



Features

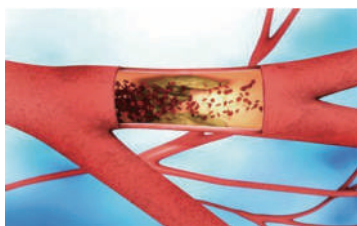
- Modular design with flexible choice for 1064nm, 355nm and fiber coupler
- 10-25 ns pulse width can be efficiently and safely coupled into the fiber
- EMC safety standard design for laser head and power supply
- Original from standard Nimma series, excellent stability and performance

Ideal Modular Design For Laser Vascular Intervention Therapy(LVI)

The 355nm wavelength and photon energy of 3.5 eV yields a threefold higher affinity for lesion tissue than for vessel endothelium. This means that the 355nm laser can cause photomechanical ablation in lesions while practically avoiding photochemical dissociation. Beamtech Nimma-LVI with three kinds of OEM functional laser modules ,(1064nm fundamental laser, 355nm UV harmonic generator and fiber coupler) provides you optional optimized choices to guarantee your OEM LVI medical system performance.

Applications

- Peripheral artery disease (PAD)
- Laser coronary angioplasty (LCA)



Specifications

Models	Nimma-LVI
Repetition rate	1-40Hz
Pulse energy	$\geq 400\text{mJ}@1064\text{nm}$, $\geq 100\text{mJ}@355\text{nm}$
Beam diameter	$\sim 10\text{mm}$
Divergence	$\leq 1\text{mrad}$
Pulse width	10-25ns
Energy stability (RMS)	$\leq 2\%$
Electrical service	220-50/60Hz-10A
Cooling consumption	$\geq 800\text{W}$ (10°C temperature difference compared to environment)
Fiber coupler	Customized fiber interface design
Control interface	RS232 / TTL trigger

Dimensions

