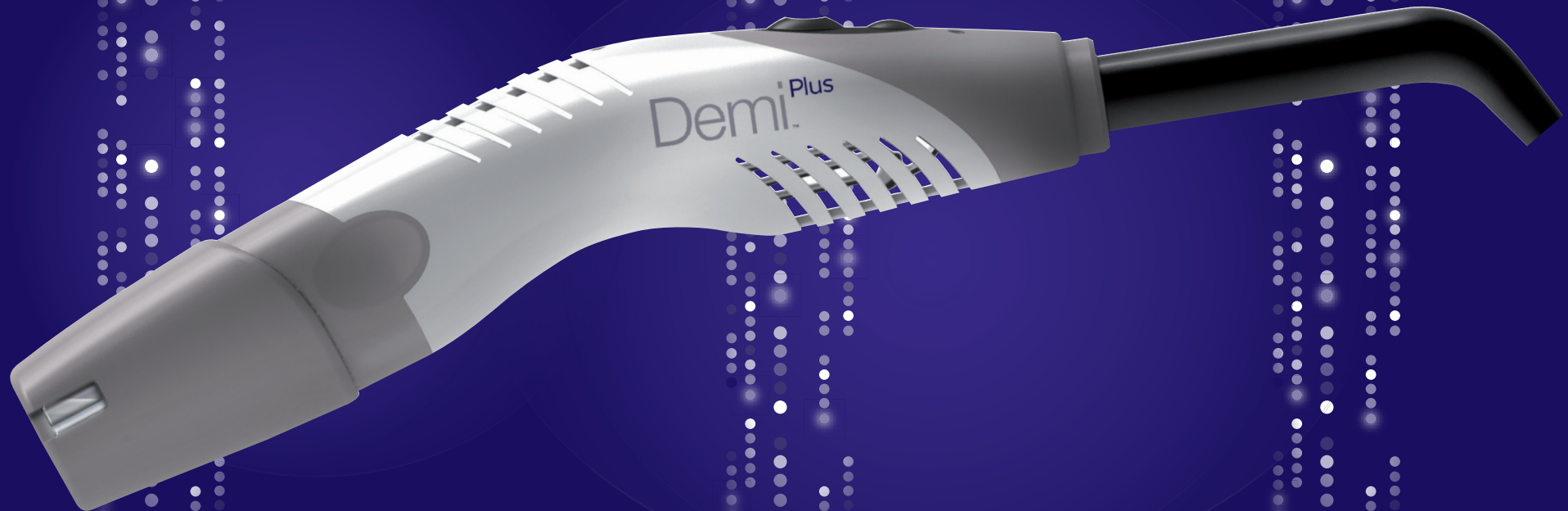


Your practice is *our* inspiration.™

**Demi<sup>Plus</sup>** | A Kerr light curing system powered by Demetron Technology





## 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.

## Features

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

**Never shuts down.** Whisper-quiet fan and unique thermal control system keeps the unit cool for uninterrupted operation. Extends the overall life of the unit.

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

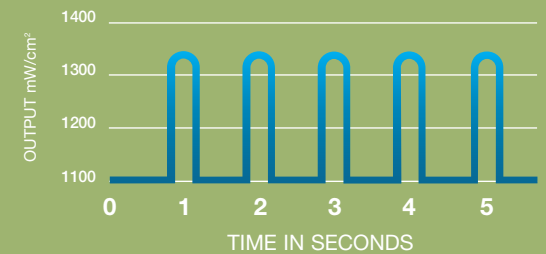
**Lightweight, ergonomic design.** Multiple holding options reduce hand and arm stress.

*Inspired by:*

*Kerr has been at the forefront of light curing technology going all the way back to their Demetron roots. This technology has a true five-second cure time for composites shades A3 and lighter.*

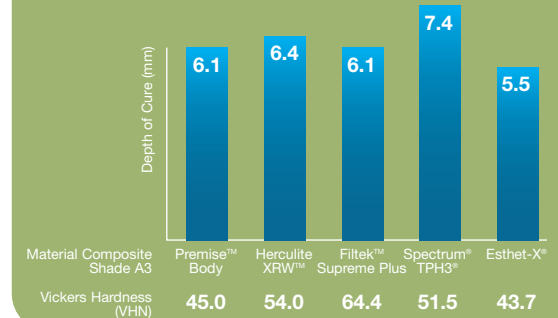
- Dr. Michael DiTolla

### Pulsing Power of PLS



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

### Demi Plus with PLS 5-Second Exposure



Source: Nova Southeastern University. Data available upon request.

	Depth of Cure (mm)*		Rockwell Hardness			
	5 Seconds	10 Seconds	5 Seconds		10 Seconds	
			Top	Bottom	Top	Bottom
Premise™ A3	4.22	4.91	78.4	77.3	79.7	78.8
Premise™ C4	3.10	3.57	74.7	70.3	78.3	75.7
Revolution® A3	4.11	4.81	63.3	56.4	65.6	65.7
Revolution® C4	3.23	3.83	54.4	35.0	65.6	62.1
Premise™ Flowable A3	3.79	4.58	70.8	67.1	72.1	71.8
Herculite™ Ultra A3	3.86	4.33	80.8	80.8	80.3	81.2
Herculite™ Ultra C4	2.25	2.85	77.8	80.3	79.0	79.7

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

\*Composite should preferably be placed in 2mm increments.

# mi

## Exterior: Valox Plastic

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 unmatched protection for your unit, giving you confidence in your procedures for years to come.

## Interior: PLS Technology

Demi Plus employs the power of Periodic Level Shifting, or PLS technology, shifting output intensity from 1100 mW/cm<sup>2</sup> to a peak of 1330 mW/cm<sup>2</sup> 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.



### NEW

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

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

### NEW

#### Enhanced Body Design

The exterior is made from Valox resin, a high-performance plastic that will protect and extend the life of your unit.

### NEW

#### 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.

### NEW

#### Longer Warranty

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

# Ordering

## 910860-2 Demi Plus LED Light Curing System

Contains: Handpiece, 8 mm Turbo Extended Light Guide, Lithium Ion Battery Pack, Battery Charger, Power Supply, Protective Light Shield.

## 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

## 21042 Optics Maintenance Kit for Light Guides

After numerous autoclave cycles, brown discoloration may accumulate on polished ends of the light guide. Avoid by polishing ends every 50 cycles. Do not use to remove composite.

## Light Guides

921676 4 mm Curved Turbo (4 mm x 77 mm)

21020 8 mm Curved Turbo

952213 8 mm Curved Turbo+ (8 mm x 75 mm)

921746 8 mm Curved Turbo Extended (8 mm x 96 mm)

921551 11 mm Curved Turbo

20812 13 mm Curved (13 mm x 84 mm)



Optics Maintenance Kit

L.E.D. Radiometer



# Demetron Light Guides



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.



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.



921551  
11 mm  
Curved Turbo

Increases efficiency of light output and reduces overall curing time.



20812  
13 mm  
Curved

For treating entire occlusal surface of molars.

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