



## 2.4 Structure Bottom Part of Scanner

→ **Caution:**  
During all maintenance, inspection, and repair operations switch the scanner OFF and remove the power cord!

### 2.4.1 Replacing Reflector Rollers

The ROWE Scan 450i scanner 36" has 5 non-driven reflector rollers (24": 3 rollers; 44": 6 rollers) which are located directly under the contact image sensors (CIS) of the top part. The painting of the rollers reflects the light of the CIS and thus contributes to scan quality. Furthermore, the reflector rollers place the original to be scanned in a defined position to the CIS unit (focus area).

The left and right flanged wheels of the reflector rollers rest against the glass plate. This area is outside the CIS area. The difference in diameter of the reflector rollers (flanged wheel right – middle – flanged wheel left) amounts to 0.1 mm. Due to the fact that the roller does not rest against the glass plate in the area of the CIS, damages of the plate are reduced.

→ **Note:**  
Cleaning agent LIXTON W1-H (BT80/00/108) may be used for cleaning the reflector rollers.

#### 2.4.1 Step 1

Open the top part. If the top part is in its final position, it must not be held. It remains in this position until it is moved again.

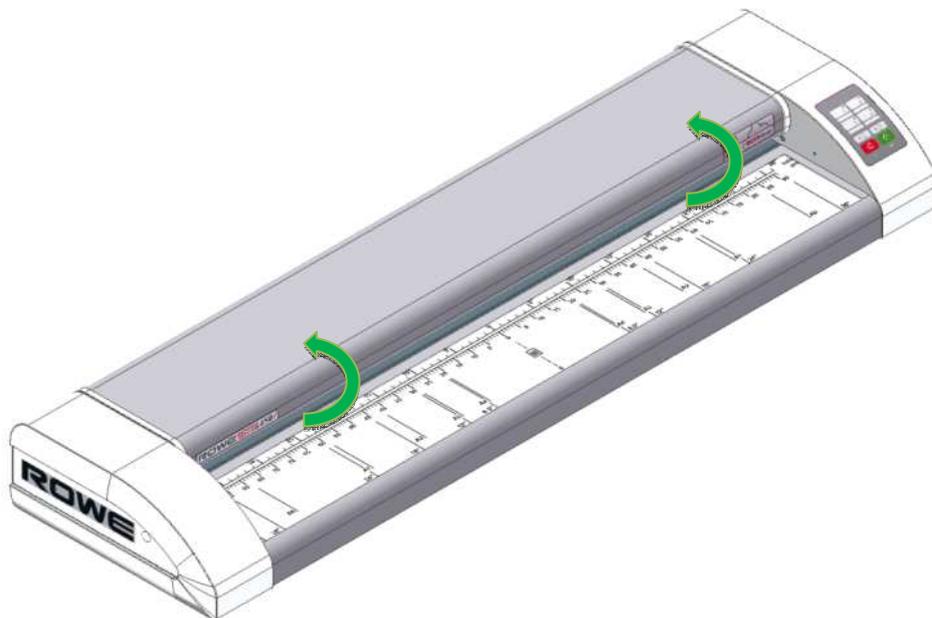


Figure 5: Opening the top part



2.4.1 Step 2

At the back of the scanner, remove the 5 screws No.5 at the guide plate.

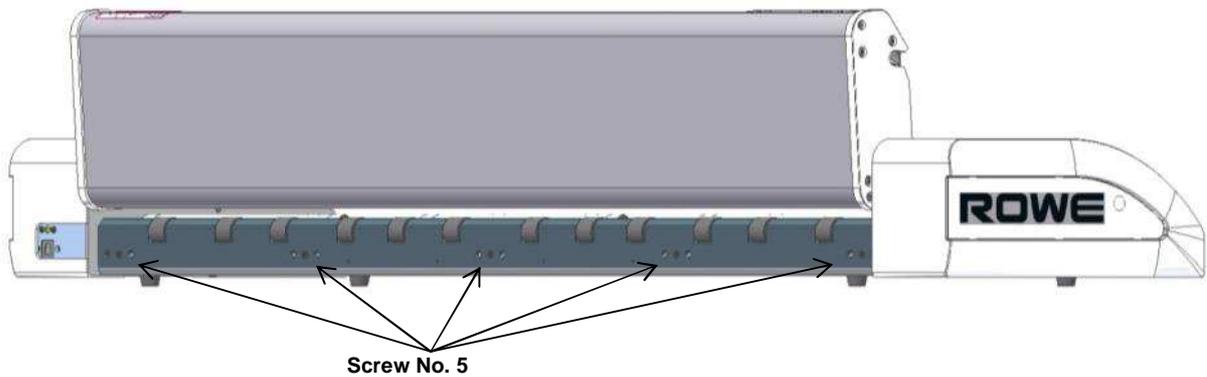


Figure 6: Rear side scanner top part open

2.4.1 Step 3

Remove the guide plate. For this purpose, lift it slightly at the back and pull it to the back and out of the scanner. Store it in a suitable place.

→ **Note:**  
Make sure that the left and right side plates are not damaged when removing the profile!

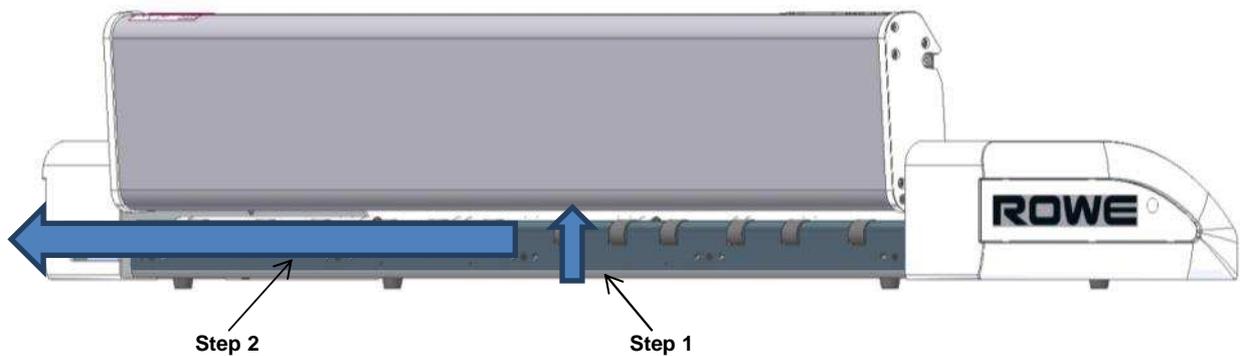


Figure 7: Removal of the guide plate

#### 2.4.1 Step 4

Remove the reflector rollers.

Use both hands to grip a complete reflector roller on the left and right side and pull it up and out of the plastic retainer with little effort. Repeat this step for all rollers (24": 3; 36": 5; 44": 6).

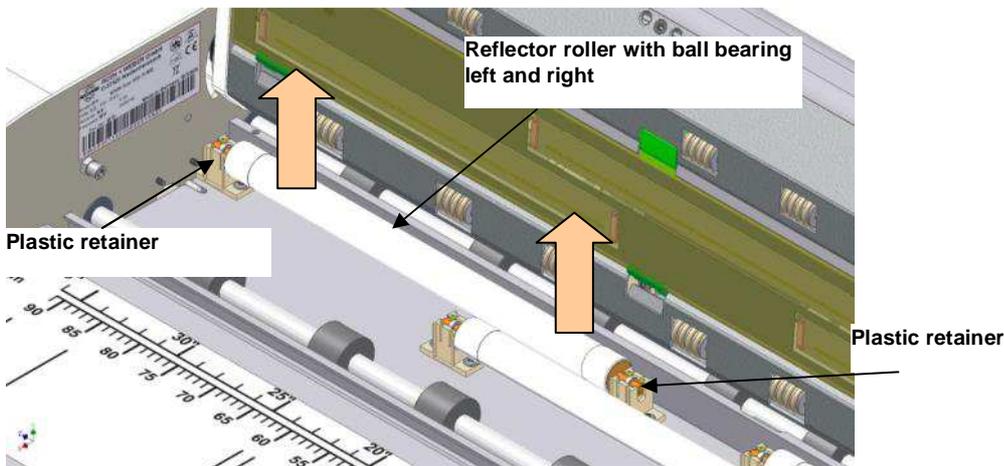


Figure 8: Scanner bottom part with reflector rollers

#### 2.4.1 Step 5

Take the new complete reflector rollers (MA1006847) and place them in the plastic retainers.

→ **Note:**  
**Handle the rollers with care! Use clean rollers, only.**

Position the guide plate on the basic profile.

→ **Note:**  
**Make sure that the centering devices at the bottom side of the plate rest in the bore holes of the profile.**

Tighten the screws of the plate at the back. Start screwing from the middle.

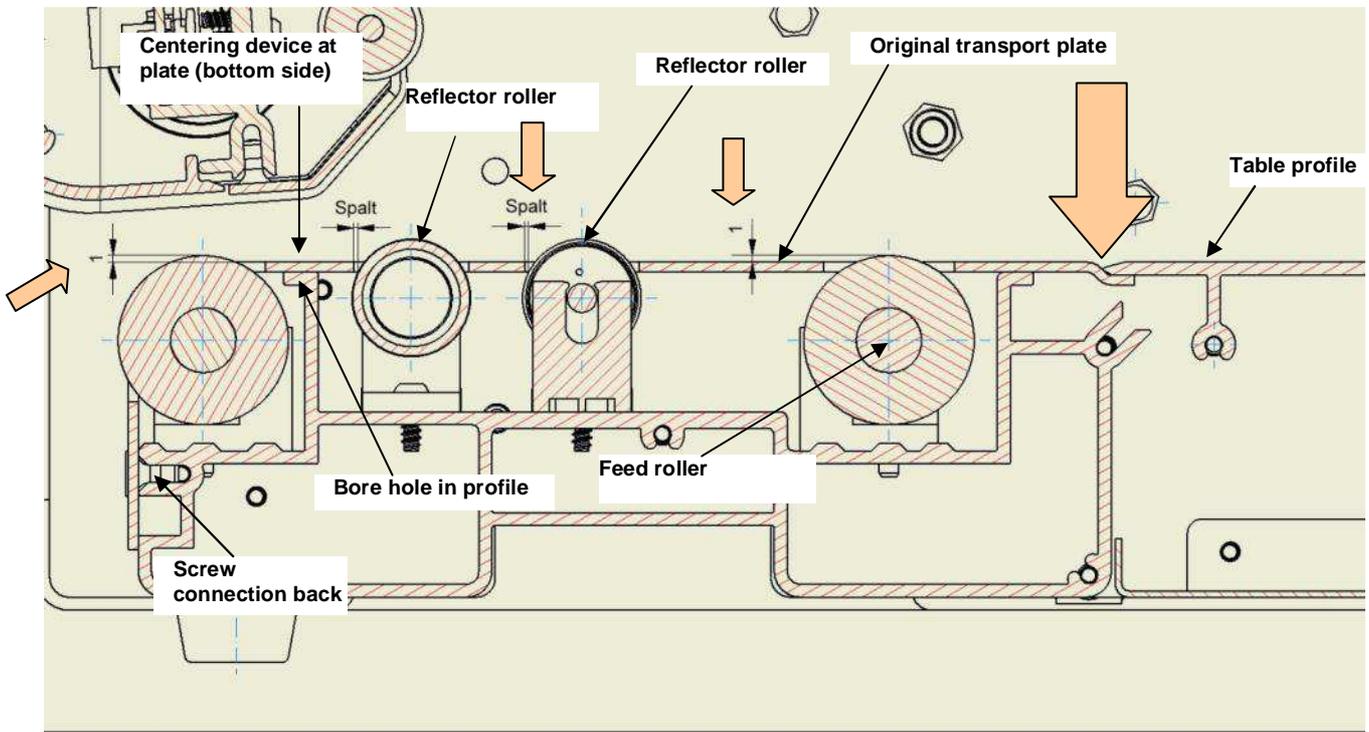


Figure 9: Scanner bottom part with rollers and plate  
(sectional view)

- **Note:**  
Make sure that reflector rollers and feed rollers rest exactly in the cutouts of the plate. The distances between the roller barrels and the plate have to be symmetrical. The roller barrels must protrude by at least 0.5 mm from the plate to the top.
  
- **Note:**  
Make sure that the table profile and the guide plate form a plane!