The Quanta System Litho 100 Holmium laser emits at a wavelength of 2100nm at frequencies up to 80Hz which is critical for effective stone dusting.

**MasterPULSE**

This is an intuitive feature that assists in modifying tissue cutting. Instead of trying multiple settings, it starts with preferred settings then provides 7 levels of pulse width to finely tune the effect of laser emission based on visual feedback.

**Vapor Tunnel**

This unique mode using a long pulse width generates an elongated bubble and vapor pathway between the fiber tip and stone. This elongated bubble has a much smaller contact area with the stone, limiting retropulsion.

- MasterPULSE fine tuning
- Vapor Tunnel effect
- Dusting Modes:
  - High Hertz
  - Pulse Width
- Dual footswitch
- Green aiming beam
The Excalibur holmium laser fiber with Safety Sheath, provides a recess from the fiber tip to the stone. The advantages of the Safety Sheath are:

- Reduces retropulsion: Recessed fiber tip maintains a distance to the stone to optimize Vapor Tunnel effect
- Scope-friendly:
  - Fiber tip will not touch the scope’s working channel, reducing scope damage
  - Passes easily through a flexed scope multiple times, eliminating the need to back out the scope for fiber insertion
- Durable: Eliminates fiber tip degradation and potential for total failure
- Ease Of Use: Provides the ability to safely touch and manipulate the stone
- Ruler: Engraved 1mm graduations along the sheath provide an effective stone measurement tool

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**Laser Options and Specifications**

<table>
<thead>
<tr>
<th>Laser</th>
<th>Power Needed</th>
<th>Pulse Energy</th>
<th>Vapor Tunnel</th>
<th>Dusting High Hertz Variation</th>
<th>Dusting Pulse Width Variation</th>
<th>Green Aiming Beam</th>
<th>Dual Foot Switch</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Litho 35W</td>
<td>110V</td>
<td>0.1 - 5J</td>
<td>X</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
<td>X</td>
<td>190 lbs</td>
</tr>
<tr>
<td>Litho 60W</td>
<td>220V</td>
<td>0.2 - 5J</td>
<td>✓</td>
<td>Yes-60Hz max</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>440 lbs</td>
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<tr>
<td>Litho 100W</td>
<td>220V</td>
<td>0.2 - 5J</td>
<td>✓</td>
<td>Yes-80Hz max</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>506 lbs</td>
</tr>
</tbody>
</table>

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