3D printers

Bambu Lab H2D with AMS 2 Pro



The four printers



The machine wall

No hands inside while it moves or heats

The hazards

- **Heat.** The nozzles reach up to 350 °C, the bed up to 120 °C and the chamber up to 65 °C. All of them stay hot after the print ends.
- **Moving parts.** The tool head moves fast and without warning. The bed moves up and down.
- **Fumes and fine particles.** Melted plastic gives off both, ABS and ASA more than PLA or PETG. The closed chamber and its filter keep them in.
- **Sharp tools.** Scrapers, cutters and the edges of supports cut skin easily.

Always

- Keep the door and the top closed while it prints
- Wait until the screen shows the bed has cooled before you take the plate out
- Take the plate out and flex it to release the part
- Stay for the first few layers of every print
- Use filament from the materials wall, or ask first
- Cut and scrape away from your body

Never

- Reach in while the printer is moving or heating
- Touch the nozzles or the heated bed
- Pry a part off while the plate is in the printer
- Print ABS, ASA or filled filaments without asking Nitai first
- Change nozzles or open covers. That is maintenance
- Spray or pour anything inside the printer

If something goes wrong

- Print failing or a strange noise: press pause or stop on the touchscreen.
- Smoke or a burning smell: stop the print, switch the printer off at its power switch, keep the door closed and tell Nitai.
- Burn: hold it under cool running water for 20 minutes. Don’t use ice. Tell Nitai.