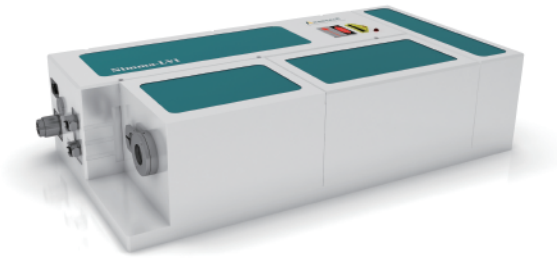
Nimma-LVI series Laser



Ideal Modular Design For Laser Vascular Intervention Therapy(LVI)

The 355nm wavelength and photon energy of 3.5 eV yields a three-fold higher affinity for lesion tissue than for vessel endothe-lium. 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 mod-ules ,(1064nm fundamental laser, 355nm UV harmonic generator and fiber coupler) provides you optional optimized choices to guara-ntee your OEM LVI medical system performance.

Features

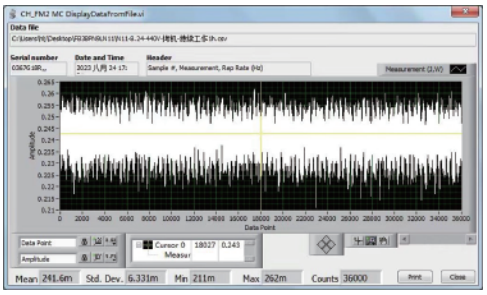
- Modular design with flexible choice for 1064nm, 355nm and fiber coupler
- 10-25 ns pulse width can be efficiently and safely coupled into the fiber
- EMC safety standard design for laser head and power supply
- Original from standard Nimma series, excellent stability and performance

- Automatic energy optimization

  Peak :harmonic auto-tuning, automatically adjust the crystal to the optimum without manual operation

  Trace: harmonic auto-stabilization. Automatically adjust the crystal, offset the outside interference, and keep the energy at the optimal output.

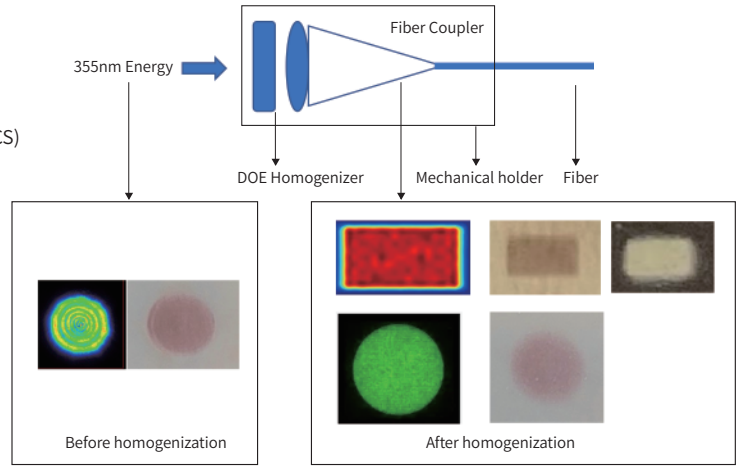
- High energy stability



- Comply with NMPA requirements for EMC and safety regulations

  Electrostatic discharge immunity(ESD)
  Power Port Conduction Disturbance (CE)
  Radiation disturbance(RE)
  Radiofrequency Electromagnetic Field ConductedDisturbance Immunity (CS)
  Radiofrequency Electromagnetic Field Radiation Immunity Test(RS)
  Electrical Rapid Pulse Group Test (EF'T)
  Surge Immunity Test (Surge)
  Power Frequency Magnetic Field Immunity Test (PFMF)
  Voltage Variation and Flicker Test (Flicker)
  Harmonic Current Testing (Harmonics)
  Voltage Dip and Short Interruption Test (Dip)

- Fiber coupler solution



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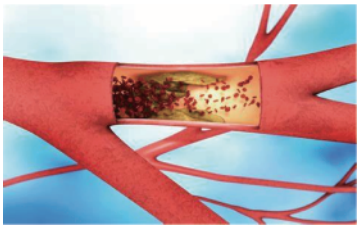
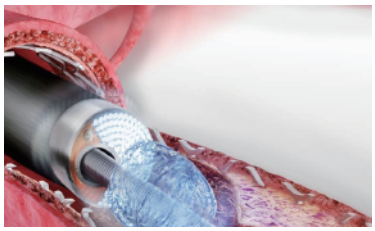
CE

Applications

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

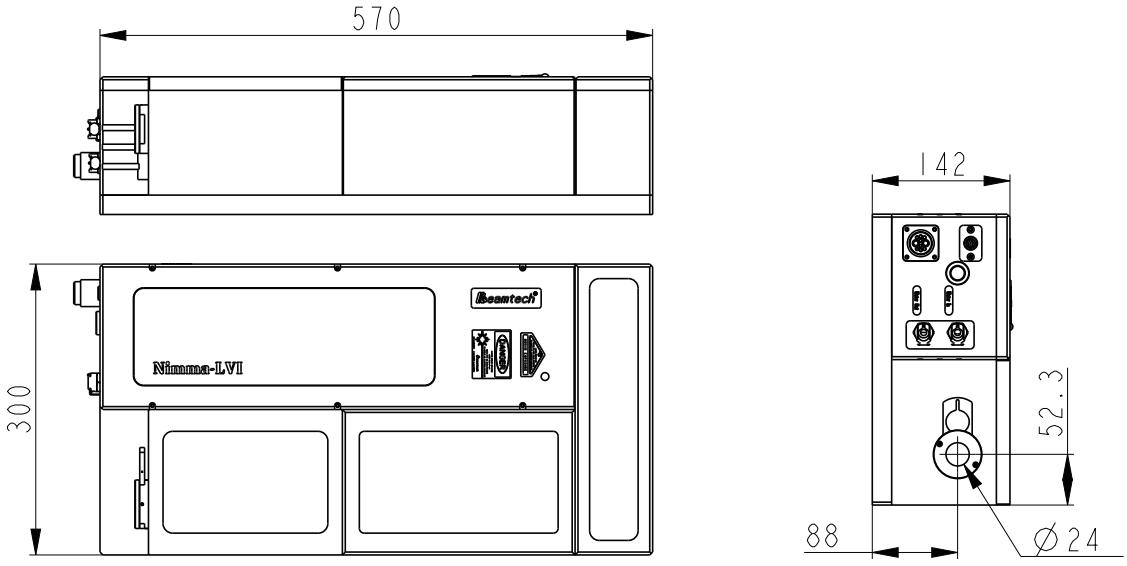




Specifications

Models	Nimma-LVI
Repetition rate	1-40Hz
Pulse energy	≥400mJ@1064nm, ≥100mJ@355nm
Beam diameter	~10mm
Divergence	≤1mrad
Pulse width	10-25ns
Energy stability (RMS)	≤2%
Electrical service	220-50/60Hz-10A
Cooling consumption	≥800W（10℃ temperature difference compared to invironment）
Fiber coupler	Customized fiber interface design
Control interface	RS232 / TTL trigger

Dimensions



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