**Finebeam Dual**(Sales & Marketing)

**Wavelengths Overview:**

| **Wavelength** | **Penetration Depth** | **Target Chromophore** | **Main Applications** |
| --- | --- | --- | --- |
| **532 nm** | Superficial (epidermis) | Melanin & hemoglobin | Pigmented lesions, vascular lesions |
| **1064 nm** | Deeper (dermis) | Melanin, water, and blood vessels | Hair removal, deep pigment, vascular lesions, skin rejuvenation |

**Q-Switched Nd:YAG (532nm & 1064nm)**

These deliver high-energy, ultra-short pulses (nanoseconds),
ideal for **photoacoustic effect,** and breaking pigment particles.

**532nm Q-Switched**

* **Indications:**
	+ Superficial pigmented lesions (e.g., freckles, solar lentigines, age spots)
	+ Epidermal melasma
	+ Red/brown tattoos
* **Best for:**
	+ Fairer skin types (Fitzpatrick I–III), because of higher melanin absorption

**1064nm Q-Switched**

* **Indications:**
	+ Deep dermal pigment (e.g., nevus of Ota, dermal melasma)
	+ Black/blue tattoos
	+ Skin brightening or toning (e.g., laser toning for melasma)
* **Best for:**
	+ All skin types, including darker skin (Fitzpatrick IV–VI), due to deeper penetration and lower melanin absorption

**Long Pulse Nd:YAG (1064nm)**

This delivers longer-duration pulses (milliseconds), allowing **thermal coagulation** rather than pigment shattering.

**Indications:**

* Hair removal (especially for darker skin types)
* Vascular lesions (telangiectasia, leg veins, hemangiomas)
* Skin tightening & collagen stimulation
* Inflammatory acne treatment
* **Best for:**
	+ All skin types, especially safer on darker skin tones (IV–VI)
	+ Treating deeper vascular and structural issues

**Summary Table:**

| **Wavelength & Mode** | **Best Used For** | **Safe For Skin Types** |
| --- | --- | --- |
| 532nm Q-Switched | Superficial pigment, red tattoos | I–III |
| 1064nm Q-Switched | Deep pigment, toning, black/blue tattoos | I–VI |
| 1064nm Long Pulse | Hair removal, vascular lesions, skin tightening | I–VI |

If you're selling or explaining these devices, a practical way to frame them is:

* **532nm Q-Switched:** Perfect for treating age spots, sunspots, and red tattoos on fair skin.
* **1064nm Q-Switched:** Ideal for deep pigment removal and tattoo clearing on all skin types.
* **1064nm Long Pulse:** A versatile tool for permanent hair reduction, vascular therapy, and non-invasive skin tightening.

**Finebeam Dual
Sales Guide**(532nm & 1064nm Q-Switched / Long Pulse Nd:YAG Laser)

**Product Overview**

Our advanced Nd:YAG laser system combines **Q-Switched** and **Long Pulse** technologies in a single platform, delivering superior results across multiple skin concerns.

**Key Features:**

* Dual wavelength: 532nm & 1064nm
* Dual pulse modes: Q-Switched & Long Pulse
* FDA-cleared for aesthetic use
* Touchscreen interface & multiple spot sizes
* Suitable for all skin types (Fitzpatrick I–VI)

**Technology Breakdown & Clinical Benefits**

| **Mode** | **Wavelength** | **Penetration** | **Target** | **Indications** | **Skin Types** |
| --- | --- | --- | --- | --- | --- |
| Q-Switched | 532nm | Superficial (epidermis) | Melanin, Hemoglobin | Freckles, Sunspots, Red/Brown Tattoos | I–III |
| Q-Switched | 1064nm | Deep dermis | Melanin | Nevus of Ota, Melasma, Black/Blue Tattoos, Toning | I–VI |
| Long Pulse | 1064nm | Deep | Hair Follicle, Blood Vessels, Collagen | Hair Removal, Leg Veins, Rosacea, Skin Tightening | I–VI |

**Top Indications to Emphasize Sales**

**1. Pigmented Lesion Removal**

* Q-Switched 532nm & 1064nm
* Fast, non-invasive pigment clearance
* Excellent for sun-damaged skin, age spots, freckles

**2. Tattoo Removal**

* Effective for red, black, blue, and green ink
* Dual wavelength targets both superficial and deep pigment

**3. Melasma & Skin Brightening**

* Laser Toning with 1064nm Q-Switched
* Gentle, cumulative treatment for brighter skin

**4. Hair Removal**

* Long Pulse 1064nm
* Safe for darker skin types, even tanned skin
* Minimal downtime, long-lasting results

**5. Vascular Lesions & Leg Veins**

* **Long Pulse 1064nm**
* Treats spider veins, telangiectasia, hemangiomas

**6. Skin Rejuvenation**

* Promote collagen remodeling
* Non-ablative skin tightening and lifting

**Sales Talking Points**

* Two lasers in one system – treat pigment, tattoos, veins, and hair with one versatile device.
* Safe for all skin types – including ethnic and darker skin tones.
* Minimal downtime and high ROI for clinics – treat a wide range of patients.
* FDA-cleared and backed by clinical results.
* Trusted Nd:YAG technology with precision and durability.

**Ideal Customers**

* Dermatology clinics
* Medical spas
* Plastic surgery centers
* Aesthetic chains & franchises
* Tattoo removal clinics

**Return on Investment (ROI) Idea**

| **Treatment** | **Price per Session** | **Sessions (avg.)** | **Est. Yearly Revenue** |
| --- | --- | --- | --- |
| Pigment Removal | $500 | 12/month | $72,000 |
| Tattoo Removal | $500 | 12/month | $72,000 |
| Hair Removal | $500 | 12/month  | $72,000 |
| Skin Rejuvenation | $500 | 12/month | $72,000 |

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 Yearly Total: $288,000

 Finebeam Dual MSRP: $128,800