The NVQ-Series is a compact, powerful, versatile diode pumped solid state 355 nm UV laser designed specifically for the needs of industrial applications. The design allows for low cost of operation and high reliability, resulting in the highest value in the UV-laser market. The series is ideally suited for sample preparation, medical devices manufacturing and micromachining specifications. The lasers include a power supply with laser diode, a fiber coupled laser unit and an optional water chiller. The complete system is driven by the power supply or can be set up for external control. The unit's compact size and flexible configuration is ideal for the widest range of UV laser applications.

Benefits:
- High Beam Quality
- Robust Industrial Design
- Compact Size
- High Reliability
- Ease of Use and Operation
- Low Cost of Operation

Typical Applications:
- Laser Micro-machining
- UV Marking
- PCB via drilling
- 3D Stereo Lithography
- Sample Preparation
- Laser Induced Plasma Spectroscopy
- Matrix Assisted Laser Desorption Ionization

Basic Specifications:

<table>
<thead>
<tr>
<th>Model Number</th>
<th>NVQ-10-355</th>
<th>NVQ-30-355</th>
<th>NVQ-50-355</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>1.0 W</td>
<td>3.0 W</td>
<td>5.0 W</td>
</tr>
<tr>
<td>Wavelength (nm)</td>
<td>355</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repetition Rate (kHz)</td>
<td>1-100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average Pulse Power</td>
<td>1.3 or 5 W@30kHz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pulse Width</td>
<td>13ns +/- 7ns@30kHz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beam Mode</td>
<td>TEM00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beam Roundness</td>
<td>&gt;= 85%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Stability</td>
<td>&lt;= 2%@rms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polarization</td>
<td>Horizontal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Supply</td>
<td>220V/50Hz or 110V/60Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Method</td>
<td>Water Cooled</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Drawings and Dimensions

<table>
<thead>
<tr>
<th>Laser Unit</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Depth (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser Unit</td>
<td>170</td>
<td>107</td>
<td>252</td>
</tr>
<tr>
<td>Power Supply</td>
<td>482</td>
<td>177</td>
<td>450</td>
</tr>
</tbody>
</table>

Accessories

NUVon Laser may also provide additional accessories such as water chillers, high speed galvanometers and control systems to support your application needs. Please feel free to contact us and discuss your application.

Contact: sales@NUVonlaser.com

North America
+1-503-758-6491
1982 25th Ave Suite 5
Hillsboro, OR
97124
USA

Europe
+43 699 10265903
Adolf-Meidl Weg 4
Corinthia
9600
Austria