

## Revelation Cordless 445/520 Dual System



Laser Innovations (UK) Limited,

Broadway House, 149-151 St Neots Road, Hardwick, Cambridgeshire CB23 9QL

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The **Revelation Cordless Dual wavelength** portable forensic laser from Laser Innovations Ltd is the latest compact laser in the Revelation family of products. With DNA cross contamination in mind this system is ultra-lightweight (1.5 kg) and easy to clean with 10% bleach solution. This laser provides 7 Watts Blue at 445nm and 7 Watts Green at 520nm.

The system includes an integrated touch screen for wavelength selection and power level selection. Like all the Revelation lasers the beam diffuser produces a square beam shape with uniform power intensity across the beam a feature liked by forensic practitioners for grid type searching.



### **Specifications**

|                  |   |
|------------------|---|
| Wavelength       | 445nm and 520nm (Selectable)  |
| Beam Quality     | Uniform speckle free illumination   |
| Output Power     | 7W @ 445 nm; 7W @ 520 nm  |
| Bandwidth        | Less than 0.5 nm  |
| Control          | Touch screen programming to control output power 1W – 7W<br>Automatic wavelength detection dependent on which detector is connected<br>'Dead man finger' (Press for output / release no output)<br>Override function to switch off dead man finger via touch screen control |
| Interlock        | Safety interlock included (DB9 / D-sub connector)   |
| Safety Standards | Compiles with EN61010-1/IEC 61010-1 and EN60825-1 / IEC60825-1  |

### **Power requirements' for battery charging**

|               |               |
|---------------|---------------|
| Mains Voltage | 90-240V AC    |
| Frequency     | 50 Hz / 60 Hz |

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Power Consumption 84W Maximum; 60W Typical

### **Battery**

|                  |   |
|------------------|---|
| Input Voltage    | 12.6 VDC  |
| Battery Lifetime | Approx 3 Hours typical use @ 445nm per battery<br>Approx 1.5 hours typical use @520nm per battery |
| Lifetime         | >2,000-3,000 hours  |

### **Operating Conditions**

|                           |                               |
|---------------------------|-------------------------------|
| Ambient temperature Range | 5-40°C                        |
| Humidity                  | 8-85%, non-condensing         |
| Dimensions                | 11cm (L) x 6cm (W) x 30cm (H) |
| Weight                    | 1.5Kg                         |

### **Kit Includes**

- Ruggedised shock proof, water proof, carrying case
- Laser rated thin film plastic safety goggles x 2 (Yellow and Orange)
- Camera Filters (Yellow and Orange) with 62mm or 67mm Attachment
- 3 x rechargeable lithium Ion batteries
- 1 x mains battery charger
- 1 x mains adaptor for direct use from 240Vac power supply

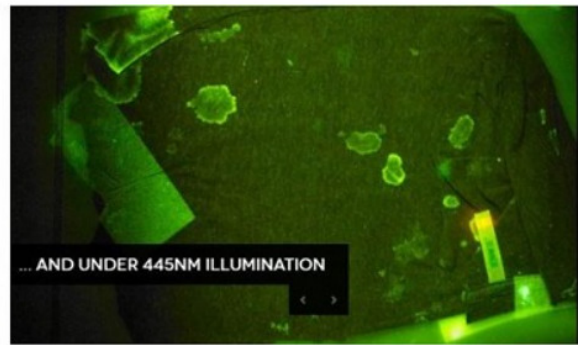
### **Applications**

- Latent fingerprints
- Naturally fluorescent fingerprints
- Body fluids
- GSR
- Bone fragments
- Hair Fibres
- Bruises

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