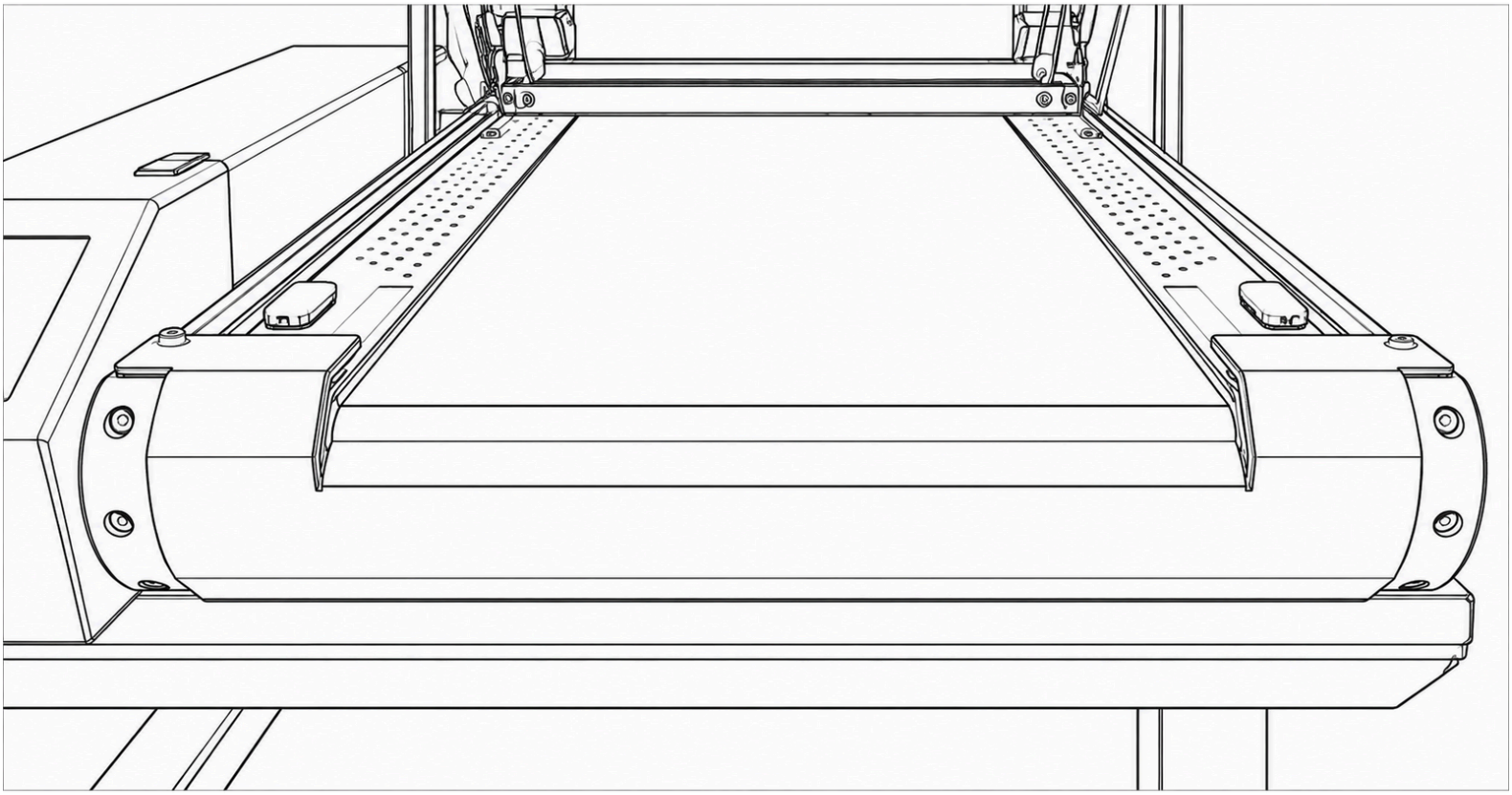
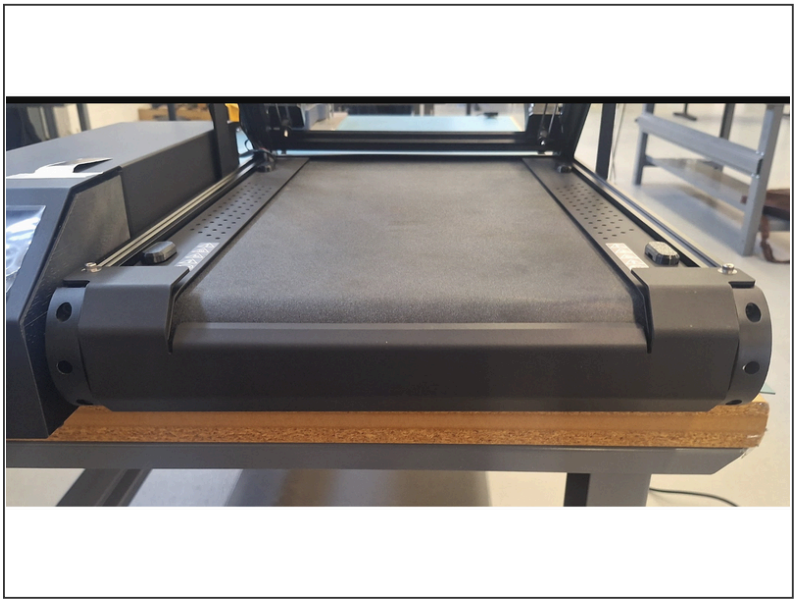
Part Ejector Adjustment

Step-by-step instructions for positioning and adjusting the Orion part ejector blade to ensure smooth part removal without scratching the print belt.

Written By: Mosaic Support



Step 1 — Understanding Part Ejector Clearance

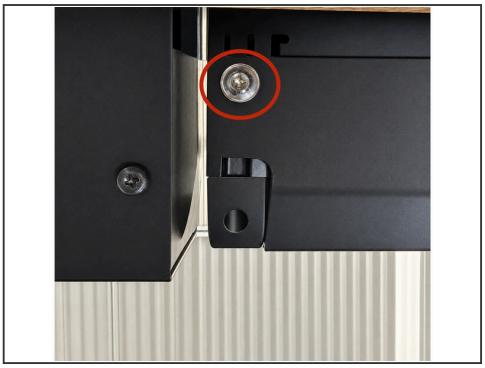


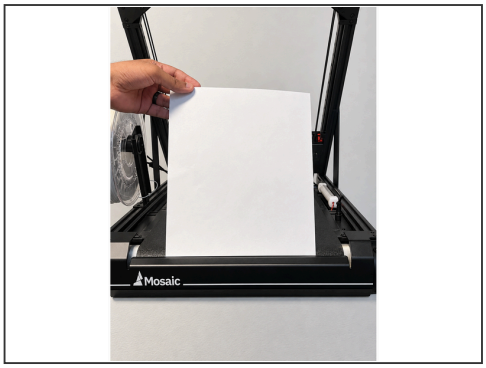
- The part ejector sits at the front roller to gently peel finished insoles off the conveyor belt as it rolls forward.
  - ⓘ Proper alignment requires a tiny gap—about 0.2 mm, or the thickness of standard cardstock—between the blade edge and the textured belt surface.

⚠ If the blade touches the belt directly, it can scratch the print surface; if the gap is too large, parts may slide under the blade instead of releasing.

Step 2 — Insert Cardstock Spacer and Loosen Mounting Screws





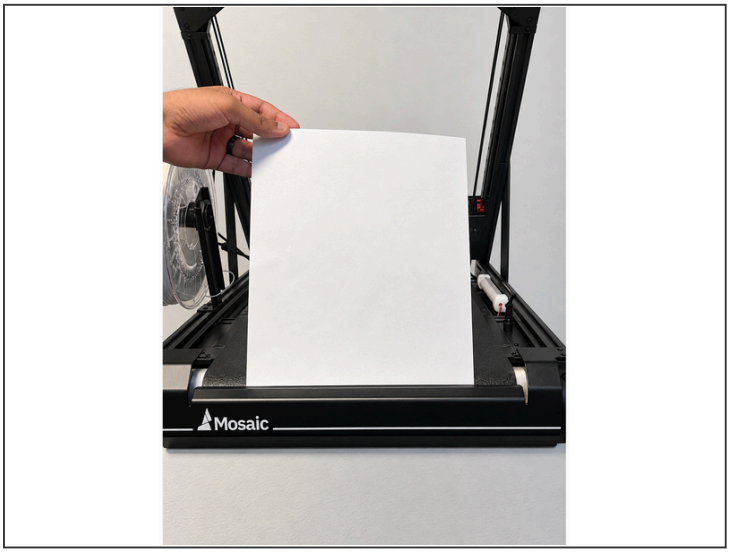


- Take a clean strip of cardstock paper (roughly 0.2 mm thick) and slide it flat between the plastic ejector blade and the belt.
- Locate the two silver bolts on the blade mount bracket holding it to the front aluminum beam, and the two silver bolts underneath the bracket.
  - To access the bolts underneath, it can be helpful to slide the printer forward, so the front few inches are hanging over the end of your table.
- Use your 2.5 mm Allen key to loosen all bolts by one to two turns so the blade mount slides freely. **Do not fully remove the bolts.**

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Step 3 — Position the Blade Against the Spacer





- Gently press the plastic blade assembly until the entire bottom edge rests evenly against the cardstock.
- Check that the blade mount is resting flush against the lower aluminum frame tabs on both left and right sides.
  - Make sure you apply even downward pressure across the whole bar so one side is not tilted closer than the other.

Step 4 — Secure the Screws and Verify Clearance



- Hold the blade in place and tighten both button head screws until snug.
- Slide the cardstock out; you should feel slight drag, but the paper should pull free cleanly without tearing.

⚠ Run a test belt cycle by navigating to *Calibration & Tools > Cycle Belt* on screen. If the blade leaves any faint scraping marks on the belt, slightly raise the blade and re-tighten.