Day-One Commissioning Record

Book 1 · Chapter 1 (Phases 1–4) and 1A · fill in before the first beam

Fill this in the day the machine arrives. The beam stays disabled until you have finished Chapters 2–4. Keep this sheet with the manual, the receipt and the eyewear data sheet. Manufacturer manuals win.

MACHINE IDENTITY (FROM THE RATING PLATE)

Make and model

Serial number

Wavelength on the plate (nm)

Power class (W)

Supply on the plate (V / A / plug)

Supplier

Delivery date

Manual version / date

- [ ] Air-cooled only (write “no chiller” on your wall checklist)
- [ ] Chiller fitted
- [ ] Manual says purge air is required
- [ ] Manual says no purge air is required

PHASE 1 · OFF THE PALLET

- [ ] Crate photographed on every side before opening
- [ ] Shock-watch / tilt indicators checked
- [ ] Dents around the cooling vents photographed
- [ ] Seller claim opened before power if the crate looks abused
- [ ] Umbilical uncoiled in wide loops: no kinks, crush marks or cuts
- [ ] Sacrificial window inspected with the cap off
- [ ] Chiller: level at the mark, correct fluid, transit clamps removed
- [ ] Lens cap back on; gun holstered

Indicator state, damage or missing parts

Photo references

PHASE 2 · MAINS POWER

- [ ] Circuit capacity checked against the rating plate
- [ ] Laser on its own run: no heater, kettle or compressor sharing
- [ ] RCD tested and it trips
- [ ] Supply earth confirmed; no adaptors invented
- [ ] Extension (if used): heavy-duty, fully unwound, rated above the draw
- [ ] No site generator unless it is a clean sine-wave inverter set

Breaker label (e.g. LASER — DO NOT SHARE)

RCD test date

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Phase 4 walkthrough · the beam stays disabled today

PHASE 4 · DAY-ONE SETUP (STEPS 1–11)

- ☐ **1 Floor.** Level, dry floor; vents clear; walking space round the umbilical; holster points away from doors and windows.
- ☐ **2 Chiller / coolant.** Level, fluid type and transit locks checked — or “air-cooled, no chiller” written on your checklist.
- ☐ **3 Power.** Circuit checked against the plate; plugged in with the E-Stop latched Off.
- ☐ **4 Earth.** Supply earth is real. No dodgy extension with a missing earth pin.
- ☐ **5 Interlock.** OEM door / room interlock plugs seated — or the door locked and a warning sign posted.
- ☐ **6 Eyewear.** BS EN 207 glasses marked for the plate wavelength, OD6+ (OD7+ preferred). Markings checked.
- ☐ **7 Extraction.** Running, moving air away from your face and out of the building. Hood about 100 mm from the work.
- ☐ **8 Compressed air.** If the gun needs purge air: dry path, trap drained, regulator at the OEM band, no oily shared line. Otherwise write “no purge air required”.
- ☐ **9 Window.** Cap off; inspected under good light; replaced if brown, pitted, cracked or fingerprinted.
- ☐ **10 Software on.** Boot sequence complete; beam enable stays Off until eyewear is on.
- ☐ **11 E-Stop test.** With the beam disabled, press the E-Stop and confirm the system latches safe.

STOP HERE

Steps 12–13 (finding the gun height on scrap and the first scrap pass) wait until you have finished Chapters 2–4. Day one ends with the beam disabled, the key habits set and the room ready for a safety read.

NOTES AND SIGN-OFF

Faults, missing parts or questions for the seller

Commissioned by	Date	Beam first enabled on (after Ch 2–4)

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