

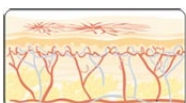
Nd:YAG Laser System **PY1000**

Features and Advantages

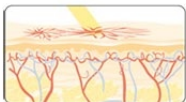
- Full Touch Screen Control
- Reliable Output Power and Stable Laser Beam Pulse Quality
- Quick Response to Changing Mode Selection and Configuration
- Normalization of Function Parameter and Shorter Internal Signal Processing

How does The Nd:YAG laser work?

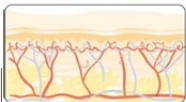
Laser light penetrates the skin, raising the temperature of the blood vessel and safely coagulating it. Treated veins gradually shrink and become less visible or disappear altogether. The laser allows for customized treatment of veins, including some of those that do not respond to other treatment methods.



Before Treatment



During Nd:Yag Laser Treatment



After Treatment



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The Q switch mode

In Q-switch mode, the very short pulses deliver very high peak power (hundreds of Mega W) granting the most efficient photo-acoustic effect, with no thermal interaction with tissues. As a result, the unwanted pigments of the skin are fragmented in small particles that are expelled through the phagocytosis.

The short pulsed additional modules effectively perform treatment of vascular lesions, skin rejuvenation and tightening. The effects are based on the selective thermal damage of the skin targets such as melanin, blood and water. The laser hand piece of the short pulsed modules, can be integrated with either contact or air based skin cooling devices, allowing safe and comfortable treatments.

Therapy Scope & Clinical Case Studies

Ota's Nevus removal



Tattoo removal



Technical Specification

| | |
|-------------------|--|
| Laser Type | Nd:YAG laser |
| Laser Generator | four lamp doubling crystal laser generator |
| Q Switch Type | EO active Q switch technology |
| Wavelength | 1064nm 532nm nm |
| Max Energy Output | 800mJ(1064nm) 500mJ(532nm) |
| Control System | digital micro computer control system |
| Spot Size | 1~5mm adjustable |
| Pulse Width | 7ns |
| Laser Conduct | seven-joints articulated arm |
| Frequency | 1HZ~10HZ |
| Cooling System | water cooling system |
| Body Material | ABS |



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