Education pack: Theory of Operation

EDU-5 | Blaide product line | 17 November 2026 | Design only: nothing built or tested

Five machines are a scheduling problem as much as a hardware one. Longest-job-first onto the least-loaded printer finishes within a minute of the theoretical best for a typical class. The arithmetic also shows the limit: thirty full boards need about three hours, so a double lesson needs small boards or shared ones.

Design

- Five printers; jobs queued longest first onto the printer that frees up soonest
- Eight lessons, each with a board that already exists in this package: first printed trace, the blinker, mask coupon, via coupon, probe coupon, NFC tag, a two-sided board, free project
- Lid interlock means no exposed laser or spindle; bed-hot shown on the light line