The best just got better.

Demi™ Plus, powered by Demetron™ Technology, is the next generation in premium curing lights. It combines sophisticated engineering with innovative design advancements that enhance performance and deliver consistent cures while allowing you to focus on what's truly important—your practice.
Demi Plus Technology

**True 5-second cure**
- Consistent output of Periodic Level Shifting (PLS) delivers a true 5-second cure for composites shades A3 and lighter.

**Improved cooling system**
- Fan-free for quiet operation and improved cooling system that allows the unit to continue to feel cool to the touch for the clinician, and comfortable for the patient.

**Advanced battery technology**
- The lithium-ion battery technology can yield 300 10-second cures with a single charge.

**Lightweight, ergonomic design**
- Multiple holding options can reduce hand and arm stress.

**Advanced Features**
A Kerr curing light system powered by Demetron Technology.

**PLS Technology**
Demi Plus employs the power of Periodic Level Shifting (PLS), shifting output intensity from 1,100 mW/cm² to a peak of 1,330 mW/cm² multiple times throughout the curing cycle with a wavelength of 450 nm to 470 nm. PLS drives cool, continuous high output for a true 5-second cure without generating excess heat.

**Durability**
The exterior of Demi Plus is comprised of Valox, a high-performance thermoplastic polyester resin that has been tested in the consumer world and offers multiple advantages. Derived from 85% post-consumer plastic waste, the lightweight yet highly durable material is chemically resistant, impact resistant, and withstands temperature extremes. The sophisticated engineering of the Valox resin exterior provides protection for your unit, giving you confidence in your procedures for years to come.

**Advanced Battery Design**
The positive contact charger guarantees a snug fit between the contacts on the handpiece and the charger base, and fully coated contacts prevent corrosion over time—ensuring a proper charge with every procedure.

**Longer Warranty**
Our three-year warranty ensures you get the most value out of your premium investment.

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**Depth of Cure & Rockwell Hardness**

<table>
<thead>
<tr>
<th>Product</th>
<th>Rockwell 10 Seconds Top</th>
<th>Rockwell 10 Seconds Bottom</th>
<th>Rockwell 5 Seconds Top</th>
<th>Rockwell 5 Seconds Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harmonize A2E</td>
<td>79.6</td>
<td>72.8</td>
<td>82.0</td>
<td>70.6</td>
</tr>
<tr>
<td>Harmonize C4E</td>
<td>78.0</td>
<td>63.5</td>
<td>82.0</td>
<td>75.4</td>
</tr>
<tr>
<td>Herculite Ultra A2E</td>
<td>78.8</td>
<td>72.7</td>
<td>80.2</td>
<td>70.5</td>
</tr>
<tr>
<td>Herculite Ultra C4E</td>
<td>75.5</td>
<td>49.6</td>
<td>79.1</td>
<td>70.8</td>
</tr>
<tr>
<td>Simile A2E</td>
<td>83.6</td>
<td>79.0</td>
<td>83.4</td>
<td>81.0</td>
</tr>
<tr>
<td>Herculite Ultra Flow A2</td>
<td>69.9</td>
<td>66.4</td>
<td>71.6</td>
<td>70.8</td>
</tr>
<tr>
<td>Herculite Ultra Flow A4</td>
<td>69.7</td>
<td>60.4</td>
<td>72.1</td>
<td>69.7</td>
</tr>
</tbody>
</table>

*24-hour testing conducted by Kerr R&D. Data available upon request.

**Pulsing Power of PLS**

<table>
<thead>
<tr>
<th>Product</th>
<th>Demi with PLS 5-Second Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harmonize</td>
<td>97.5%</td>
</tr>
<tr>
<td>Herculite Ultra</td>
<td>97.5%</td>
</tr>
<tr>
<td>Filtek Supreme Ultrabody</td>
<td>87.2%</td>
</tr>
</tbody>
</table>

*Following Manufacture recommended curing condition.

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**Bulk Fill Products**

<table>
<thead>
<tr>
<th>Product</th>
<th>Depth of Cure (mm) Top Bottom</th>
<th>95.6%</th>
<th>99.6%</th>
<th>97.9%</th>
<th>98.7%</th>
<th>99.7%</th>
<th>98.2%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simile One Bulk Fill A3</td>
<td>5mm</td>
<td>5mm</td>
<td>97.5%</td>
<td>97.9%</td>
<td>98.7%</td>
<td>99.7%</td>
<td>98.2%</td>
</tr>
<tr>
<td>Tetric Evoceram Bulk Fill A3</td>
<td>4mm</td>
<td>4mm</td>
<td>97.5%</td>
<td>97.9%</td>
<td>98.7%</td>
<td>99.7%</td>
<td>98.2%</td>
</tr>
<tr>
<td>Filtek Supreme Bulk Fill A3</td>
<td>4mm</td>
<td>4mm</td>
<td>97.5%</td>
<td>97.9%</td>
<td>98.7%</td>
<td>99.7%</td>
<td>98.2%</td>
</tr>
<tr>
<td>Simile A2E</td>
<td>4.13</td>
<td>4.77</td>
<td>83.6</td>
<td>79.0</td>
<td>83.4</td>
<td>81.0</td>
<td></td>
</tr>
</tbody>
</table>

*Following Manufacture recommended curing condition.
Demetron Light Guide

921676 | 4 mm | Curved Turbo
For preventing overlapping on the gingiva in Class V.

21020 | 8 mm | Curved Turbo
Increases efficiency of light output and reduces overall curing time.

921551 | 11 mm | Curved Turbo
Increases efficiency of light output and reduces overall curing time.

952213 | 8 mm | Curved Turbo+
Increases efficiency of light output and reduces overall curing time.

921746 | 8 mm | Extended Turbo+
Extended length improves access to the posterior.

921918-1 | Demi Plus Battery Pack
921919-1 | Demi Plus Battery Charger
921920-1 | Demi Plus Handpiece Replacement
952269 | Demi and Demi Plus Power Supply
910726 | L.E.D. Radiometer

Light guides are compatible with most Demetron Light Curing Systems, including Demi, LED II, and OptiLux 501.

Ordering Information