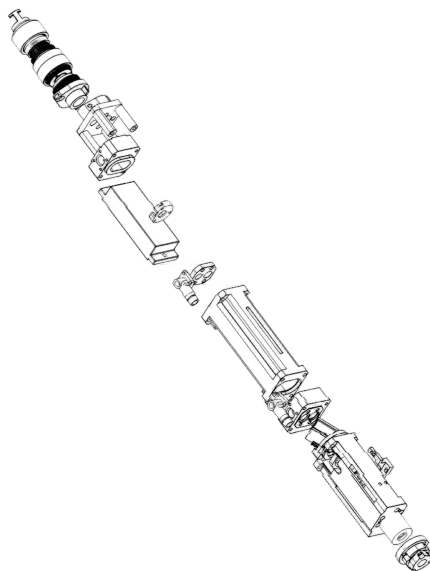


Laser Handpiece and Core Module Portfolio

Integrated OEM Laser Delivery Solutions
for Aesthetic Systems



Precision. Proven



Lasetica · China · 2025

About Us

Lasetica (Jinan) Co., Ltd. (established 2025) is a specialist manufacturer founded by a seasoned team from the handheld aesthetic laser industry, focusing on high-quality, rapid-response OEM/ODM services. Leveraging years of industry experience and deep insights into foundational technical principles, our core team provides global clients with highly customized solutions that far exceed industry standards, ensuring both exceptional quality and rapid delivery.

Technical Capabilities

Deep Expertise in Laser Engineering:

- 20+ years in Nd:YAG for aesthetic and dermatologic applications
- Expertise in active/passive Q-switching and frequency doubling
- Energy stability $\leq 5\%$ RMS

Product Portfolio

Versatile Handpiece Solutions:

- N1 Standard — passive Q-switch; cost-effective
- D1 High-Energy — passive Q-switch; for deep pigment removal and large-area treatments
- S1 Precision — EO (active) Q-switch; precise control

Customization Capabilities

OEM/ODM partner enabling rapid innovation.

- Full customization: parameters and appearance
- Accelerated prototyping: technical proposal and quote within 10 days; samples in 8–12 weeks
- Your IP remains confidential under NDA

Global Support

Global reach, dependable support.

- 30+ countries served: a network you can rely on
- Rapid response: spare parts dispatched within 48 hours; technical support 10 hours/day, 7 days/week
- Team empowerment: training and documentation included



Leo

Laser R&D Expert (20+ Years)
· Leads core technology architecture for precision and energy stability.



Ryan

Operations & Supply Chain Lead (18+ Years) ·
Engineering a customer-centric network for rapid delivery and reliable service.



Duncan

Senior Industrial Engineer ·
Fusing ergonomic design with process optimization for long-term reliability.

Customization Services

Every customer's needs are unique. Lasetica delivers both standardized products and **customized solutions**, from parameter adjustment to full OEM/co-development, tailored to your specific requirements.



Parameter Customization

Customize core parameters—energy output, pulse width range, energy density, specific wavelengths—to precisely match end-user treatment needs.



Industrial Design & Appearance

Logo engraving, color customization, integrated internal structure and enclosure design—create exclusive products that match your brand image.



Optical Customization

Customizable spot size, spot uniformity (RSD), wavelength combination to meet diverse treatment scenarios.



Integration Interfaces

Flexible adaptation to integrated systems—electrical interfaces, control protocols, cooling interfaces and other technical specifications.



Deep OEM Cooperation

Complete solution design, exclusive technology licensing, end-to-end customization.



Fast Delivery

Standard: 2–3 weeks; Customized: 4–6 weeks; Deep OEM: 8–12 weeks; NDA supported

Specification Comparison

Parameter	N1 (Standard)	D1 (High Energy)	S1 (Precision)
Wavelength	1064/532 nm	1064/532 nm	1064/532 nm
Energy Output	180–230 mJ (single pulse)	≤450 mJ (single pulse)	≤450 mJ
Pulse Width	8–12 ns	4.5–12 ns	6–10 ns
Peak Power (estimated)	12–25 MW	20–40 MW	25–50 MW
Energy Stability	≤5% RMS	≤5% RMS	≤4% RMS
Cooling Flow	2–3.6 L/min	2–3.6 L/min	2–3.6 L/min
Recommended Applications	Entry-level equipment, standard pigment treatment	Deep pigment removal, large-area treatment	advanced treatments, research applications

Optional Accessories

Accessory Name	Specification	Compatible Models
532 nm Frequency Doubling Head	Green light output, pigment treatment enhancement	N1/D1/S1
Replaceable Focus Head Kit	3 spot sizes (2/3/5 mm)	N1/D1/S1
Honeycomb Spot Treatment Head	RSD ≤10%, uniformity enhancement	N1/D1/S1
Pixel Spot Treatment Head	7×7 pixel spot array	N1/D1/S1
External Trigger Interface	TTL signal, research applications	S1 only

S1 Series

Precision Control Flagship



Key Product Features

Ultra-Narrow Pulse Width

6–10 ns ultra-narrow pulse, EO (active) Q-switch technology delivers selective photothermolysis for targeted interaction while minimizing collateral thermal impact.

Full Parameter Adjustability

Energy and frequency independently adjustable—energy 10–450 mJ, frequency 1–15 Hz, pulse width 6–10 ns—adapting to various treatment protocols.

Superior Stability

≤4% RMS energy stability; 8-hour continuous operation fluctuation ≤3%, supporting consistent output and system reliability.

Premium Applications

Ideal for high-end aesthetic equipment, research applications, precision treatment scenarios—meeting strict requirements for energy and frequency control.

Product Parameters

Wavelength	1064 nm (532 nm)	Energy Output	≤450 mJ
Pulse Width	6–10 ns	Peak Power	25–50 MW
Energy Stability	≤4% RMS	Cooling Flow	2–3.6 L/min

Note: Unless otherwise stated, parameters are measured at 25±2 °C, rated cooling, standard optical interface conditions; maximum energy typically corresponds to low-frequency mode; peak power is an estimated value.

D1 Series

High-Energy Platform for Deep Treatments



Key Product Features

High Energy Output

Single pulse energy up to 450 mJ, providing sufficient energy margin for deep pigment removal and large-area treatment.

Large Spot Coverage

Equipped with 6–8 mm large spot focus head, adapting to various treatment scenarios, significantly improving work efficiency.

Proven Reliability

≤5% RMS energy stability, validated by factory burn-in testing (48–72 hours) for long-term stable operation.

Professional Applications

Ideal for deep pigment removal, large-area treatments, professional aesthetic systems requiring high energy.



Product Parameters

Wavelength	1064 nm (532 nm)	Energy Output	≤450 mJ
Pulse Width	4.5–12 ns	Peak Power	20–40 MW
Energy Stability	≤5% RMS	Cooling Flow	2–3.6 L/min

Note: Unless otherwise stated, parameters are measured at 25±2 °C, rated cooling, standard optical interface conditions; maximum energy typically corresponds to low-frequency mode; peak power is an estimated value.

N1 Series

Cost-Effective Standard Platform



Key Product Features

Efficient Energy Output

Peak single-pulse energy up to 230 mJ, covering most standard pigment treatments.

Easy Maintenance

Modular design for convenient maintenance, reducing equipment downtime.

Fast Delivery

Standardized platform and mature processes shorten the lead time from technical proposal to mass production.

Recommended Applications

Entry-level aesthetic systems; standard pigment treatments; cost-effective market positioning.



Product Parameters

Wavelength	1064 nm (532 nm)	Energy Output	180–230 mJ
Pulse Width	10–12 ns	Peak Power	12–25 MW
Energy Stability	≤5% RMS	Cooling Flow	2–3.6 L/min

Note: Unless otherwise stated, parameters are measured at 25±2 °C, rated cooling, standard optical interface conditions; maximum energy typically corresponds to low-frequency mode; peak power is an estimated value.

Customization Service Plans

Standard Version

Delivery time: 2–3 weeks

- Direct supply of stock models
- Fast delivery
- Standard warranty

Customized Version

Delivery time: 4–6 weeks

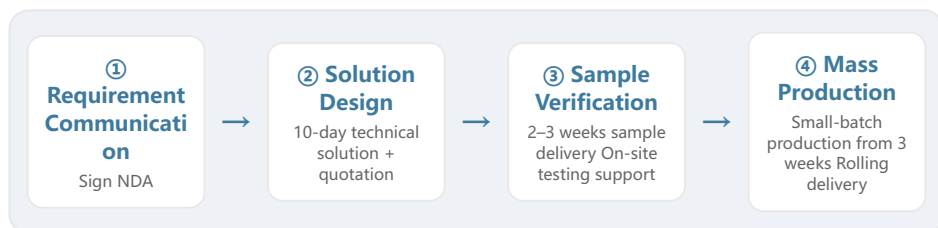
- Parameter fine-tuning
- Appearance customization
- Logo engraving
- Packaging customization

Deep OEM Customization

Delivery time: 8–12 weeks

- Complete solution design
- Exclusive technology licensing
- End-to-end customization
- Production line support

Cooperation Process



After-Sales Support System

Warranty

1 year or 1 million shots
Whichever comes first.

Response

Emergency failures Response
within 4 hours

Spare Parts

Mainland China Dispatched
within 24–48 hours

Support

Technical support 7 days/week
Remote diagnosis

Training

Operation training videos
Maintenance guides

Upgrade

Free firmware updates Upgrade
services

Contact Us

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Your Partner in OEM/ODM Laser Handpiece Solutions

Your Partner for Life

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