

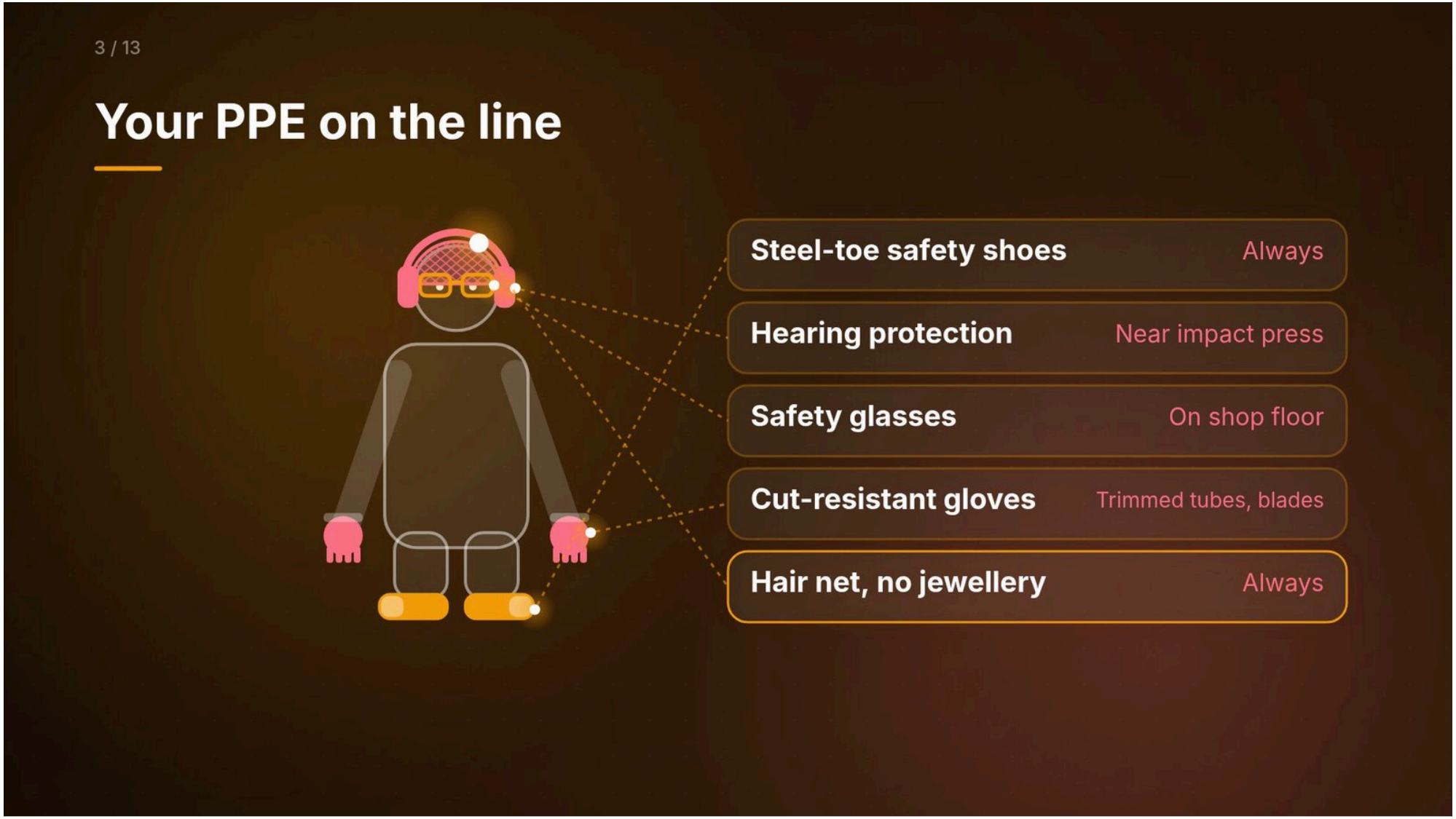
1 / 13 · Welcome to Line 3

Welcome to Line 3 at Quillbank Packaging. By the end of this video, you'll know what each machine does, what to wear, the three safety rules, and how your shift and first week run.



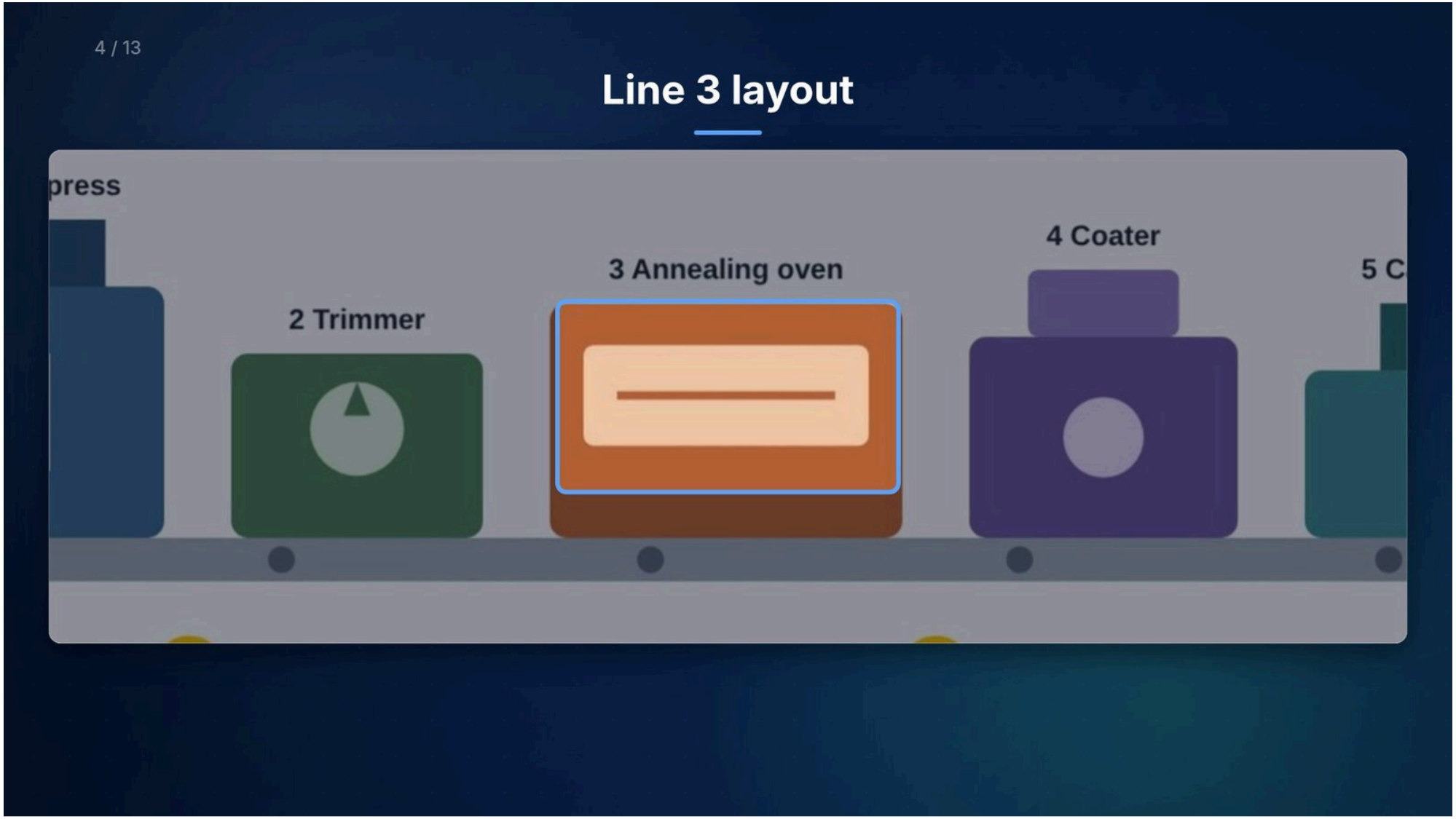
2 / 13 · A fast, loud line

Line 3 makes collapsible aluminium tubes for creams and gels, about 9,000 every hour. Near the impact press, the noise goes above 85 decibels, which is why hearing protection matters. For your first week, a trained operator, your buddy, works beside you.



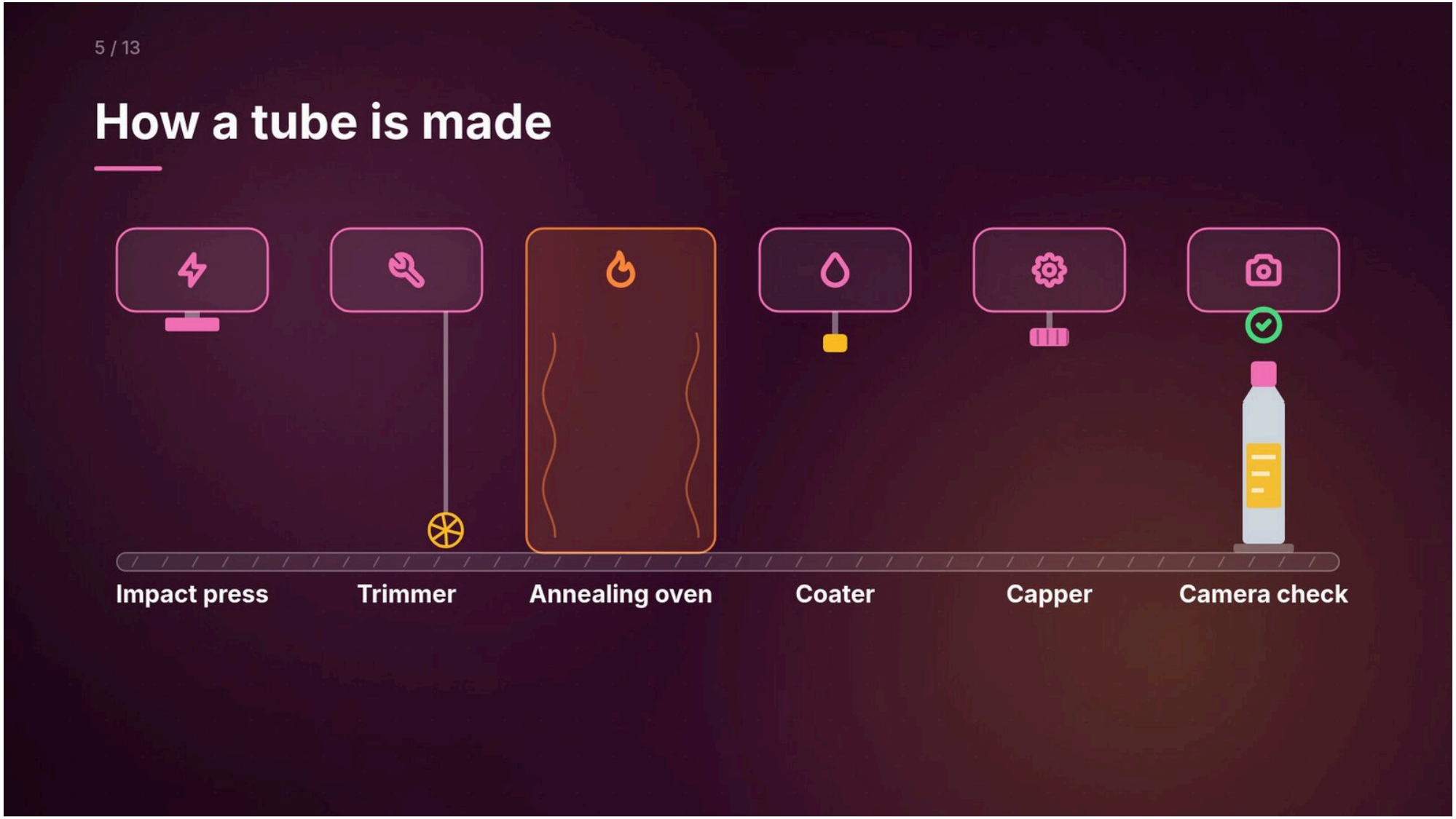
3 / 13 · What you must wear

Safety shoes with steel toe caps go on in the changing room and stay on. Wear hearing protection near the impact press, and safety glasses on the shop floor. Cut-resistant gloves are for handling trimmed tubes or changing blades. And always a hair net, no jewellery.



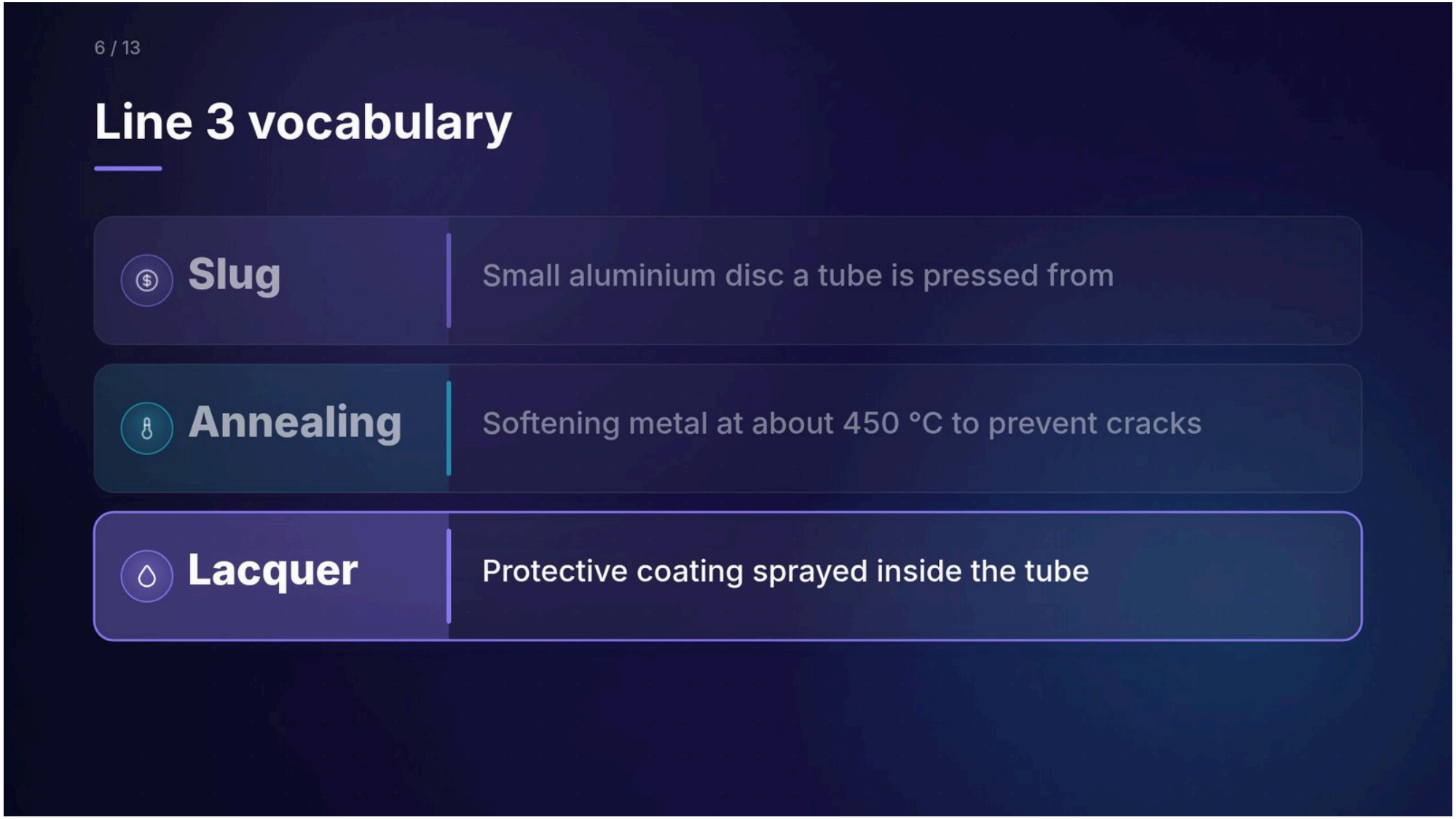
4 / 13 · The line from left to right

Here's Line 3 from left to right, from the impact press to packing, with the walkway in front. Notice the three red emergency stop buttons along the line, and the yellow line you stay behind.



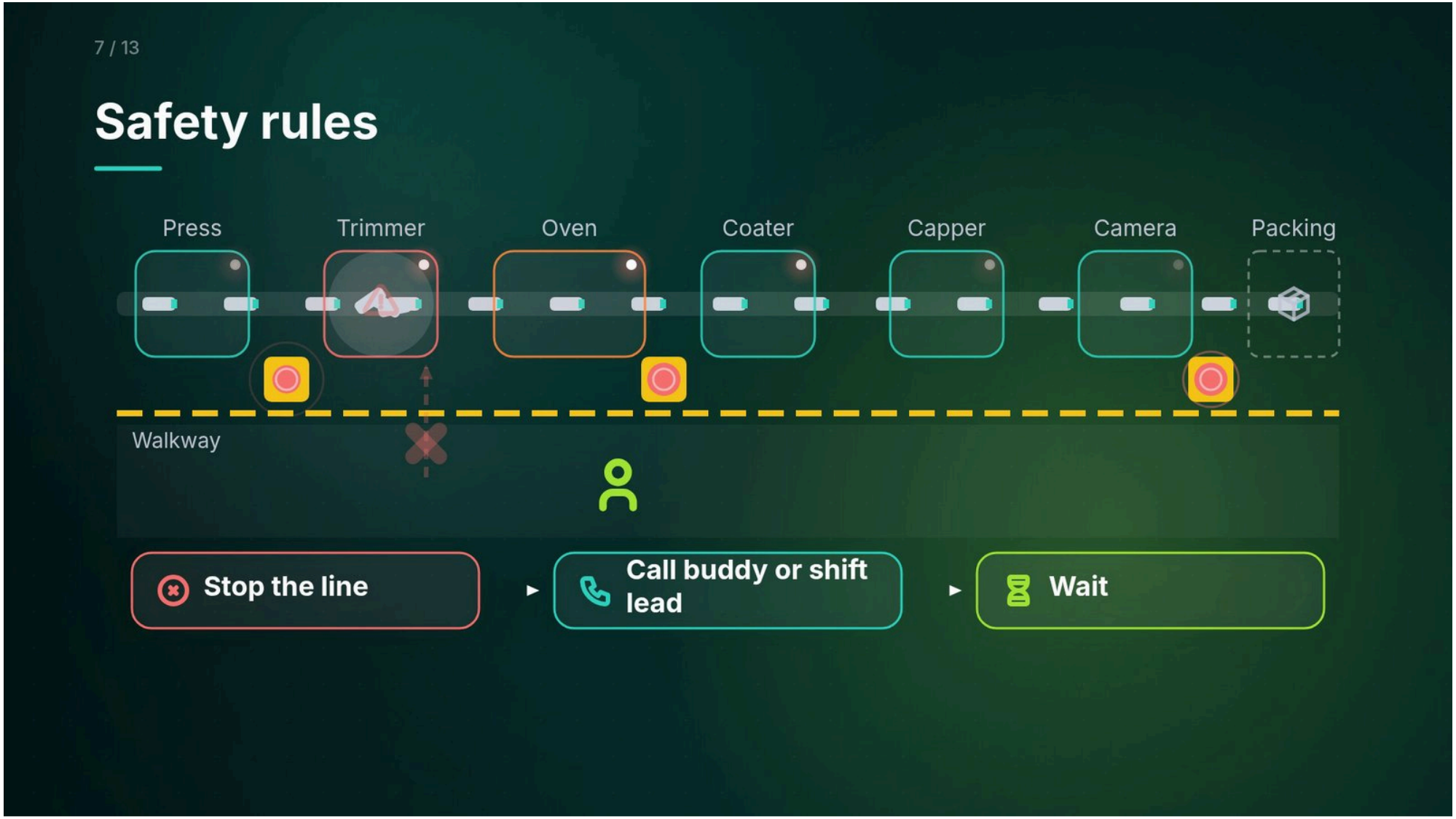
5 / 13 · Six stations

First, the impact press strikes an aluminium slug into a tube shape. The trimmer cuts it to length and threads the nozzle. The annealing oven softens the metal. The coater lacquers the inside and prints the outside. The capper screws on the cap. Finally, the camera check rejects faulty tubes.



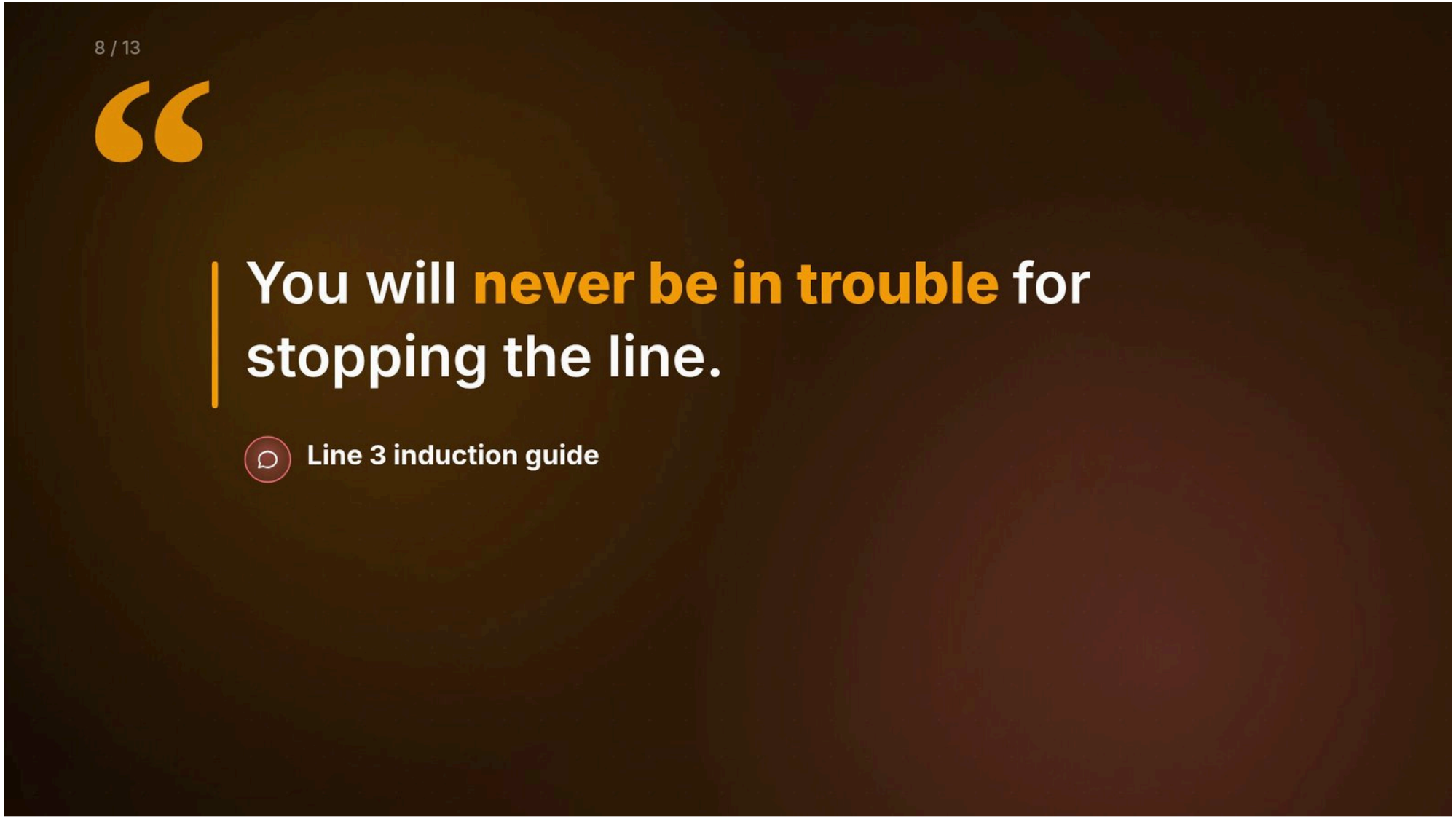
6 / 13 · Words you'll hear

A few words you'll hear on the line. The slug is the small aluminium disc every tube starts as. Annealing means heating the metal to about 450 degrees, so the tube squeezes without cracking. Lacquer is the protective coating sprayed inside.



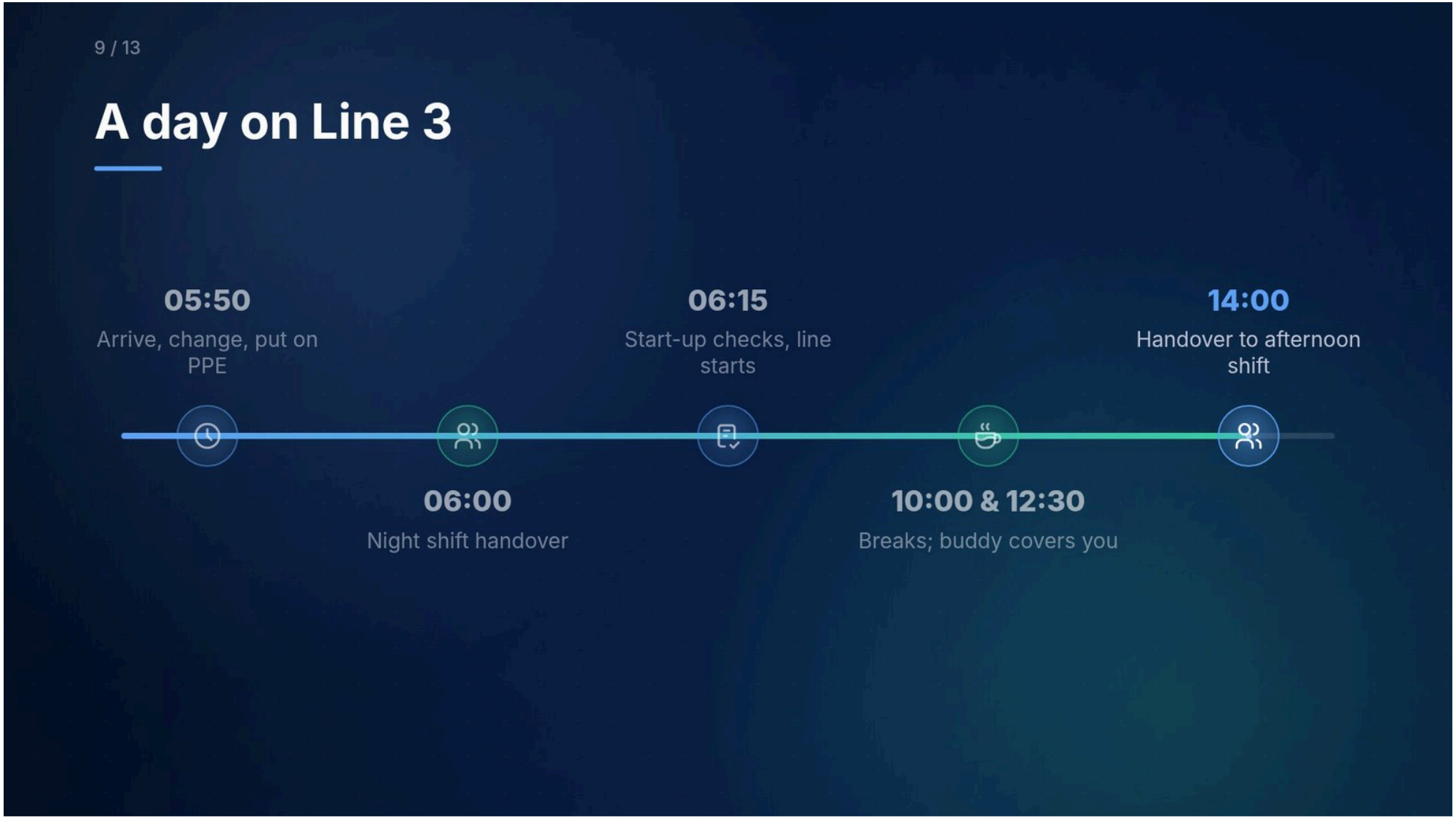
7 / 13 · Three rules for everyone

Rule one: know where the three stop buttons are, and press one if anyone is in danger. Rule two: stay behind the yellow line while the line runs. Rule three: never clear a jam by hand. Stop the line, call your buddy or shift lead, and wait.



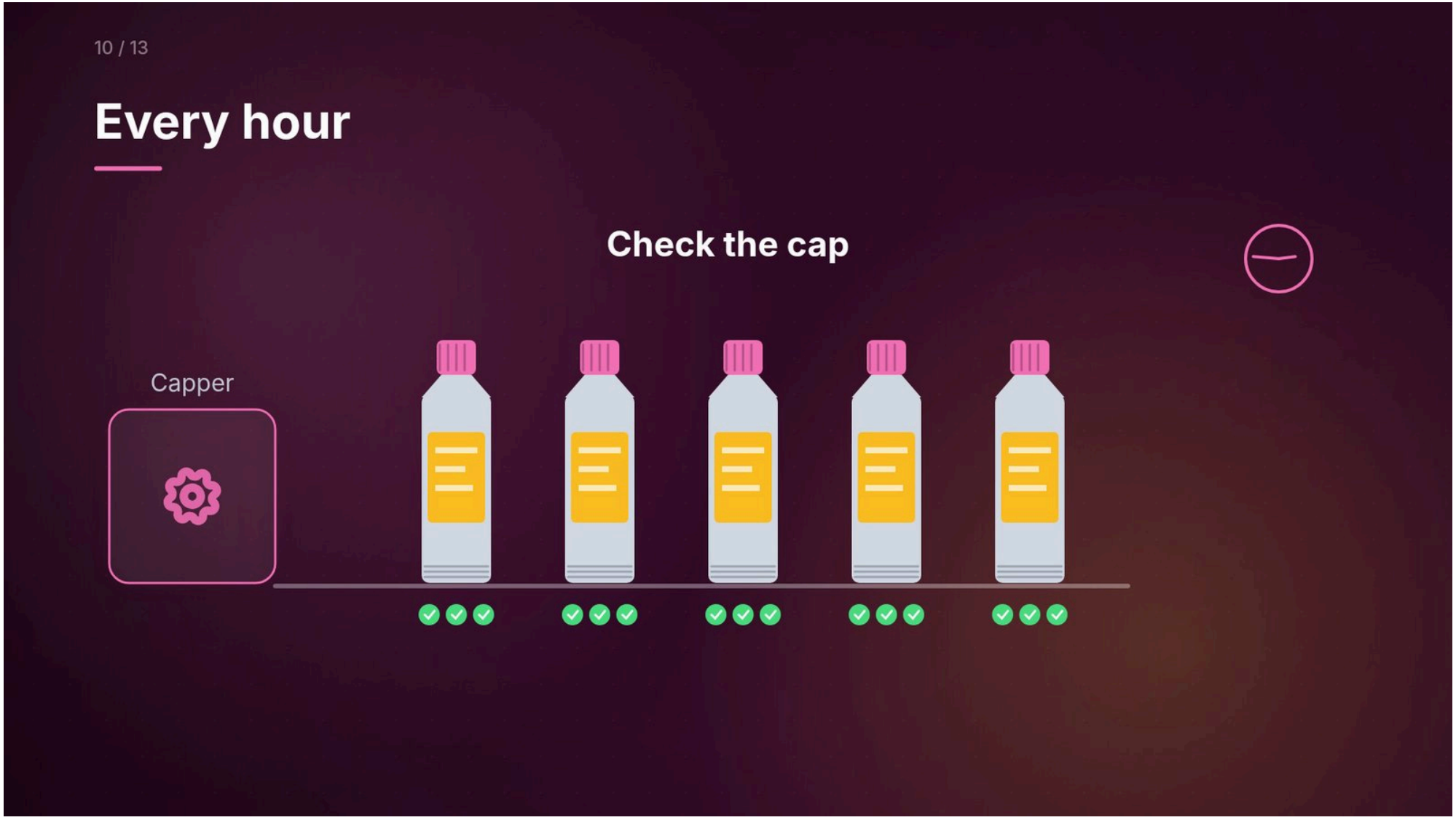
8 / 13 · Stopping is always right

The guide is clear on this point. If you stop the line because someone could be hurt, you have done the right thing. Jams in the trimmer and capper cause most hand injuries in tube plants.



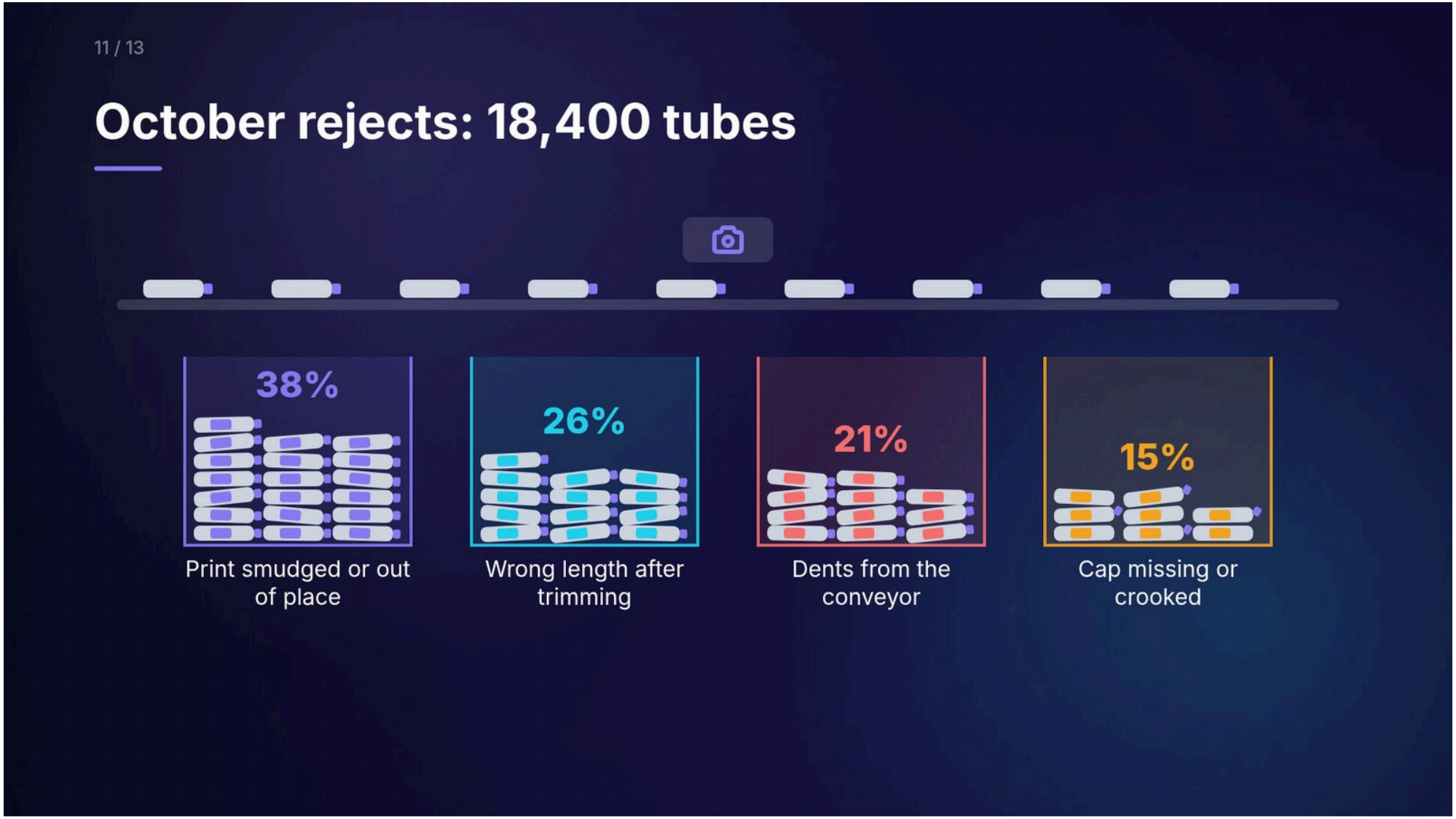
9 / 13 · Your shift

Arrive at 05:50 to change and put on your PPE. At 06:00 the night shift hands over at the Line 3 board. At 06:15 you do start-up checks with your buddy. Breaks are at 10:00 and 12:30, and you hand over at 14:00.



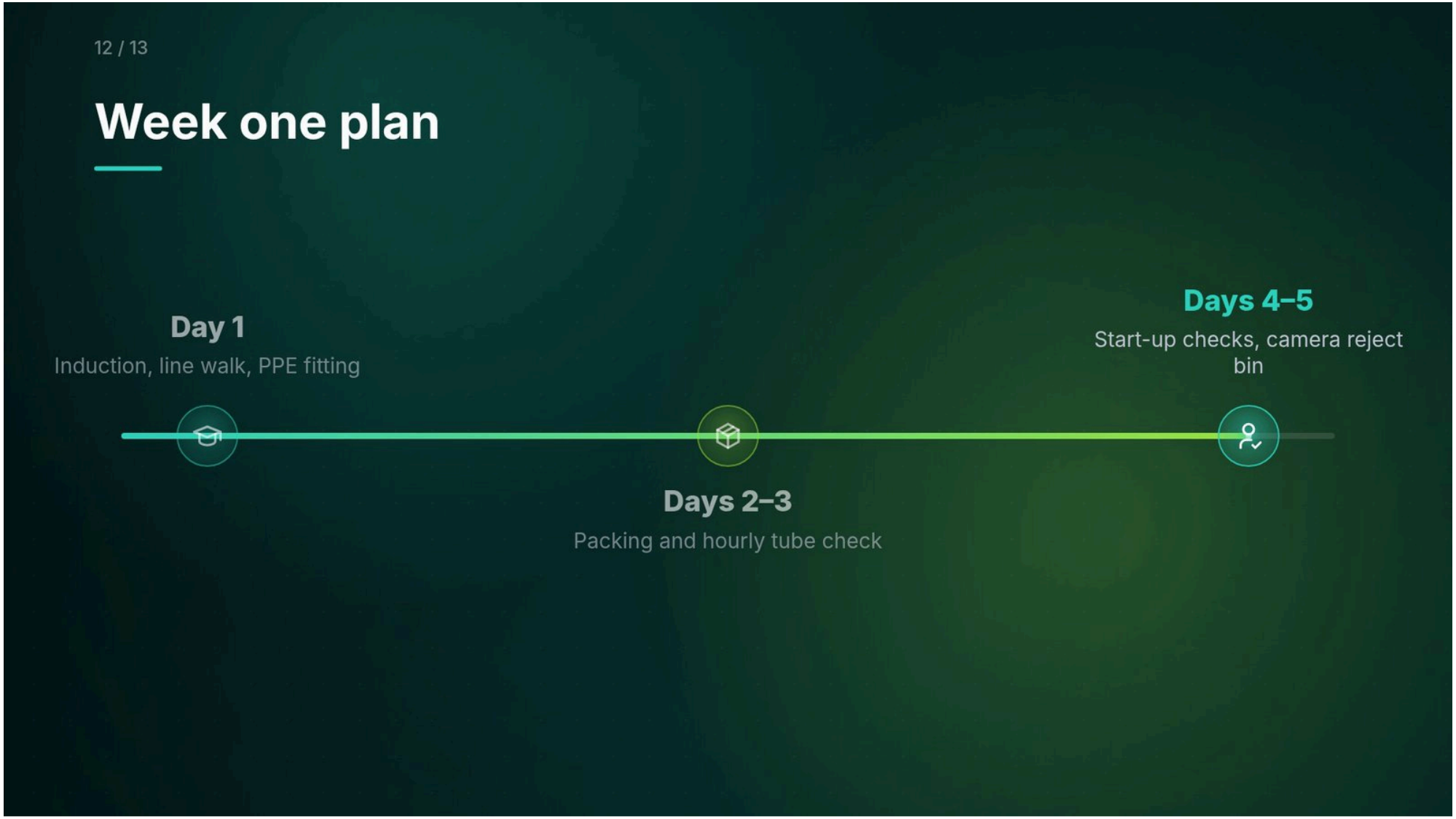
10 / 13 · The hourly tube check

Every hour, take five tubes from after the capper. Check that the length is right. Check the print. Then check the cap. This quick check catches problems early, before a whole hour of tubes is wasted.



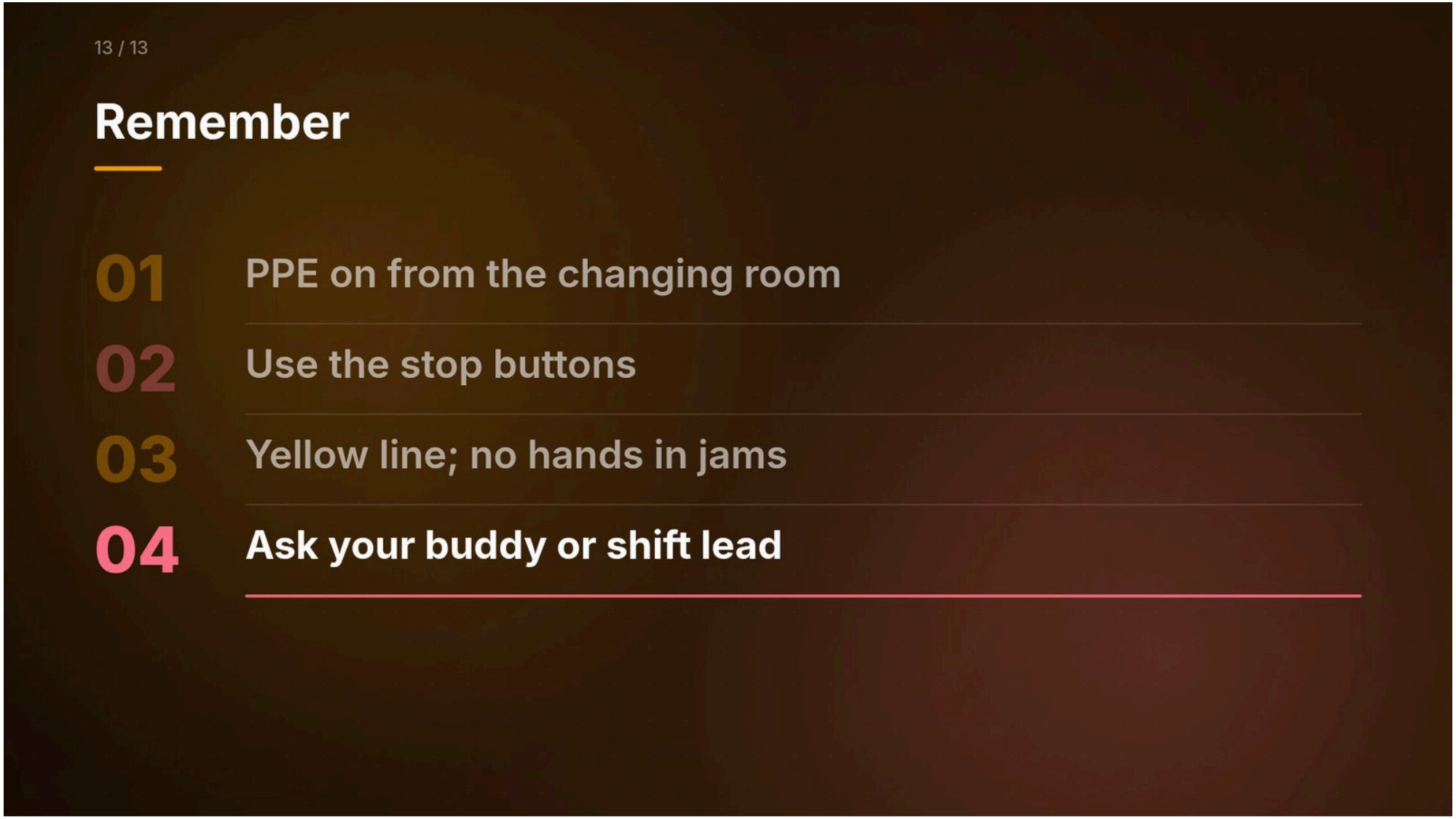
11 / 13 · Why tubes were rejected

In October the camera check rejected 18,400 tubes. Smudged or misplaced print caused 38 percent. Wrong length after trimming, 26 percent. Dents from the conveyor, 21 percent. And missing or crooked caps, 15 percent.



12 / 13 · Your first week

Day one is this induction, a walk along the line with your buddy, and PPE fitting. On days two and three you learn the packing station and the hourly check. On days four and five you do start-up checks and the reject bin, with your buddy watching.



13 / 13 · Recap

To recap: wear your PPE from the changing room on. Know the stop buttons and use them. Stay behind the yellow line, and never clear a jam by hand. Questions go to your buddy or the shift lead, and the first aid room is next to the changing rooms.