



## Demi™ Plus

LED Light Curing System

### 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 composite 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.

Depth of Cure & Rockwell Hardness

	Depth of Cure (mm)		Rockwell Hardness			
	5 Seconds	10 Seconds	5 Seconds		10 Seconds	
			Top	Bottom	Top	Bottom
Harmonize A2E	4.08	5.07	79.6	72.8	82.0	79.6
Harmonize C4E	3.50	4.12	78.0	63.5	82.0	75.4
Herculite Ultra A2E	4.81	5.74	78.8	72.7	80.2	79.5
Herculite Ultra C4E	3.13	3.67	75.5	49.6	79.1	70.8
Simile A2E	4.13	4.77	83.6	79.0	83.4	81.0
Herculite Ultra Flow A2	4.26	4.88	69.9	66.4	71.6	70.8
Herculite Ultra Flow A4	2.98	3.42	69.7	60.4	72.1	69.7

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

Bulk Fill Products\*

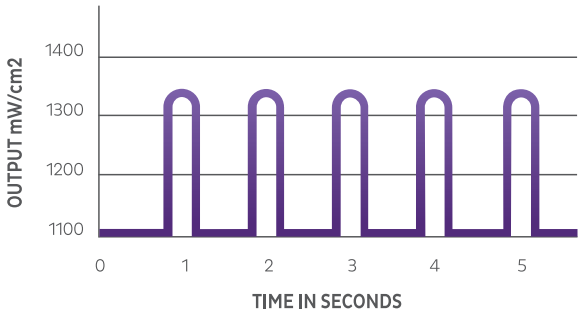
Products	SonicFill A3	Filtek One Bulk Fill A3	Tetric Evocream Bulk Fill IVA	SDR Flow + U	GrandioSo X-tra A3	Estelite Bulk Fill Flow A3
Depth of Cure	5mm	5mm	4mm	4mm	4mm	4mm
Bottom /Top	95.6%	99.6%	97.9%	98.7%	99.7%	98.2%

\*Following Manufacture recommended curing condition.

Pulsing Power of PLS

	Harmonize	Herculite Ultra	Filtek Supreme Ultra Body
Rockwell 10 seconds	79.57	79.53	87.28
	Tetric Evoceram	TPH ST=Ceram X	TPH LV
Rockwell 10 seconds	76.22	80.58	80.72

Demi with PLS 5-Second Exposure



Source: Nova Southeastern University. Data available upon request.

Advanced Features

A Kerr curing light system powered by Demetron Technology.

**Extended Light Guide + 28% longer reach**

The 8 mm Extended Turbo Light Guide enables improved access for posterior procedures.

**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 and 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.

## 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.

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

## Ordering Information

<b>910860-1</b>	Demi Plus LED Light Curing System (120 V) Contains: Handpiece, 8 mm Turbo Extended Light Guide, Lithium Ion Battery Pack, Battery Charger, Power Supply, Protective Light Shield.
<b>921918-1</b>	Demi Plus Battery Pack
<b>921919-1</b>	Demi Plus Battery Charger
<b>921920-1</b>	Demi Plus Handpiece Replacement
<b>952269</b>	Demi and Demi Plus Power Supply
<b>910726</b>	L.E.D. Radiometer

