

HIRONIC PICOHI 300

Hironic PICOHI 300

Condensed Executive Summary

Brand / manufacturer	Hironic Co., Ltd.	Core wavelengths	1064 and 532 nm
U.S. market history	FDA-cleared since 2021	Current U.S. price	\$95,000 advertised new
Executive assessment. PICOHI 300 delivers credible high-energy 1064/532 nm picosecond performance, large spot options and an unusually broad applicator package for its price.			

What It Is

Hironic PICOHI 300 is a dual-wavelength picosecond Nd:YAG platform combining 1064 and frequency-doubled 532 nm output with pulse durations of approximately 300 and 275 ps. It offers strong published pulse energy, up to 1.67 GW peak power at 1064 nm, and a broad optical toolkit that includes zoom, collimated, VMLA, ZMLA and DOE applicators.

FDA and Market History

Hironic introduced PICOHI in July 2019 as a Korean-developed picosecond platform emphasizing short pulses, high peak power and multiple beam-delivery modes. The device received FDA 510(k) clearance K201773 on October 19, 2021. As of September 2026, it has therefore had approximately five years of FDA-cleared U.S. market eligibility, although its actual domestic installed base appears materially smaller than those of the leading Candela, Cynosure and Lutronic platforms.

Core Specifications

Specification	Published value / buyer interpretation
Laser architecture	Picosecond Nd:YAG at 1064 nm with frequency-doubled 532 nm output.
Pulse duration	Approximately 300 ps at 1064 nm and 275 ps at 532 nm.
Maximum pulse energy	Published up to 500 mJ at 1064 nm and 250 mJ at 532 nm.
Peak power / fluence	Published 1.67 GW at 1064 and 0.91 GW at 532; FDA table lists up to 16 J/cm2.
Spot sizes	FDA-listed range 1.5-13 mm across zoom, collimated, VMLA, ZMLA and DOE delivery.
Repetition rate	1, 2, 5 and 10 Hz; FDA maximum 10 Hz.

Principal Strengths

- **True short-pulse output.** Published pulse durations of 300 ps at 1064 nm and 275 ps at 532 nm are competitive.
- **High 1064 nm pulse energy.** Up to 500 mJ produces a published peak power of 1.67 GW.
- **Versatile delivery system.** Zoom, collimated, VMLA, ZMLA and DOE applicators support varied spot and fractional workflows.
- **Large treatment footprints.** VMLA reaches 13 mm, ZMLA adjusts from 4-12 mm and DOE delivers a 10 mm 7x7 array.
- **Clear FDA tattoo labeling.** The clearance identifies ink colors and Fitzpatrick ranges by wavelength.

Limitations and Buyer Risks

- **Only two wavelengths.** There is no dedicated 755, 785, 730, 694, 650 or 585 nm channel for difficult multicolor ink.
- **Narrower cleared scope than marketing.** K201773 covers tattoos and benign pigmentation, not scar or rejuvenation claims.
- **Smaller U.S. support footprint.** Domestic installations, field engineers, loaners and stocked parts are less visible than for market leaders.
- **Warranty details are unpublished.** The advertised OEM warranty has no public duration or complete exclusions.
- **Large facility requirement.** The console is approximately 120 kg and requires 220-240 V, 20 A power.

Best Fit

PICOHI 300 may be best suited for a tattoo-removal or pigment-focused practice that wants high-energy 1064/532 nm performance, broad spot-size flexibility and fractional optics at a price below many premium-brand systems. It is most compelling when the selling distributor can document installation, training, response-time commitments, parts access and a meaningful written warranty, and when the practice has appropriate 220-240 V electrical service.

Ownership Considerations

Buyer item	What to confirm in writing
Current new price	\$95,000 advertised by a U.S. seller; confirm configuration, freight, installation and training.
Warranty	OEM warranty advertised, but duration and exclusions are not publicly stated; obtain full written terms.
Current product / availability	Active on Hironic global site; U.S. inventory appears limited or preorder-dependent.
U.S. service structure	Seller reports training and technical support; verify authorization, field coverage and parts stock.

Bottom Line

PICOHI 300 is a technically credible dual-wavelength platform with genuinely short pulses, strong 1064 nm energy, large treatment spots and a useful fractional delivery suite. Its key limitation is not core laser output but ownership certainty: the U.S. installed base is relatively small, only two wavelengths are provided, and public warranty, service and recertification terms are sparse.

Buyer note: Specifications, indications, pricing, warranty and service terms should be verified for the exact quoted configuration. This profile is a purchasing aid, not clinical, legal or regulatory advice.