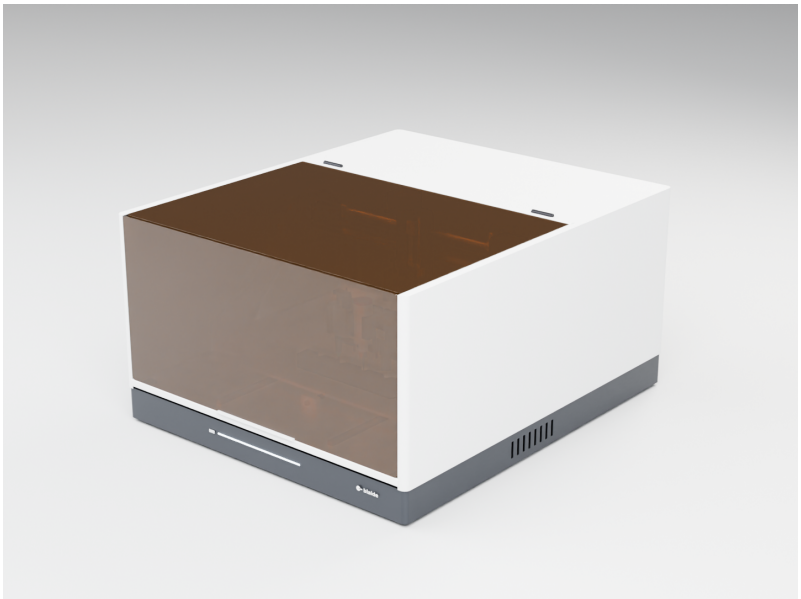
Pro machine: User Guide

S1-PRO | Blaide product line | 17 November 2026 | Design only: nothing built or tested | Draft



Using it

- **1.** Two people are needed to lift it.
- **2.** Use as the printer. Boards that need heat (printed silver, reflow) go in the heated zone marked on the bed.
- **3.** Larger milled or exposed boards may use the whole bed.

Safety

Hazard	Protection	What you must do
Same hazards as the printer	Same protections	Printer safety document applies in full
Weight	Two-person lift label	31 kg estimate; handles not designed

Specification

Parameter	Target
Board area	300 x 200 mm
Envelope	550 x 640 x 330 mm
Mass	about 30.8 kg (scaled from the model)
Bridge span	510 mm; calculated sag 18.3 um
Bed	330 x 230 mm; heated zone 180 x 140 mm
Full-bed heating would need	602 W (not adopted)
Tools, cartridges, boards, app	identical to the printer