



355nm Laser - DPSS Lasers

VENUS UV

Laser Solutions for
Fine Machining Application

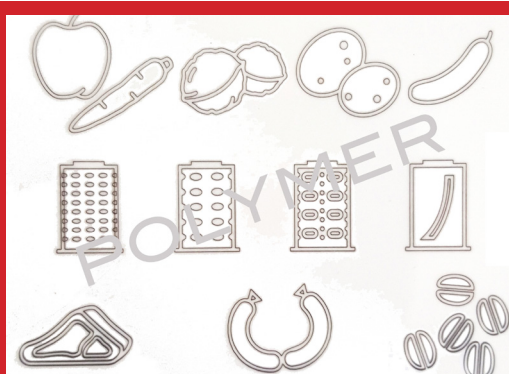
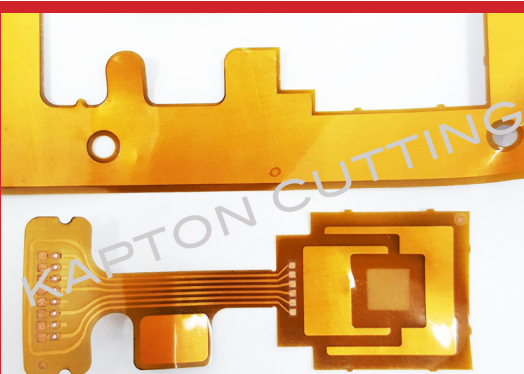


Features

- High peak power and short pulses for reduced thermal damage
- Compact modular design
- Very High Resolution
- $M^2 < 1.2$ TEM 00

Applications

- Fine material processing
- Kapton cutting
- Solar cell scribing
- Wafer dicing
- Wire stripping
- LED scribing
- Glass and plastic marking



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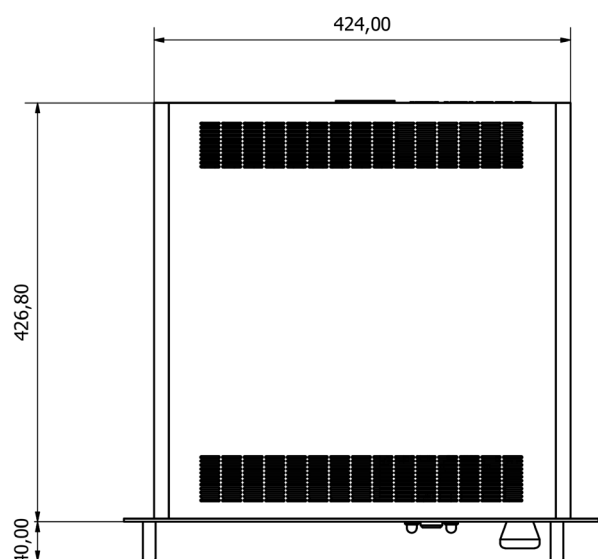
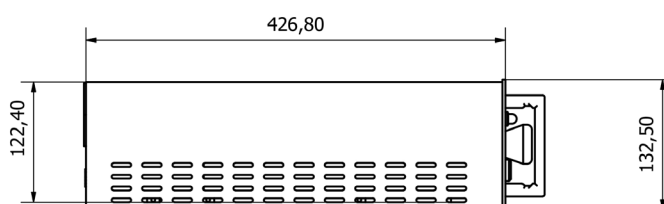
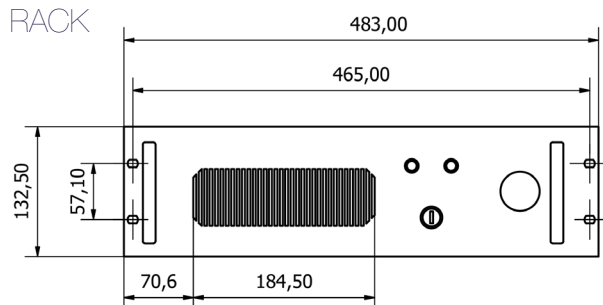
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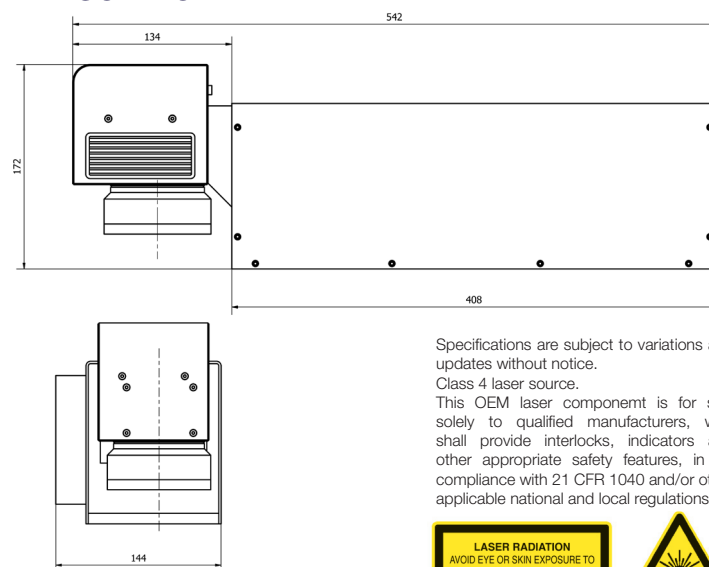
Operational mode		Q-switched DPSSL
Wavelength	[nm]	355
Output Nominal Power	[W]	3W@40KHz @ beam expander output
Beam quality	[M ²]	<1.2 TEM 00
Frequency range	[kHz]	20 - 200 in Q-Switch
Pulse width	[ns]	<10nsec.@ 40KHz
Power Supply	[Vac; Hz]	90-240 ; 50/60
Power consumption	[W]	<700W
Cooling system		Air
Communication (**)		RS232
Focal lens		160mm. (110x110mm.) or 254mm. (170x170mm.)

*Different Beam Diameter available upon request **Ethernet available upon request

RACK



RESONATOR



Specifications are subject to variations and updates without notice.
Class 4 laser source.
This OEM laser component is for sale solely to qualified manufacturers, who shall provide interlocks, indicators and other appropriate safety features, in full compliance with 21 CFR 1040 and/or other applicable national and local regulations.



VENUS UV Layout



GAP Laser Systems s.r.l.
A Certified and ISO 9001:2008 Company

GAP LASER SYSTEMS
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