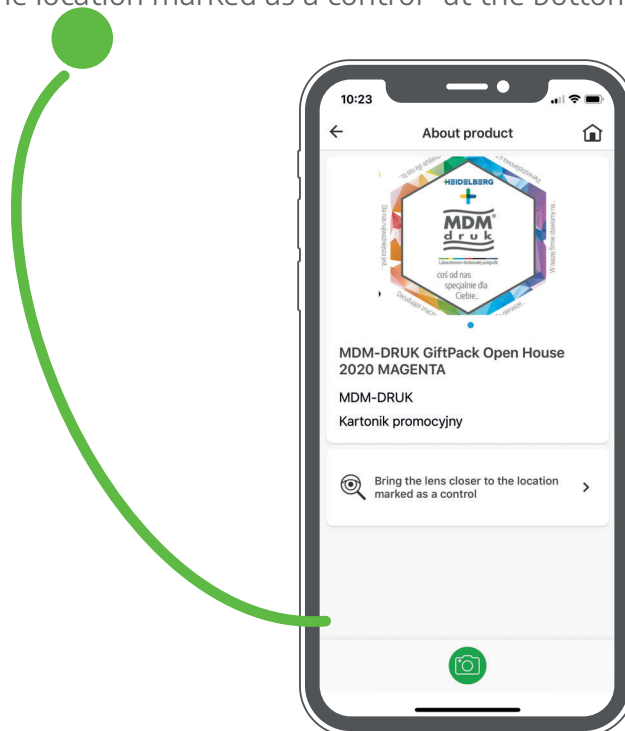
### 7. User interface:



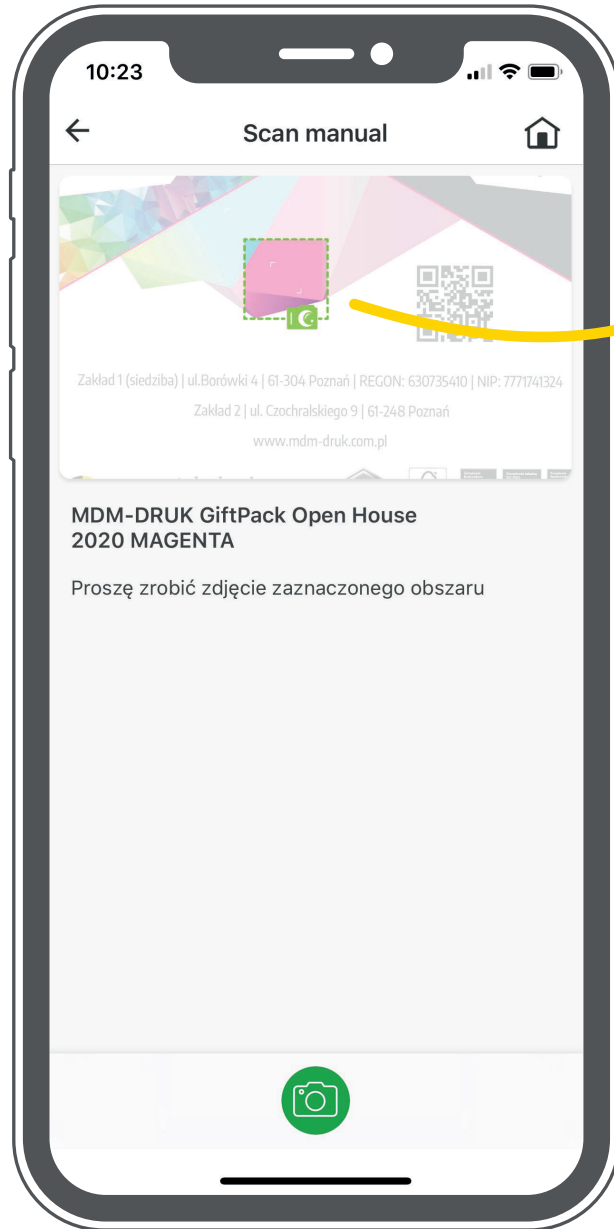
8. Click the „Scan” button and point the camera at the EAN barcode. The system will automatically find it and download its value.



9. The system will display data about the identified product. To find out where the coded field is located, click on the „Bring the lens closer to the location marked as a control” at the bottom of the screen.



10. The location of the hidden coded field will be displayed on the screen.



11. You can now put on the macro lens that came with the kit.



## 12. Macro lens kit:

technical data leaflet



pocket-size lens case

lens



clips



13. Correct macro lens mounting:

1)



composite lens

2)



lens mounted on the phone

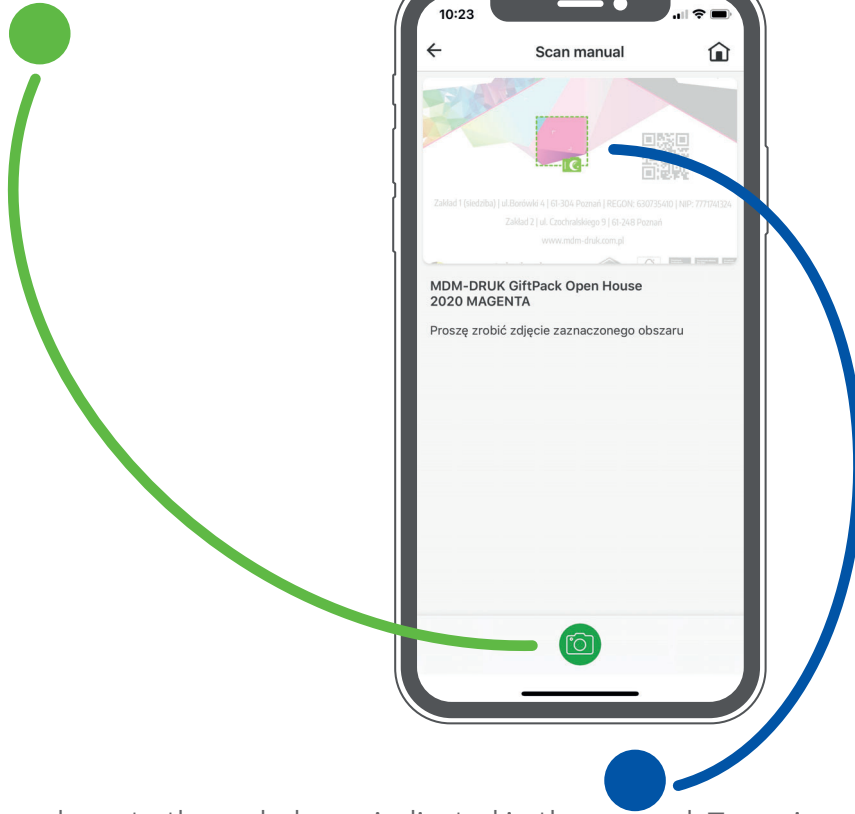
3)



Make sure that the lenses centre (camera and lens) are exactly above each other. This will help you avoid aberrations that may cause an incorrect validation result.

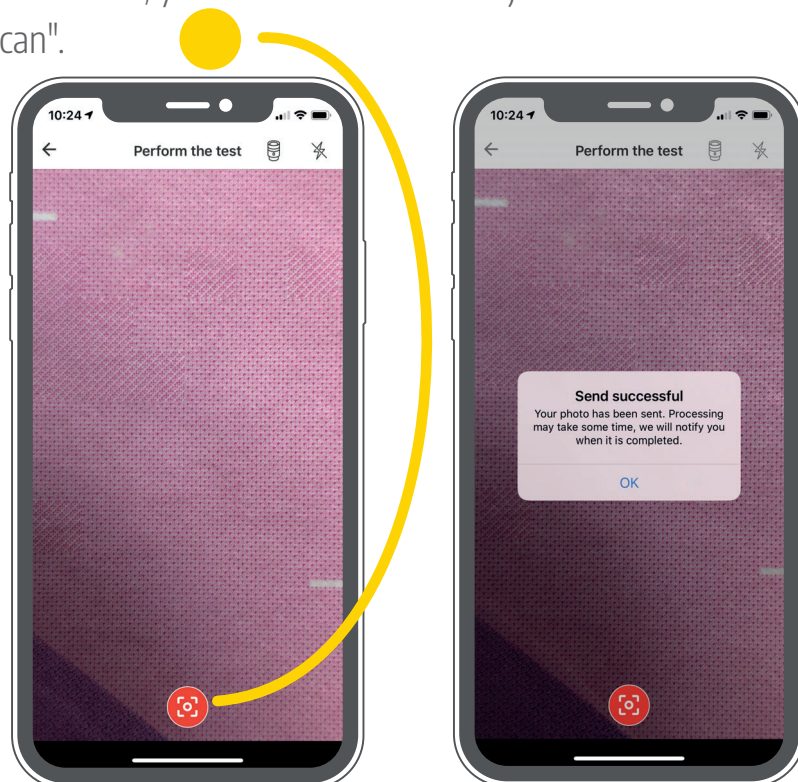


14. Click the „Scan” button.



15. Move the lens closer to the coded area indicated in the manual. Zoom in and focus. The entire coded area should be in the lens. Once you zoom in, you will see the coded objects. All of them must be on the screen. When you are ready, press "scan".

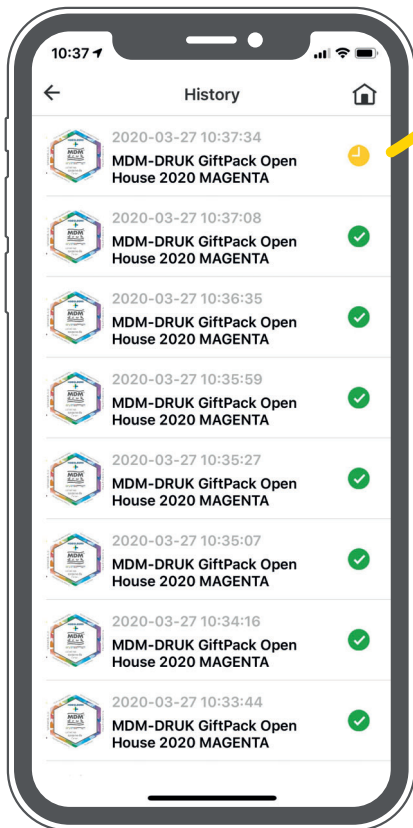
**Hint!** The collar on the lens allows you to get the correct distance to sharpen the view and take the picture.



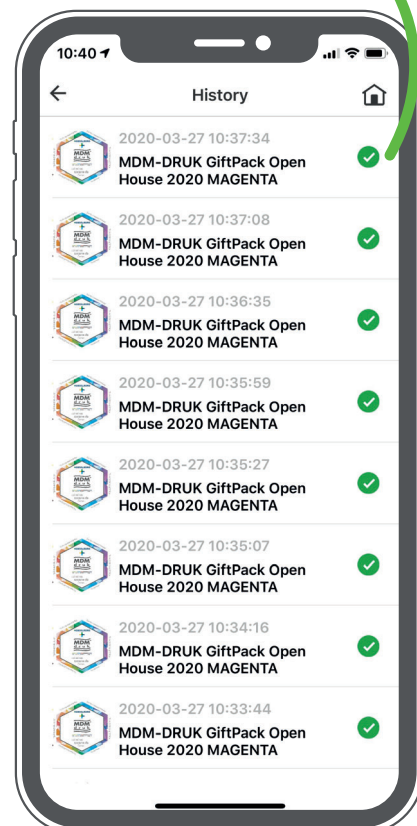
# HQSM User Manual

## validation process

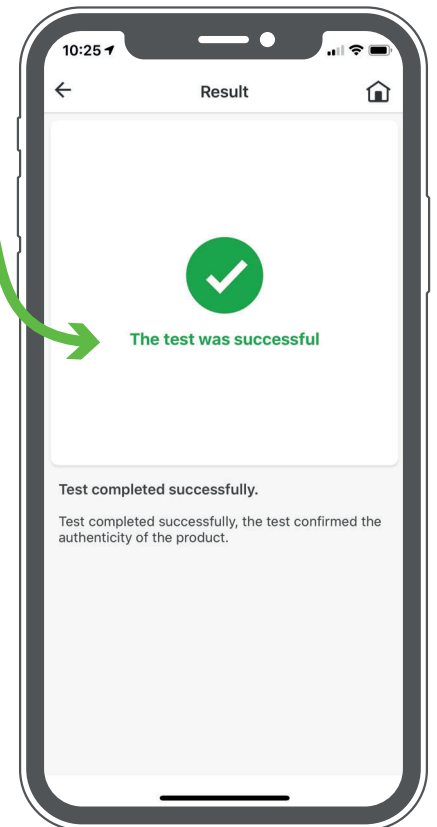
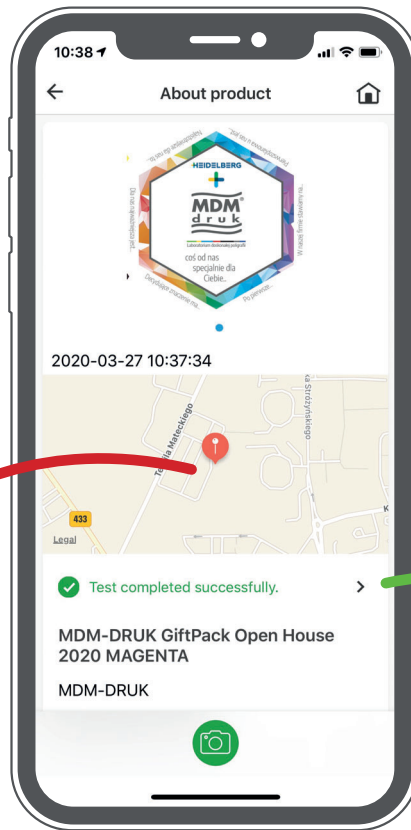
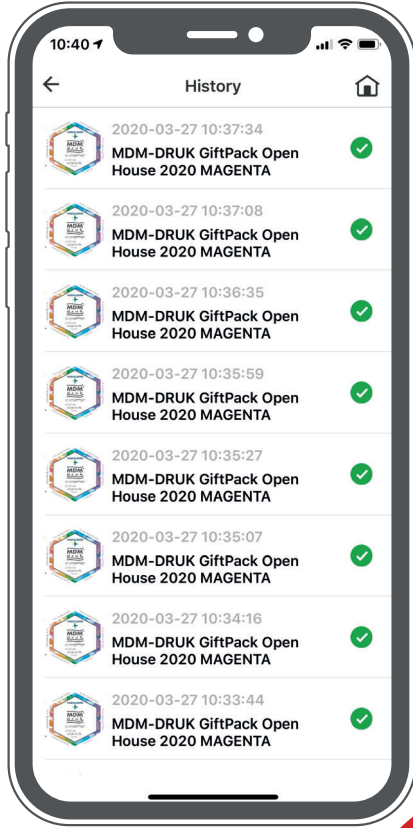
16. You can follow the validation process e.g. in the history tab. The process itself can take from several dozen seconds to several minutes.



17. After that time, the validation status will appear.

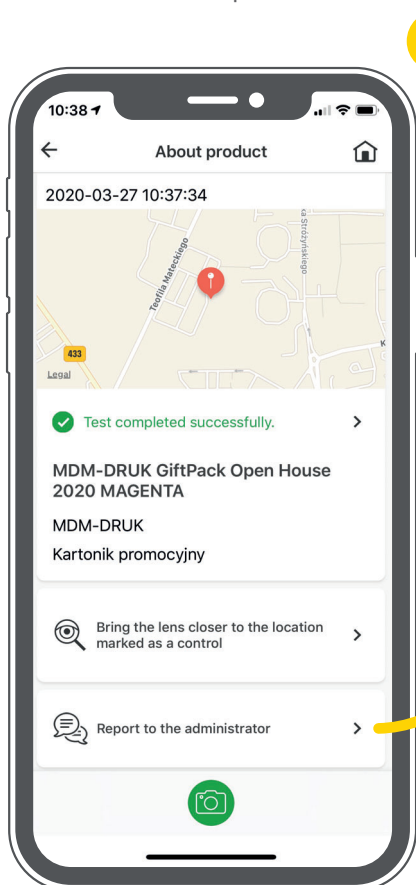


18. After clicking on the history tab, you can see the details of the validation and the final status.



**Hint!** you can also check the place where validation was carried out.

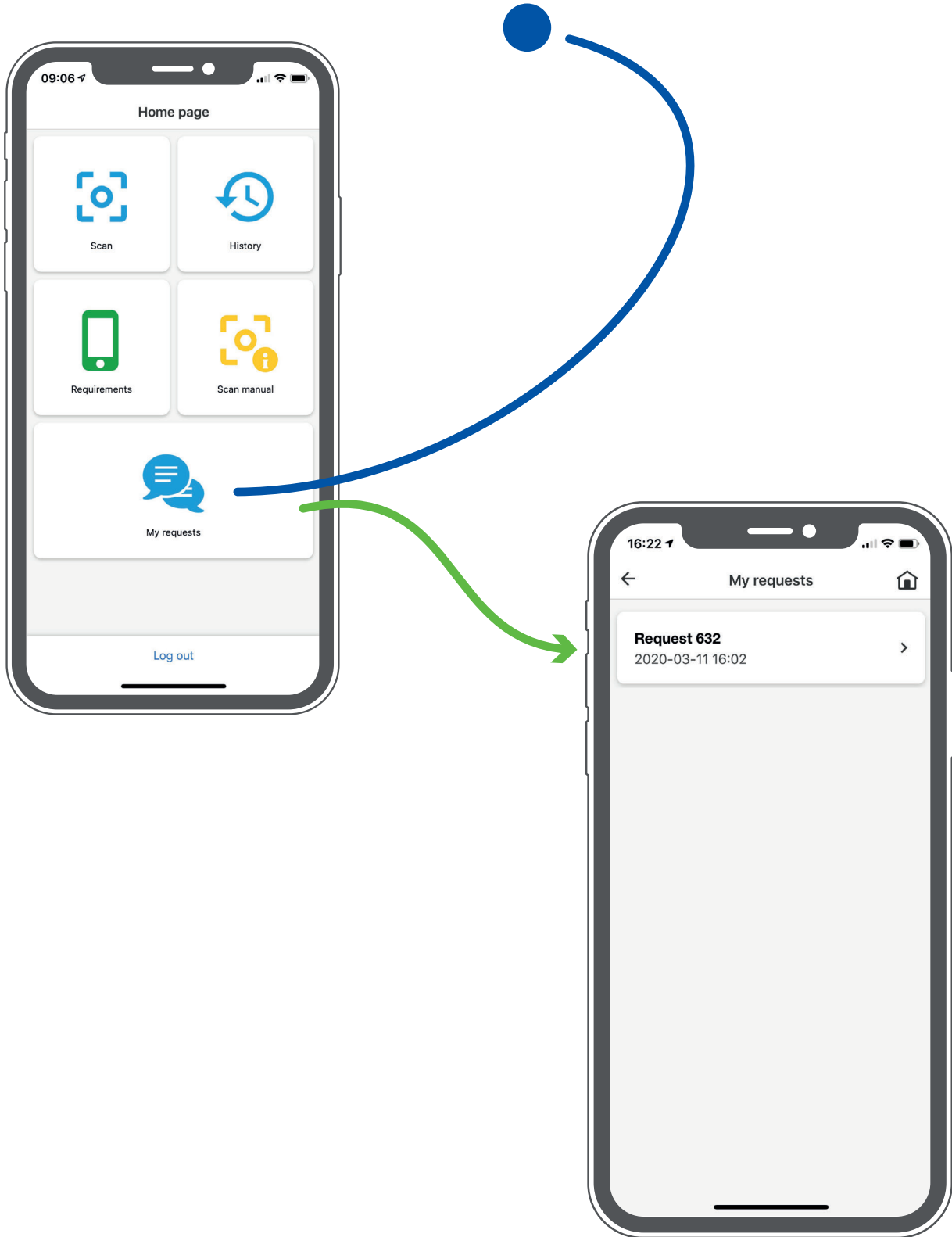
19. If you have any validation problem or if you are unsure about the originality of your scanned product, you can contact us via the "Report to the administrator" window at the bottom of the validation tab.



20. This will allow you to get in touch with us so that we can solve your problem or answer your questions. The chat is open on Polish working days, from 8 am to 4 pm.



21. You can control all your requests by clicking on the button in the main menu.

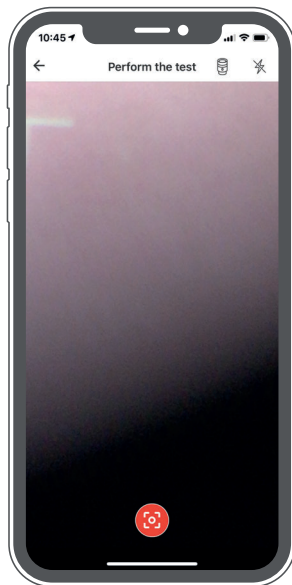




22. The system can only validate the product on the basis of a well-made scan (photo) of the coded field. When you approach the lens to the location indicated in the manual, you will notice a slight change in the scanned image. The code is based on squares that resemble a little bit the popular QR codes, and like them, they must be scanned as a whole. The photo must also be sharp for the system to read it correctly. Below are some examples of incorrect validations and the most common mistakes:



**Correct scan**



Something is covering the code, check the lens mount and whether the field is not covered.



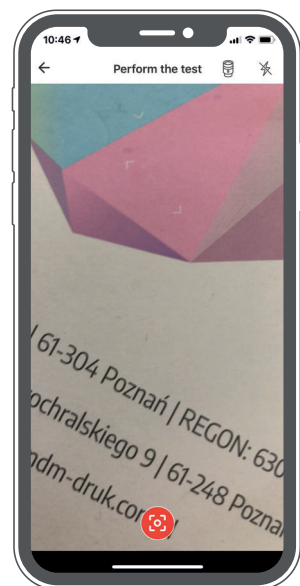
The scan (photo) taken is not sharp, no image details are visible.



The scan (photo) badly cropped, not whole coded field is visible.



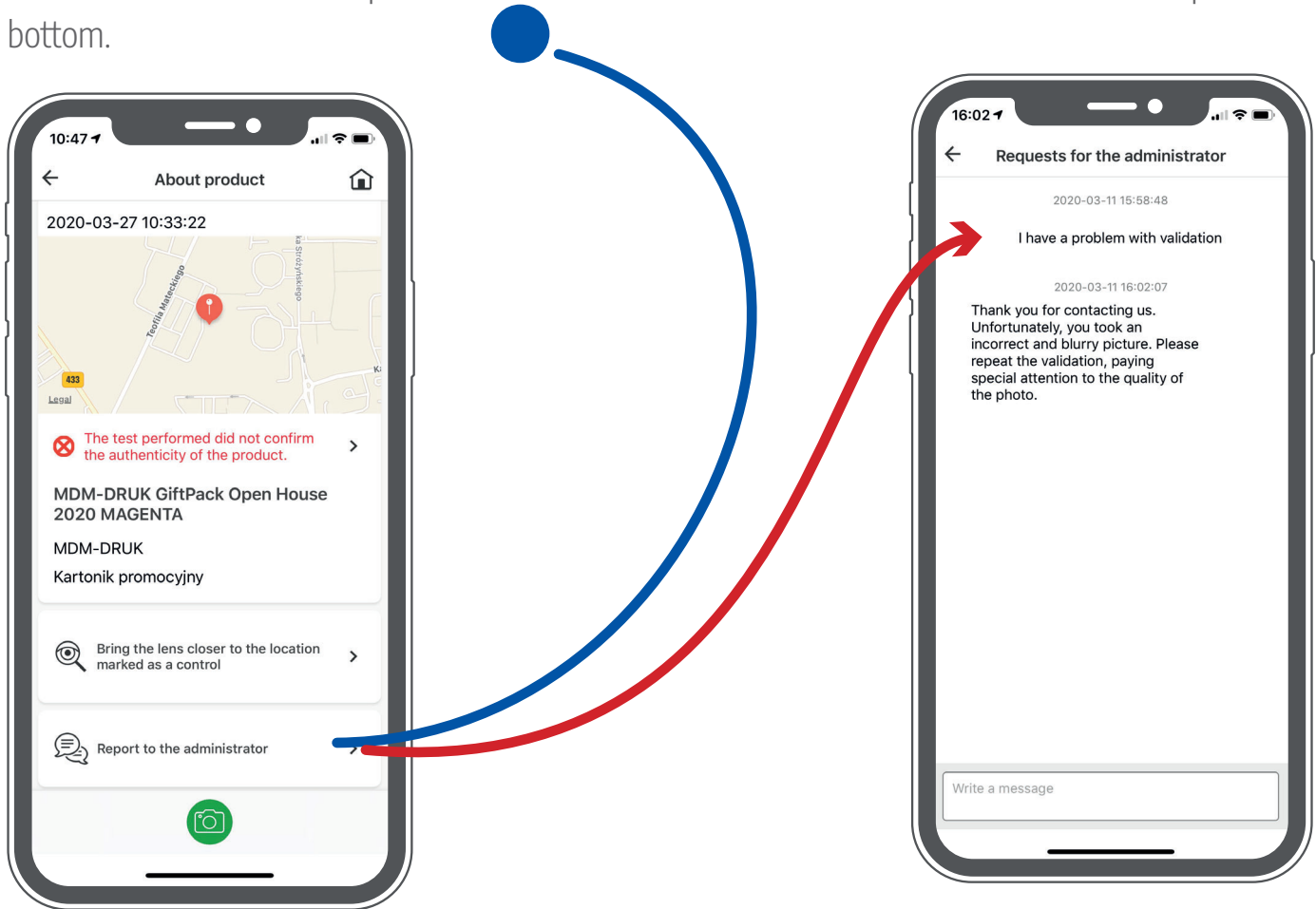
The scan (photo) is too close, not all code elements will be scanned.



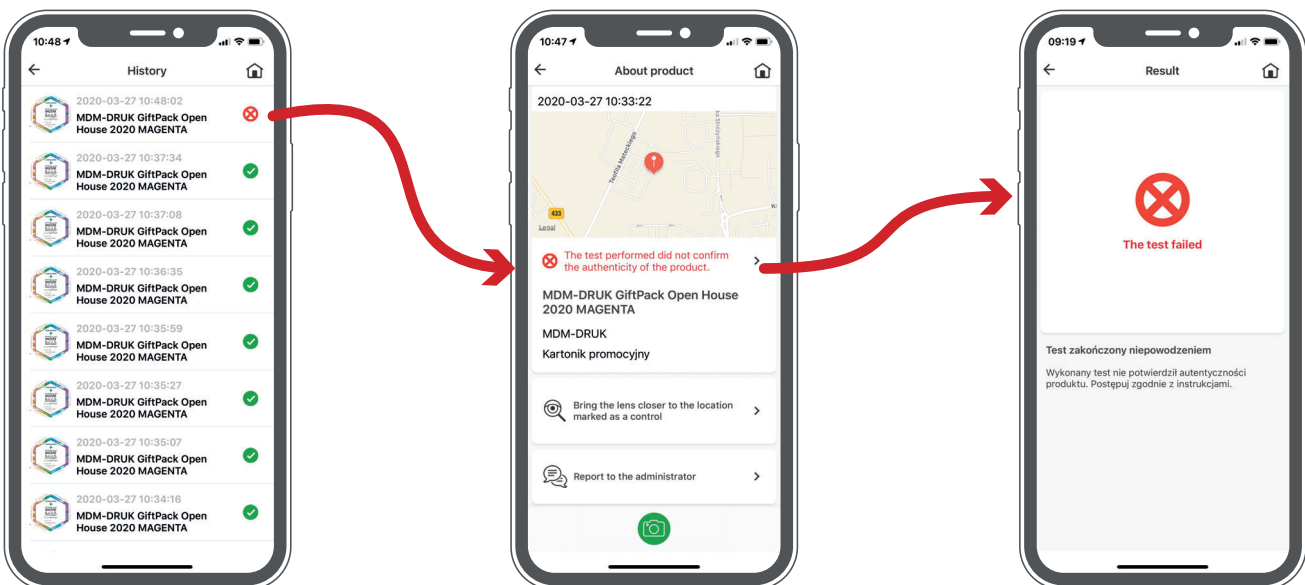
The scan (photo) is too small, not all elements of the code will be scanned, because no details are visible.



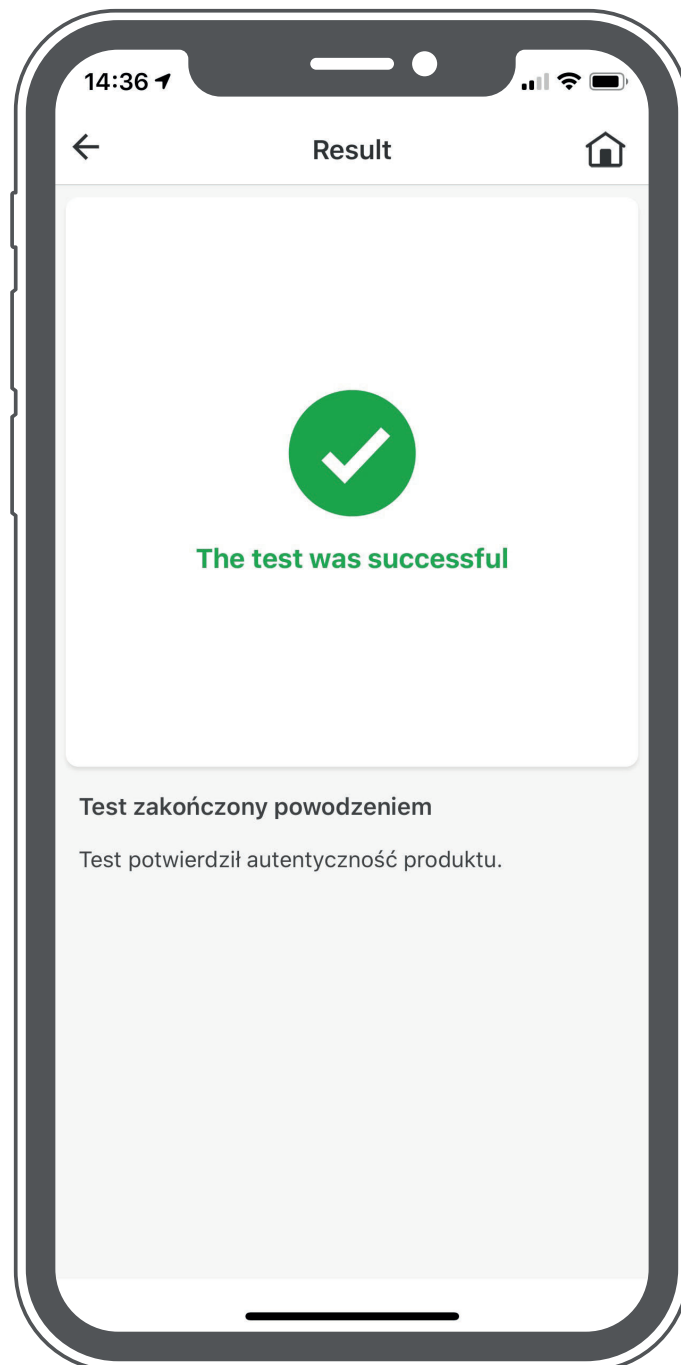
23. If you are sure that you have performed the scan correctly and yet the validation is not successful, you can contact us via the "Report to the administrator" field in the validation tab "About product" at the bottom.



### Incorrect validation report



24. We know that it takes a little practice to do a proper scan. We recommend that you practice the process under controlled conditions. It is best to take the original product, about which we have no doubt that it was made in HQSM technology and practice on it. If you have any problems with the scan, product or application, do not hesitate to contact us. The best way to do this is through the "Report to the administrator" field, so we will have an immediate overview of your validation. If you have problem activating your account or application, please contact us at [hqsm@mdm-druk.com.pl](mailto:hqsm@mdm-druk.com.pl).





The Laboratory of Excellent Printing



Rzeczpospolita  
Polska

Unia Europejska  
Europejski Fundusz  
Rozwoju Regionalnego

