FOR CLINICS, BEAUTY SALONS & DISTRIBUTORS

TECHNICAL TRAINING HANDBOOK

Operator training · safety · workflow · records



A practical guide to the three handpieces, interface, screening, operation boundaries and session records. Built only from the supplied manufacturer material and conservative professional-use controls.

READ FIRST

Scope, authority & safe use

This handbook trains operators to recognise the system and follow an approved protocol. It does not create a treatment protocol.

01 Use only by trained professionals in an appropriate clinical or aesthetic setting.

02 The manufacturer’s instructions for use and local regulations override this handbook.

03 Device ranges are capability limits, not recommended starting settings.

04 Eye protection, client consent and a documented skin assessment are required.

05 If the exact model, accessory or protocol is unclear, stop and obtain written clarification.

> No model number, model-specific certificate or treatment-specific starting settings were supplied.

SYSTEM MAP

One console, three handpieces

The system is organised into IPL, diode and Q-switch paths. Select the matching handpiece and interface mode before setting any parameter.

01 IPL handpiece: filtered pulsed light and nine replaceable filters.

02 Diode handpiece: 808 nm hair-removal system with a rectangular spot.

03 Q-switch handpiece: four wavelengths with seven listed probe formats.

04 15.6-inch capacitive touchscreen with technology-specific screens.

> Do not interchange accessories between technologies unless the manufacturer explicitly approves it.



SYSTEM MAP · MANUFACTURER ARTWORK

HARDWARE

Parts, sockets & connections

Inspect the console, handpiece cables, sockets, power lead, water connections and foot switch before the first session of the day.

01 Confirm the emergency stop and main switch are accessible.

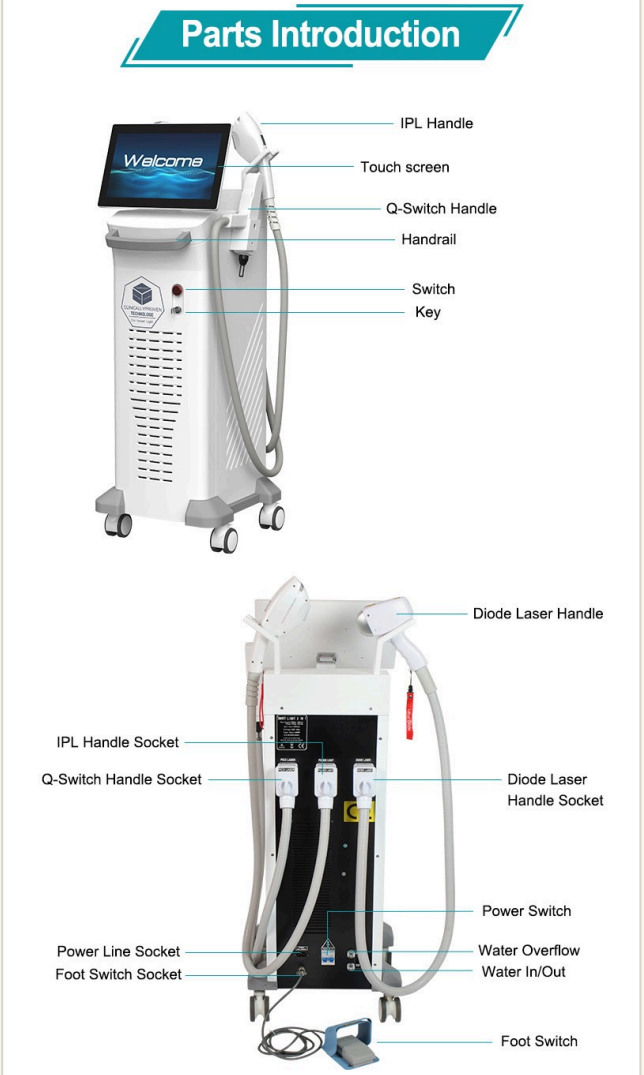
02 Check cables for cuts, crushing, loose connectors or strain.

03 Check water in/out and overflow only as described in the official instructions.

04 Keep the treatment area clear of cables and liquids.

05 Record defects and remove unsafe equipment from service.

> Never open the housing or bypass a safety interlock.



HARDWARE · MANUFACTURER ARTWORK

BEFORE TREATMENT

Room, client & skin screening

A repeatable session starts before the handpiece is picked up. Document suitability and the treatment area.

01 Clean and disinfect the treatment area according to clinic policy.

02 Review recent sun exposure, tanning, photosensitivity and active skin irritation.

03 Ask about previous reactions and current medicines or procedures when relevant.

04 Confirm consent, privacy and any photography consent separately.

05 The supplied artwork flags prolonged sun exposure or artificial tanning within 48 hours as unacceptable for treatment.

> When suitability is uncertain, defer treatment and refer to the responsible clinician.



BEFORE TREATMENT · MANUFACTURER ARTWORK

INTERFACE

Touchscreen navigation

The supplied screens show a common sequence: enter, choose the technology, select skin type or body part, then set output controls.

01 Confirm the selected technology before touching energy or frequency controls.

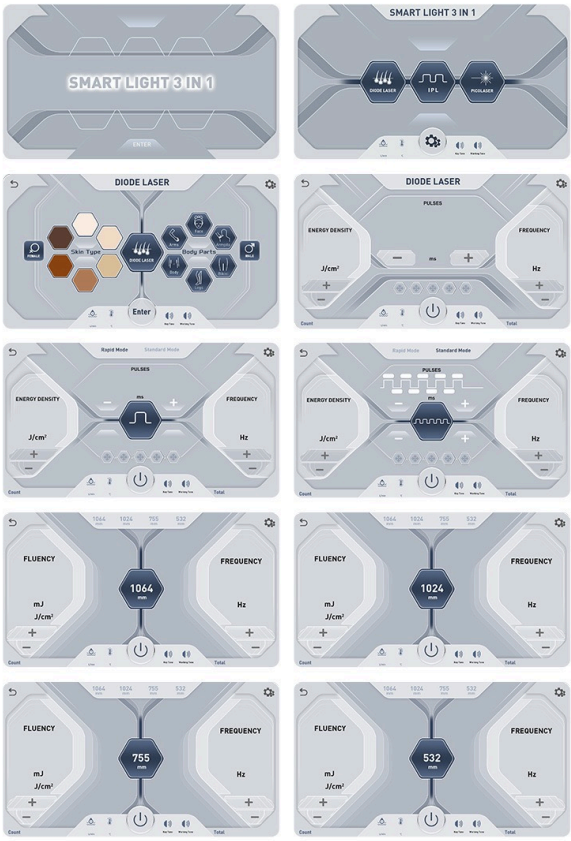
02 Verify units on screen: J/cm², mJ/cm², ms and Hz are not interchangeable.

03 Check pulse mode and shot-count display where applicable.

04 Return to the main technology screen before changing handpieces.

05 Record the final displayed settings, not only the intended settings.

> Interface wording may vary by software version. The actual screen is the authority.



INTERFACE · MANUFACTURER ARTWORK

TECHNOLOGY 01

IPL: principle & boundaries

IPL uses filtered pulsed light. Filter selection changes the wavelength band; it does not remove the need for a protocol.

01 Nine listed filters: 480, 515, 560, 570, 590, 615, 640, 695 and 750 nm.

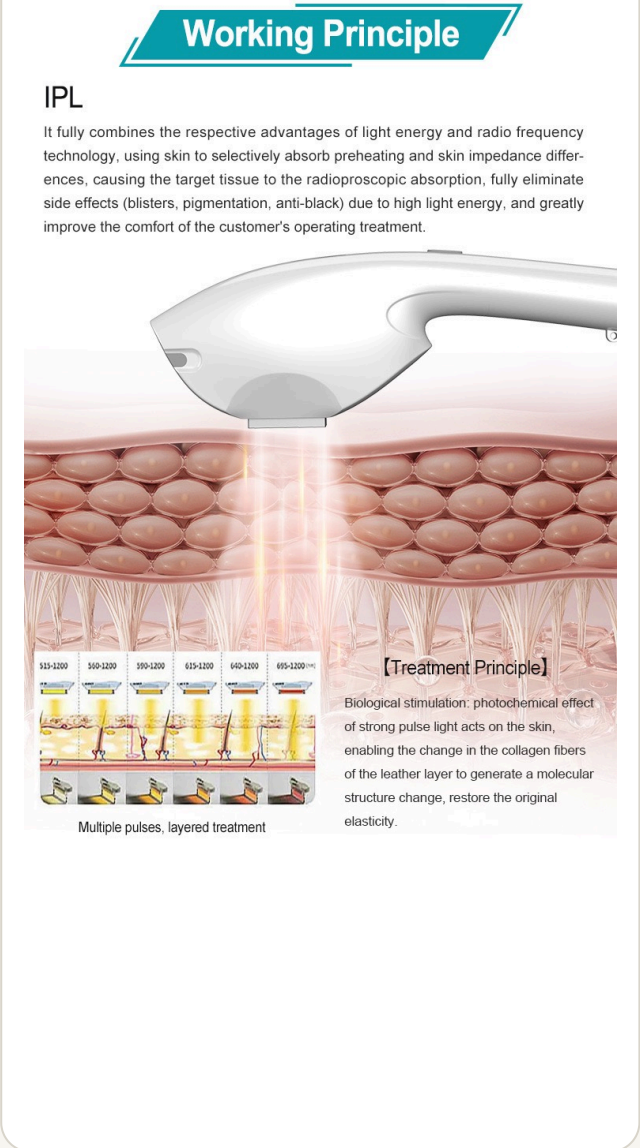
02 Manufacturer power: 1000 W.

03 Listed output range: 1–50 J/cm².

04 Listed pulse width: 1–9 ms.

05 Listed repetition rate: 1–5 Hz.

> The source artwork contains promotional language. This handbook keeps only the technical mechanism and published ranges.



TECHNOLOGY 01 · MANUFACTURER ARTWORK

IPL ACCESSORIES

Nine filters: identify before use

Read the wavelength marked on each filter and match it to the written protocol before insertion.

01 Inspect the filter surface for cracks, residue or damage.

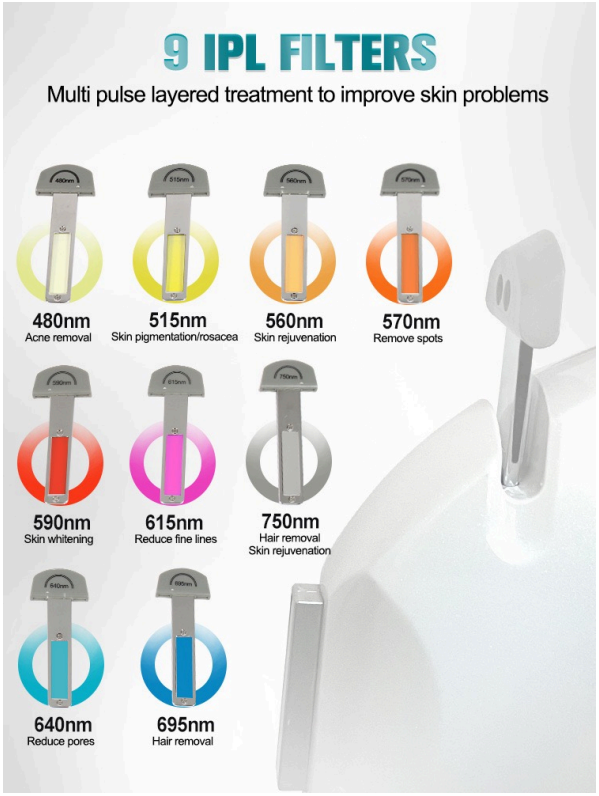
02 Confirm the filter is fully seated before enabling output.

03 Do not infer treatment suitability from filter colour alone.

04 Clean and store filters exactly as the manufacturer instructs.

05 Record the wavelength used for every session.

> This pack lists wavelengths only. Promotional application labels in source images are not reproduced as treatment claims.



IPL ACCESSORIES · MANUFACTURER ARTWORK

IPL HANDPIECE

Spot size & handpiece check

The IPL artwork gives a 40 × 10 mm treatment spot. The complete treatment surface must contact the skin as required by the approved protocol.

01 Inspect the treatment window and surrounding housing.

02 Check that the filter matches the intended program.

03 Confirm full contact and avoid gaps or angling.

04 Keep cables supported and do not pull the handpiece by the lead.

05 Stop if contact, cooling or skin response becomes abnormal.

> A larger handpiece housing is not the same as the treatment spot.



IPL HANDPIECE · MANUFACTURER ARTWORK

IPL WORKFLOW

IPL session sequence

Use the clinic's approved IPL protocol. The sequence below is a safety workflow, not a parameter prescription.

01 Screen, explain and document the treatment area.

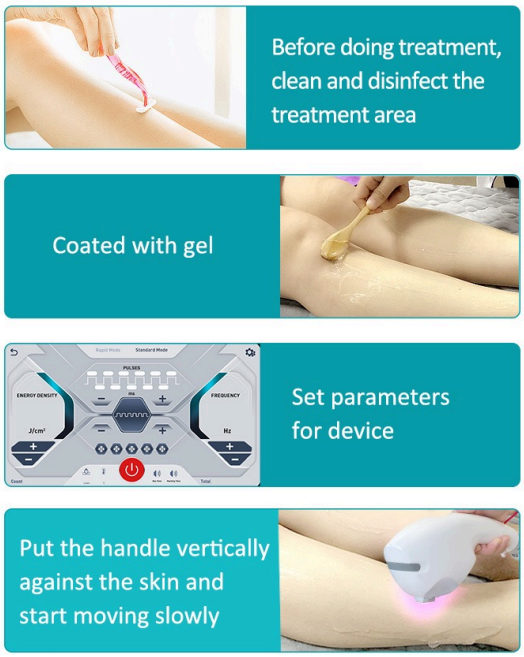
02 Clean the skin and apply the coupling medium specified by the protocol.

03 Select the correct filter and confirm the IPL interface mode.

04 Set parameters only from the approved protocol and perform the required test response.

05 Place the handpiece vertically, maintain full contact and move slowly while monitoring skin response.

> Stop for unexpected pain, excessive redness, blistering, loss of contact or any alarm.



IPL WORKFLOW · MANUFACTURER ARTWORK

TECHNOLOGY 02

808 nm diode: principle

The diode handpiece delivers 808 nm light for hair-removal programs. Suitability and settings depend on the approved protocol and the individual assessment.

01 Manufacturer power: 500 W (10 bar).

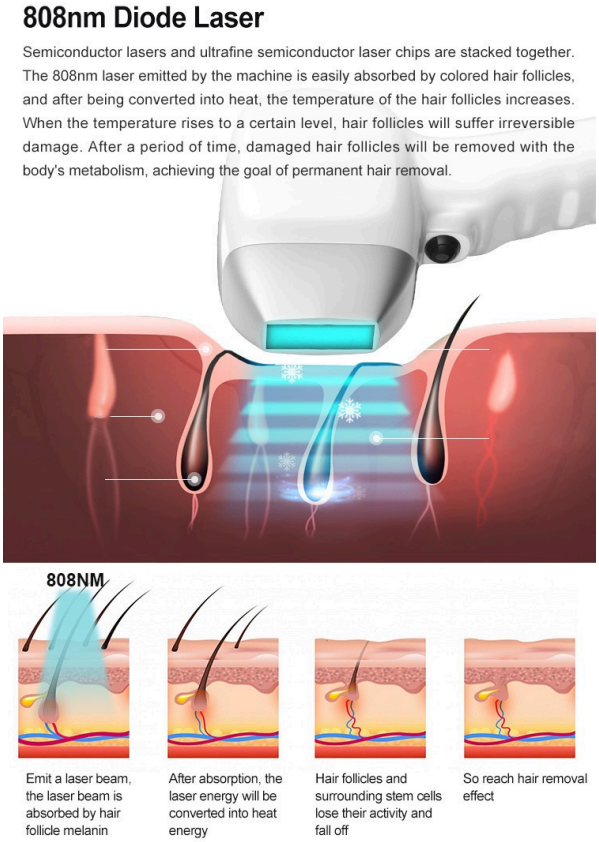
02 Wavelength: 808 nm.

03 Listed energy range: 1–30 J/cm².

04 Listed repetition rate: 1–10 Hz.

05 Hair-removal results vary; no session count or permanent result is promised.

> Do not describe the system as painless. Comfort is individual and must be monitored.



TECHNOLOGY 02 · MANUFACTURER ARTWORK

DIODE HANDPIECE

Spot size & cooling specification

The diode artwork specifies a 28 × 15 mm spot. Manufacturer graphics list 10 bar and −5 °C at the treatment tip.

01 Inspect the treatment window and cooling surfaces.

02 Confirm the correct handpiece and diode interface mode.

03 Maintain the contact angle and pressure required by the protocol.

04 Watch for hot spots, discomfort, condensation or a cooling alarm.

05 Record the displayed settings and observed skin response.

> The −5 °C figure is a manufacturer-listed tip specification, not a promise of a painless treatment.



DIODE HANDPIECE · MANUFACTURER ARTWORK

DIODE WORKFLOW

Diode session sequence

Follow the approved hair-removal protocol for preparation, shaving, test response, passes and aftercare.

01 Confirm the treatment area and remove hair only as the protocol requires.

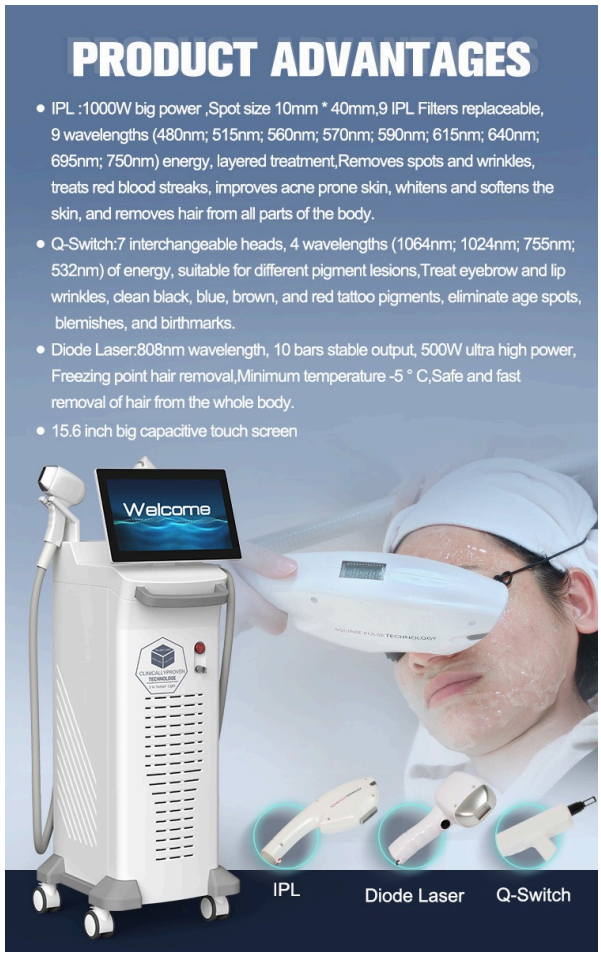
02 Prepare the skin and apply the specified coupling medium.

03 Set energy and repetition rate from the approved protocol.

04 Keep the spot fully coupled and use controlled, overlapping movement.

05 Pause to inspect the skin and confirm comfort throughout the pass.

> Avoid repeated firing on the same spot without the movement pattern required by the protocol.



DIODE WORKFLOW · MANUFACTURER ARTWORK

TECHNOLOGY 03

Q-switch: principle & boundaries

The Q-switch handpiece is a separate laser path for pigment and tattoo programs. It requires specific wavelength and probe selection.

01 Listed wavelengths: 1064, 1024, 755 and 532 nm.

02 Manufacturer power: 500 W.

03 Listed output range: 50–2500 mJ.

04 Listed repetition rate: 1–6 Hz.

05 Pigment and tattoo response varies; no complete removal is guaranteed.

> Q-switch operation requires trained personnel, wavelength-specific eye protection and a written protocol.



TECHNOLOGY 03 · MANUFACTURER ARTWORK

Q-SWITCH ACCESSORIES

Seven listed probes

Identify the probe by its wavelength marking and physical format before fitting it to the handpiece.

01 532 nm probe

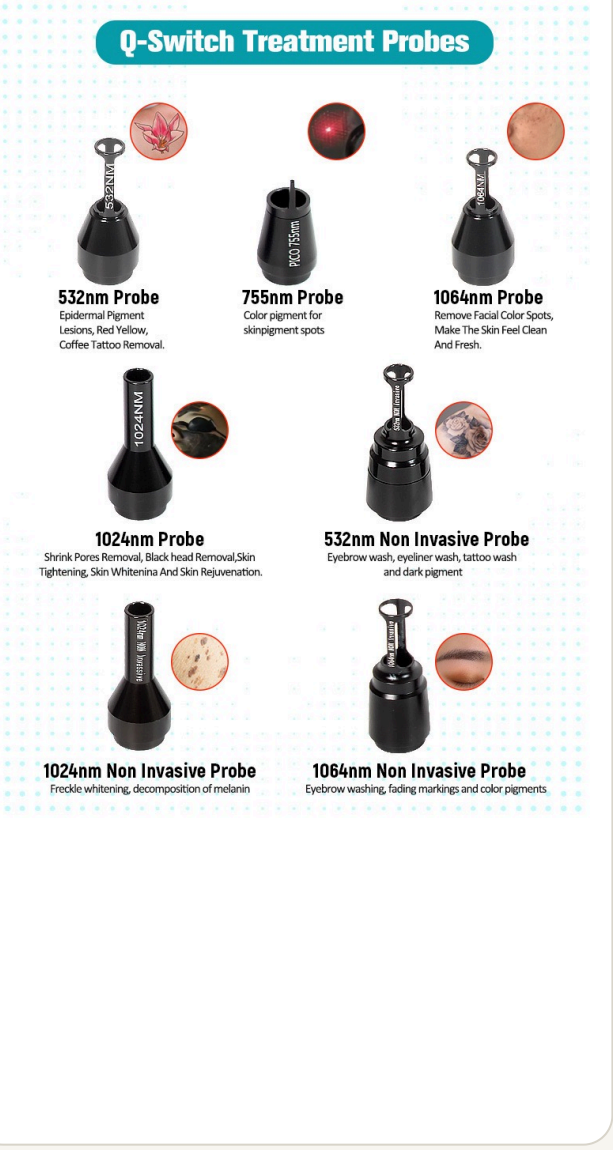
02 755 nm probe

03 1064 nm probe

04 1024 nm probe

05 532 nm, 1024 nm and 1064 nm probes labelled “non invasive” in the source artwork

> Probe format names are manufacturer labels. Confirm intended use and approved protocol before treatment.



Q-SWITCH ACCESSORIES · MANUFACTURER ARTWORK

Q-SWITCH WORKFLOW

Q-switch session sequence

The sequence below is a safety framework. It does not replace wavelength-specific training or the official protocol.

01 Confirm the indication, treatment area and written protocol.

02 Fit the correct probe and check it is secure.

03 Select the wavelength and verify fluence and frequency units.

04 Use the protocol's test-response step before broader treatment.

05 Use controlled passes, monitor tissue response and stop for adverse signs.

> Never select a wavelength from colour alone or from memory.



Q-SWITCH WORKFLOW · MANUFACTURER ARTWORK

PARAMETERS

Capability ranges, not a prescription

These are the ranges printed in the supplied parameter table. They define what the device can display, not where a treatment should begin.

IPL

Nine replaceable filters cover 480–750 nm. The IPL handpiece is listed at 1000 W with a 40 × 10 mm spot.

1–50 J/cm² · pulse 1–9 ms · 1–5 Hz

808 NM DIODE

A dedicated 808 nm handpiece with a 28 × 15 mm spot. Manufacturer artwork lists 10 bar and a -5 °C treatment-tip temperature.

1–30 J/cm² · 1–10 Hz

Q-SWITCH

A separate Q-switch handpiece uses 1064, 1024, 755 and 532 nm probes. Output is listed at 50–2500 mJ.

50–2500 mJ · 1–6 Hz

> If no approved protocol is available, do not improvise one from this table.

SAFETY

Stop rules & incident response

Stop output immediately when a safety boundary is crossed. Client comfort and equipment condition take priority over completing a pass.

01 Unexpected pain, burning or a sharp change in sensation.

02 Excessive redness, blistering, swelling or pigment change.

03 Eye exposure, reflected beam concern or damaged eyewear.

04 Loss of contact, hot spot, cooling failure, water leak or equipment alarm.

05 Stop, make the system safe, assess the client, escalate and document.

> Do not restart until the cause is understood and the responsible professional clears the equipment and client.

AFTER THE SESSION

Aftercare & documentation

Give only the aftercare approved for the technology and the individual client. Avoid promises and generic instructions copied from another platform.

01 Inspect and record the immediate skin response.

02 Provide written aftercare from the clinic’s approved protocol.

03 Advise sun protection and avoid picking or scrubbing as directed by that protocol.

04 Explain that reactions and results vary and provide a contact route for concerns.

05 Record products used, settings, area, response and advice.

> Any adverse reaction follows the clinic’s incident and referral policy.

CARE

Cleaning, inspection & maintenance

Routine care protects both the client and the handpiece. Follow the official instructions for approved agents, cooling system checks and service intervals.

01 Power down and isolate the system before cleaning.

02 Use only manufacturer-approved cleaning and disinfection methods.

03 Inspect treatment windows, probes, filters, cables and connectors.

04 Keep the console dry and maintain required water/cooling checks.

05 Schedule qualified service; never perform unauthorised electrical or laser repairs.

> Record cleaning, faults, service and replacement accessories in the equipment log.

FAULT FINDING

When the system does not behave normally

A fault is a reason to stop, not to bypass. Troubleshooting is limited to the checks authorised in the official instructions.

01 No output: confirm mode, accessory, connection and displayed status; stop if unresolved.

02 Screen or control fault: do not restart repeatedly; record the message and call service.

03 Temperature or water alarm: stop treatment and follow the shutdown procedure.

04 Cable, plug or housing damage: remove the unit from service.

05 After any safety trip, require qualified clearance before reuse.

> Never bypass interlocks, fuses, grounding or cooling protections.

CONSULTATION

Consent, expectations & records

A clear consultation protects the client and the operator. Explain the technology, limits and variable response without promising an outcome.

01 Confirm identity, treatment area, indication and suitability.

02 Explain the selected technology and why it was chosen.

03 Discuss expected process, possible discomfort and variable response.

04 Obtain informed consent and separate photography consent where required.

05 Record refusal, deferral or referral as clearly as a completed treatment.

> Do not use before-and-after images in sales or training material without verified provenance and appropriate consent.

SESSION RECORD

Treatment record template

Complete one record for every client and every technology used.

CLIENT / ID

DATE / OPERATOR

TECHNOLOGY

ACCESSORY / WAVELENGTH

AREA TREATED

DISPLAYED SETTINGS

SKIN RESPONSE

PRODUCTS USED

AFTERCARE GIVEN

INCIDENT / REFERRAL

- ☐ Screened
- ☐ Consent signed
- ☐ Eye protection

CLIENT SIGNATURE

OPERATOR SIGNATURE

QUICK CARD

Before · during · after

Keep this page with the equipment log. It is a reminder, not a replacement for the protocol.

BEFORE

1. Suitability and consent documented
2. Correct technology and accessory
3. Units and approved settings checked
4. Eye protection and room ready
5. Test response completed

DURING

1. Full contact and controlled movement
2. Comfort and skin response monitored
3. No repeated firing on one spot
4. Stop rules understood
5. Alarms treated as stop signals

AFTER

1. Skin inspected and recorded
2. Approved aftercare given
3. Settings and response logged
4. Incidents escalated
5. Equipment cleaned and checked

Ranges printed in this pack describe device capability. They are not starting settings or a treatment prescription.

SOURCE & SIGN-OFF

What is known, what is still open

This handbook is deliberately explicit about the limits of the supplied material.

01
Source set: 25 manufacturer artwork images supplied on 25 November 2026.

02
Commercial name used here: KOLIFU 3 IN 1 LASER. Exact model number is not published.

03
No model-specific certificate was supplied. Documentation is on request per model.

04
No treatment-specific starting settings, course intervals or clinical protocol were supplied.

05
Official instructions for use, approved protocol and local law remain the final authority.

TRAINING & SIGN-OFF

OPERATOR	TRAINER	DATE

> Trainer and operator sign-off confirms training received; it does not certify regulatory compliance.